

Experiment Number: 96014 - 06

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS
ABRIDGED) (a)**

Date Report Requested: 01/12/2012

Test Type: CHRONIC

Water disinfection byproducts (Bromodichloroacetic acid)

Time Report Requested: 13:25:53

Route: DOSED WATER

CAS Number: 71133-14-7

First Dose M/F: 09/26/06 / 09/25/06

Species/Strain: MICE/B6C3F1

Lab: BAT

F1_M3

NTP Study Number: C96014B
Lock Date: 09/09/2009
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.6.0.0_007
PWG Approval Date: NONE

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Water disinfection byproducts (Bromodichloroacetic acid)

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First Dose M/F: 09/26/06 / 09/25/06

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|------------------|--------|----------|----------|-----------|
|------------------|--------|----------|----------|-----------|

Disposition Summary

| | | | | |
|---|-----------|-----------|-----------|-----------|
| Animals Initially In Study | 66 | 66 | 66 | 66 |
| Scheduled Sacrifice | 16 | 16 | 16 | 15 |
| Early Deaths | | | | |
| Moribund Sacrifice | 15 | 14 | 27 | 27 |
| Natural Death | 10 | 15 | 10 | 14 |
| Survivors | | | | |
| Terminal Sacrifice | 25 | 21 | 12 | 10 |
| Missing | | | 1 | |
| Animals Examined Microscopically | 50 | 50 | 49 | 51 |

ALIMENTARY SYSTEM

| | | | | |
|--|----------|----------|----------|----------|
| Esophagus | (50) | (50) | (49) | (51) |
| Gallbladder | (48) | (49) | (48) | (47) |
| Intestine Large, Cecum | (50) | (50) | (49) | (51) |
| Carcinoma | 1 (2%) | | | |
| Intestine Large, Colon | (50) | (50) | (49) | (51) |
| Intestine Large, Rectum | (50) | (50) | (49) | (51) |
| Serosa, Hemangiosarcoma, Metastatic, Liver | | 1 (2%) | | |
| Intestine Small, Duodenum | (50) | (50) | (49) | (51) |
| Adenoma | 1 (2%) | | 1 (2%) | |
| Carcinoma | 1 (2%) | 1 (2%) | | |
| Intestine Small, Ileum | (50) | (50) | (49) | (51) |
| Intestine Small, Jejunum | (50) | (50) | (49) | (51) |
| Carcinoma | 1 (2%) | 3 (6%) | | 2 (4%) |
| Liver | (50) | (50) | (49) | (51) |
| Cholangiocarcinoma | | | | 1 (2%) |
| Hemangioma | | | 1 (2%) | |
| Hemangiosarcoma | 1 (2%) | 4 (8%) | 2 (4%) | 4 (8%) |
| Hemangiosarcoma, Metastatic, Spleen | 1 (2%) | | 1 (2%) | |
| Hepatoblastoma | 3 (6%) | 18 (36%) | 28 (57%) | 22 (43%) |
| Hepatoblastoma, Multiple | 1 (2%) | 6 (12%) | 12 (24%) | 12 (24%) |
| Hepatocellular Adenoma | 11 (22%) | 12 (24%) | 15 (31%) | 17 (33%) |
| Hepatocellular Adenoma, Multiple | 28 (56%) | 29 (58%) | 27 (55%) | 23 (45%) |

a - Number of animals examined microscopically at site and number of animals with lesion

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Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|---|---------|----------|----------|-----------|
| Hepatocellular Carcinoma | 8 (16%) | 10 (20%) | 17 (35%) | 22 (43%) |
| Hepatocellular Carcinoma, Multiple | 4 (8%) | 12 (24%) | 10 (20%) | 17 (33%) |
| Hepatocholangiocarcinoma | | | 2 (4%) | 2 (4%) |
| Schwannoma Malignant, Metastatic, Heart | | 1 (2%) | | |
| Mesentery | (7) | (1) | (3) | (6) |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | 1 (17%) |
| Fibrous Histiocytoma | | | | 1 (17%) |
| Hepatoblastoma, Metastatic, Liver | | | 1 (33%) | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | 1 (33%) | |
| Lipoma | 1 (14%) | | | |
| Pancreas | (50) | (50) | (49) | (51) |
| Sarcoma | | | 1 (2%) | |
| Salivary Glands | (50) | (50) | (49) | (51) |
| Stomach, Forestomach | (50) | (50) | (49) | (51) |
| Squamous Cell Papilloma | | 1 (2%) | | 1 (2%) |
| Stomach, Glandular | (50) | (50) | (49) | (51) |
| Tooth | (35) | (22) | (13) | (0) |

CARDIOVASCULAR SYSTEM

| | | | | |
|---|------|--------|--------|------|
| Blood Vessel | (50) | (50) | (49) | (51) |
| Heart | (50) | (50) | (49) | (51) |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | 2 (4%) | |
| Schwannoma Malignant | | 1 (2%) | | |
| Pericardium, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | 1 (2%) | |

ENDOCRINE SYSTEM

| | | | | |
|----------------------|--------|------|--------|------|
| Adrenal Cortex | (50) | (50) | (49) | (50) |
| Subcapsular, Adenoma | 2 (4%) | | 1 (2%) | |
| Adrenal Medulla | (50) | (50) | (49) | (50) |
| Islets, Pancreatic | (50) | (50) | (49) | (51) |
| Parathyroid Gland | (44) | (45) | (44) | (44) |

a - Number of animals examined microscopically at site and number of animals with lesion

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Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|--------------------------|--------|----------|----------|-----------|
| Pituitary Gland | (50) | (49) | (49) | (51) |
| Thyroid Gland | (50) | (50) | (49) | (51) |
| Follicular Cell, Adenoma | 1 (2%) | | 1 (2%) | |

GENERAL BODY SYSTEM

| | | | | |
|------------|-----|-----|-----|-----|
| Peritoneum | (0) | (0) | (0) | (1) |
|------------|-----|-----|-----|-----|

GENITAL SYSTEM

| | | | | |
|---|--------|------|------|--------|
| Epididymis | (50) | (50) | (49) | (51) |
| Fibrous Histiocytoma, Metastatic, Mesentery | | | | 1 (2%) |
| Penis | (0) | (1) | (0) | (0) |
| Preputial Gland | (50) | (50) | (49) | (51) |
| Prostate | (50) | (50) | (49) | (51) |
| Seminal Vesicle | (50) | (50) | (49) | (51) |
| Fibrous Histiocytoma, Metastatic, Mesentery | | | | 1 (2%) |
| Testes | (50) | (50) | (49) | (51) |
| Interstitial Cell, Adenoma | 1 (2%) | | | |

HEMATOPOIETIC SYSTEM

| | | | | |
|--|--------|--------|---------|---------|
| Bone Marrow | (50) | (50) | (49) | (51) |
| Hemangiosarcoma | | | | 1 (2%) |
| Hemangiosarcoma, Metastatic, Liver | | 1 (2%) | | |
| Hemangiosarcoma, Metastatic, Spleen | 1 (2%) | | 2 (4%) | |
| Lymph Node | (0) | (1) | (2) | (5) |
| Mediastinal, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | 1 (50%) | |
| Pancreatic, Carcinoma, Metastatic, Uncertain Primary Site | | | | 1 (20%) |
| Pancreatic, Hepatoblastoma, Metastatic, Liver | | | | 1 (20%) |
| Pancreatic, Hepatocellular Carcinoma, Metastatic, Liver | | | | 1 (20%) |
| Lymph Node, Mandibular | (50) | (50) | (49) | (51) |

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Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|---|--------|----------|----------|-----------|
| Lymph Node, Mesenteric | (50) | (48) | (48) | (48) |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | 1 (2%) |
| Hepatoblastoma, Metastatic, Liver | | 1 (2%) | | |
| Spleen | (50) | (50) | (49) | (50) |
| Hemangiosarcoma | 2 (4%) | | 2 (4%) | |
| Thymus | (45) | (45) | (45) | (44) |
| Fibrous Histiocytoma, Metastatic, Mesentery | | | | 1 (2%) |
| Osteosarcoma, Metastatic, Bone | | 1 (2%) | | |
| Schwannoma Malignant, Metastatic, Heart | | 1 (2%) | | |
| Thymoma Benign | | 1 (2%) | | |

INTEGUMENTARY SYSTEM

| | | | | |
|---|--------|--------|------|--------|
| Mammary Gland | (5) | (3) | (4) | (7) |
| Skin | (50) | (50) | (49) | (51) |
| Fibrous Histiocytoma | 1 (2%) | 1 (2%) | | 1 (2%) |
| Fibrous Histiocytoma, Metastatic, Mesentery | | | | 1 (2%) |
| Hemangiosarcoma | 1 (2%) | 1 (2%) | | |
| Hemangiosarcoma, Metastatic, Spleen | 1 (2%) | | | |
| Lipoma | 1 (2%) | | | |
| Squamous Cell Papilloma | | 1 (2%) | | 1 (2%) |

MUSCULOSKELETAL SYSTEM

| | | | | |
|--|------|---------|---------|---------|
| Bone | (50) | (50) | (49) | (51) |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | 1 (2%) | |
| Osteoma | | | 1 (2%) | |
| Osteosarcoma | | 1 (2%) | | |
| Skeletal Muscle | (0) | (2) | (2) | (2) |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | 1 (50%) | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | 1 (50%) |
| Hepatoblastoma | | | | 1 (50%) |
| Hepatoblastoma, Metastatic, Liver | | 1 (50%) | | 1 (50%) |

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Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|---|--------|----------|----------|-----------|
| Hepatocholangiocarcinoma, Metastatic, Liver | | | 1 (50%) | |
| Osteosarcoma, Metastatic, Bone | | 1 (50%) | | |

NERVOUS SYSTEM

| | | | | |
|----------------------|--------|------|------|------|
| Brain | (50) | (50) | (49) | (51) |
| Meningioma Malignant | 1 (2%) | | | |
| Peripheral Nerve | (2) | (1) | (0) | (0) |
| Spinal Cord | (2) | (1) | (0) | (0) |

RESPIRATORY SYSTEM

| | | | | |
|---|----------|----------|----------|----------|
| Lung | (50) | (50) | (49) | (51) |
| Alveolar/Bronchiolar Adenoma | 11 (22%) | 14 (28%) | 8 (16%) | 2 (4%) |
| Alveolar/Bronchiolar Adenoma, Multiple | 2 (4%) | | 1 (2%) | |
| Alveolar/Bronchiolar Carcinoma | 7 (14%) | 10 (20%) | 4 (8%) | 2 (4%) |
| Alveolar/Bronchiolar Carcinoma, Multiple | | 1 (2%) | 1 (2%) | |
| Hepatoblastoma, Metastatic, Liver | | 3 (6%) | 12 (24%) | 5 (10%) |
| Hepatocellular Carcinoma, Metastatic, Liver | 8 (16%) | 11 (22%) | 5 (10%) | 15 (29%) |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | 1 (2%) | |
| Osteosarcoma, Metastatic, Bone | | 1 (2%) | | |
| Schwannoma Malignant, Metastatic, Heart | | 1 (2%) | | |
| Nose | (50) | (50) | (49) | (51) |
| Glands, Olfactory Epithelium, Adenoma | | 1 (2%) | | |
| Trachea | (50) | (50) | (49) | (51) |

SPECIAL SENSES SYSTEM

| | | | | |
|--------------------------|---------|----------|----------|----------|
| Eye | (50) | (50) | (49) | (51) |
| Iris, Melanoma Malignant | 1 (2%) | | | |
| Harderian Gland | (50) | (50) | (49) | (51) |
| Adenoma | 6 (12%) | 11 (22%) | 14 (29%) | 19 (37%) |
| Carcinoma | | | | 3 (6%) |

a - Number of animals examined microscopically at site and number of animals with lesion

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Lab: BAT

| B6C3F1 MICE MALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|---|----------|----------|----------|-----------|
| URINARY SYSTEM | | | | |
| Kidney | (50) | (50) | (49) | (51) |
| Adenoma | 2 (4%) | 2 (4%) | | 2 (4%) |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | 1 (2%) | | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | 1 (2%) |
| Ureter | (1) | (0) | (0) | (0) |
| Urethra | (1) | (0) | (0) | (0) |
| Hemangiosarcoma | 1 (100%) | | | |
| Urinary Bladder | (50) | (50) | (49) | (51) |

SYSTEMIC LESIONS

| | | | | |
|------------------------|--------|--------|--------|--------|
| Multiple Organ | *(50) | *(50) | *(49) | *(51) |
| Histiocytic Sarcoma | 1 (2%) | 1 (2%) | 1 (2%) | 1 (2%) |
| Leukemia Lymphocytic | | | 1 (2%) | |
| Lymphoma Malignant | | | 1 (2%) | 1 (2%) |
| Mesothelioma Malignant | 1 (2%) | | | 3 (6%) |

a - Number of animals examined microscopically at site and number of animals with lesion

* Number of animals with any tissue examined microscopically

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Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|------------------|--------|----------|----------|-----------|
|------------------|--------|----------|----------|-----------|

Tumor Summary for Males

| | | | | |
|--|-----|-----|-----|-----|
| Total Animals with Primary Neoplasms (b) | 48 | 50 | 49 | 51 |
| Total Primary Neoplasms | 103 | 142 | 152 | 161 |
| Total Animals with Benign Neoplasms | 43 | 44 | 46 | 44 |
| Total Benign Neoplasms | 67 | 72 | 70 | 65 |
| Total Animals with Malignant Neoplasms | 30 | 42 | 49 | 47 |
| Total Malignant Neoplasms | 36 | 70 | 82 | 96 |
| Total Animals with Metastatic Neoplasms | 10 | 17 | 20 | 21 |
| Total Metastatic Neoplasms | 12 | 25 | 30 | 38 |
| Total Animals with Malignant Neoplasms Uncertain Primary Site | 1 | | | 1 |
| Total Animals with Neoplasms Uncertain- Benign or Malignant | | | | |
| Total Uncertain Neoplasms | | | | |

*** END OF MALE ***

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

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Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE FEMALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|--------------------|--------|----------|----------|-----------|
|--------------------|--------|----------|----------|-----------|

Disposition Summary

| | | | | |
|----------------------------------|----|----|----|----|
| Animals Initially In Study | 66 | 66 | 66 | 66 |
| Scheduled Sacrifice | 16 | 16 | 16 | 16 |
| Early Deaths | | | | |
| Moribund Sacrifice | 9 | 9 | 8 | 11 |
| Natural Death | 11 | 8 | 13 | 12 |
| Survivors | | | | |
| Natural Death | | | | 1 |
| Terminal Sacrifice | 30 | 33 | 29 | 26 |
| Animals Examined Microscopically | 50 | 50 | 50 | 50 |

ALIMENTARY SYSTEM

| | | | | |
|---|--------|--------|--------|---------|
| Esophagus | (50) | (50) | (47) | (48) |
| Sarcoma | | | | 1 (2%) |
| Gallbladder | (47) | (48) | (50) | (44) |
| Leiomyosarcoma, Metastatic, Mesentery | | 1 (2%) | | |
| Intestine Large, Cecum | (50) | (50) | (50) | (50) |
| Hemangiosarcoma | | | 1 (2%) | |
| Intestine Large, Colon | (50) | (50) | (50) | (50) |
| Fibrous Histiocytoma, Metastatic, Skin | 1 (2%) | | | |
| Intestine Large, Rectum | (49) | (50) | (50) | (50) |
| Intestine Small, Duodenum | (49) | (50) | (50) | (49) |
| Adenoma | | | 1 (2%) | |
| Leiomyosarcoma | | 1 (2%) | | |
| Intestine Small, Ileum | (50) | (50) | (50) | (49) |
| Carcinoma | | 1 (2%) | | |
| Leiomyosarcoma, Metastatic, Urinary Bladder | | | 1 (2%) | |
| Intestine Small, Jejunum | (50) | (50) | (50) | (50) |
| Leiomyosarcoma | | 1 (2%) | | |
| Liver | (49) | (50) | (49) | (50) |
| Hemangiosarcoma | 2 (4%) | 4 (8%) | 4 (8%) | 8 (16%) |
| Hemangiosarcoma, Metastatic, Skin | | | 1 (2%) | |
| Hemangiosarcoma, Metastatic, Spleen | | 1 (2%) | | |
| Hepatoblastoma | | 1 (2%) | 3 (6%) | 4 (8%) |

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|---|----------|----------|----------|-----------|
| Hepatoblastoma, Multiple | | | 1 (2%) | 2 (4%) |
| Hepatocellular Adenoma | 8 (16%) | 4 (8%) | 5 (10%) | 7 (14%) |
| Hepatocellular Adenoma, Multiple | 25 (51%) | 38 (76%) | 37 (76%) | 37 (74%) |
| Hepatocellular Carcinoma | 9 (18%) | 12 (24%) | 16 (33%) | 13 (26%) |
| Hepatocellular Carcinoma, Multiple | | 5 (10%) | 6 (12%) | 13 (26%) |
| Hepatocholangiocarcinoma | | | | 1 (2%) |
| Sarcoma, Metastatic, Uncertain Primary Site | | | 1 (2%) | |
| Mesentery | (10) | (13) | (13) | (10) |
| Fibrosarcoma, Metastatic, Skin | | | 1 (8%) | |
| Fibrous Histiocytoma | | 1 (8%) | 1 (8%) | |
| Hemangiosarcoma | 1 (10%) | | | |
| Leiomyosarcoma | | 1 (8%) | | |
| Leiomyosarcoma, Metastatic, Urinary Bladder | | | 1 (8%) | |
| Oral Mucosa | (2) | (2) | (0) | (0) |
| Pancreas | (49) | (50) | (50) | (48) |
| Cystadenoma | | 1 (2%) | | |
| Leiomyosarcoma | | 1 (2%) | | |
| Salivary Glands | (48) | (49) | (44) | (45) |
| Stomach, Forestomach | (50) | (50) | (50) | (50) |
| Hemangiosarcoma | | | | 1 (2%) |
| Squamous Cell Papilloma | 1 (2%) | | | 2 (4%) |
| Stomach, Glandular | (50) | (50) | (50) | (50) |
| Tongue | (0) | (0) | (0) | (1) |
| Squamous Cell Carcinoma | | | | 1 (100%) |
| Tooth | (0) | (2) | (0) | (1) |

CARDIOVASCULAR SYSTEM

| | | | | |
|--------------|------|------|------|------|
| Blood Vessel | (50) | (50) | (48) | (49) |
| Heart | (50) | (50) | (48) | (48) |

ENDOCRINE SYSTEM

| | | | | |
|----------------|------|--------|------|------|
| Adrenal Cortex | (49) | (50) | (47) | (49) |
| Leiomyosarcoma | | 1 (2%) | | |

a - Number of animals examined microscopically at site and number of animals with lesion

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Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE FEMALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|--------------------------|--------|----------|----------|-----------|
| Subcapsular, Adenoma | | 1 (2%) | | |
| Adrenal Medulla | (50) | (50) | (48) | (49) |
| Leiomyosarcoma | | 1 (2%) | | |
| Pheochromocytoma Benign | | | 1 (2%) | |
| Islets, Pancreatic | (49) | (50) | (50) | (48) |
| Parathyroid Gland | (45) | (46) | (41) | (38) |
| Pituitary Gland | (49) | (49) | (46) | (48) |
| Pars Distalis, Adenoma | 2 (4%) | 1 (2%) | 3 (7%) | |
| Thyroid Gland | (49) | (50) | (46) | (45) |
| C-cell, Carcinoma | | | | 1 (2%) |
| Follicular Cell, Adenoma | | 1 (2%) | | |

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

| | | | | |
|--------------------------------|--------|--------|--------|--------|
| Clitoral Gland | (47) | (50) | (50) | (48) |
| Carcinoma | | | | 1 (2%) |
| Ovary | (50) | (50) | (50) | (50) |
| Cystadenoma | 1 (2%) | 3 (6%) | 2 (4%) | 2 (4%) |
| Granulosa Cell Tumor Benign | | | 1 (2%) | |
| Granulosa Cell Tumor Malignant | | | | 1 (2%) |
| Hemangiosarcoma | | 1 (2%) | 2 (4%) | |
| Uterus | (50) | (50) | (50) | (50) |
| Hemangiosarcoma | 1 (2%) | | 2 (4%) | |
| Polyp Stromal | 4 (8%) | 3 (6%) | 1 (2%) | 1 (2%) |
| Sarcoma Stromal | | | 1 (2%) | |
| Vagina | (0) | (0) | (0) | (1) |

HEMATOPOIETIC SYSTEM

| | | | | |
|-------------|------|------|------|------|
| Bone Marrow | (50) | (50) | (50) | (50) |
|-------------|------|------|------|------|

a - Number of animals examined microscopically at site and number of animals with lesion

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Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE FEMALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|--|--------|----------|----------|-----------|
| Hemangiosarcoma | | | 1 (2%) | |
| Hemangiosarcoma, Metastatic, Liver | 1 (2%) | | | |
| Lymph Node | (2) | (3) | (3) | (5) |
| Axillary, Schwannoma Malignant, Metastatic, Skin | | | | 1 (20%) |
| Lumbar, Plasma Cell Tumor Malignant | | | 1 (33%) | |
| Lumbar, Schwannoma Malignant, Metastatic, Skin | | | | 1 (20%) |
| Renal, Plasma Cell Tumor Malignant | | | 1 (33%) | |
| Lymph Node, Mandibular | (48) | (49) | (44) | (45) |
| Plasma Cell Tumor Malignant | | | 1 (2%) | |
| Lymph Node, Mesenteric | (48) | (50) | (47) | (47) |
| Plasma Cell Tumor Malignant | | | 1 (2%) | |
| Spleen | (49) | (50) | (50) | (48) |
| Hemangiosarcoma | | 2 (4%) | 1 (2%) | |
| Hemangiosarcoma, Metastatic, Skin | | | 1 (2%) | |
| Plasma Cell Tumor Malignant | | | 1 (2%) | |
| Thymus | (50) | (50) | (46) | (46) |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | 1 (2%) | | |
| Plasma Cell Tumor Malignant | | | 1 (2%) | |
| Schwannoma Malignant, Metastatic, Skin | 1 (2%) | | | |
| Thymoma Malignant | | | | 1 (2%) |

INTEGUMENTARY SYSTEM

| | | | | |
|----------------------|--------|--------|--------|--------|
| Mammary Gland | (50) | (50) | (49) | (50) |
| Carcinoma | 1 (2%) | | | |
| Skin | (50) | (50) | (50) | (50) |
| Basal Cell Carcinoma | | | | 1 (2%) |
| Fibrosarcoma | | | 1 (2%) | |
| Fibrous Histiocytoma | 3 (6%) | 1 (2%) | 2 (4%) | 4 (8%) |
| Hemangioma | | | | 1 (2%) |
| Hemangiosarcoma | 1 (2%) | 1 (2%) | 1 (2%) | |
| Osteosarcoma | | 1 (2%) | | |
| Sarcoma | 1 (2%) | | 1 (2%) | |

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Water disinfection byproducts (Bromodichloroacetic acid)

Time Report Requested: 13:25:53

Route: DOSED WATER

CAS Number: 71133-14-7

First Dose M/F: 09/26/06 / 09/25/06

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE FEMALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|-------------------------|--------|----------|----------|-----------|
| Schwannoma Malignant | 3 (6%) | | 1 (2%) | 5 (10%) |
| Squamous Cell Carcinoma | | | | 1 (2%) |

MUSCULOSKELETAL SYSTEM

| | | | | |
|---|----------|---------|---------|--------|
| Bone | (50) | (50) | (50) | (50) |
| Hemangiosarcoma, Metastatic, Spleen | | | 1 (2%) | |
| Osteoma | 1 (2%) | | | 1 (2%) |
| Osteosarcoma | | 1 (2%) | | |
| Skeletal Muscle | (1) | (2) | (2) | (1) |
| Fibrosarcoma, Metastatic, Skin | | | 1 (50%) | |
| Fibrous Histiocytoma, Metastatic, Mesentery | | 1 (50%) | | |
| Hemangiosarcoma | 1 (100%) | | | |
| Leiomyosarcoma | | 1 (50%) | | |
| Sarcoma | | | 1 (50%) | |

NERVOUS SYSTEM

| | | | | |
|-------|------|------|------|------|
| Brain | (49) | (50) | (47) | (49) |
|-------|------|------|------|------|

RESPIRATORY SYSTEM

| | | | | |
|---|--------|---------|--------|---------|
| Lung | (50) | (50) | (48) | (48) |
| Alveolar/Bronchiolar Adenoma | 3 (6%) | 2 (4%) | 1 (2%) | 2 (4%) |
| Alveolar/Bronchiolar Carcinoma | 2 (4%) | 2 (4%) | 1 (2%) | 5 (10%) |
| Alveolar/Bronchiolar Carcinoma, Multiple | | 1 (2%) | | |
| Fibrous Histiocytoma, Metastatic, Skin | | | | 1 (2%) |
| Hemangiosarcoma, Metastatic, Liver | 1 (2%) | | | |
| Hepatoblastoma, Metastatic, Liver | | | 2 (4%) | |
| Hepatocellular Carcinoma, Metastatic, Liver | 1 (2%) | 6 (12%) | 4 (8%) | 7 (15%) |
| Schwannoma Malignant, Metastatic, Skin | 1 (2%) | | | 1 (2%) |
| Nose | (50) | (50) | (50) | (50) |
| Trachea | (50) | (50) | (46) | (46) |

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Water disinfection byproducts (Bromodichloroacetic acid)

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Route: DOSED WATER

CAS Number: 71133-14-7

First Dose M/F: 09/26/06 / 09/25/06

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE FEMALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|--|---------|----------|----------|-----------|
| SPECIAL SENSES SYSTEM | | | | |
| Eye | (48) | (50) | (46) | (46) |
| Harderian Gland | (48) | (50) | (46) | (46) |
| Adenoma | 5 (10%) | 4 (8%) | 6 (13%) | 5 (11%) |
| Carcinoma | | 1 (2%) | 1 (2%) | 1 (2%) |
| URINARY SYSTEM | | | | |
| Kidney | (50) | (50) | (50) | (49) |
| Urinary Bladder | (50) | (50) | (50) | (50) |
| Fibrous Histiocytoma, Metastatic, Skin | 1 (2%) | | | |
| Leiomyosarcoma | | | 1 (2%) | |
| SYSTEMIC LESIONS | | | | |
| Multiple Organ | *(50) | *(50) | *(50) | *(50) |
| Histiocytic Sarcoma | 2 (4%) | 3 (6%) | 1 (2%) | 3 (6%) |
| Lymphoma Malignant | 6 (12%) | 3 (6%) | 6 (12%) | 10 (20%) |

a - Number of animals examined microscopically at site and number of animals with lesion

* Number of animals with any tissue examined microscopically

Test Type: CHRONIC

Water disinfection byproducts (Bromodichloroacetic acid)

Time Report Requested: 13:25:53

Route: DOSED WATER

CAS Number: 71133-14-7

First Dose M/F: 09/26/06 / 09/25/06

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE FEMALE | 0 mg/L | 250 mg/L | 500 mg/L | 1000 mg/L |
|--------------------|--------|----------|----------|-----------|
|--------------------|--------|----------|----------|-----------|

Tumor Summary for Females

| | | | | |
|--|----|-----|-----|-----|
| Total Animals with Primary Neoplasms (b) | 45 | 47 | 46 | 49 |
| Total Primary Neoplasms | 83 | 106 | 120 | 136 |
| Total Animals with Benign Neoplasms | 36 | 43 | 43 | 44 |
| Total Benign Neoplasms | 50 | 58 | 58 | 58 |
| Total Animals with Malignant Neoplasms | 31 | 33 | 38 | 45 |
| Total Malignant Neoplasms | 33 | 48 | 62 | 78 |
| Total Animals with Metastatic Neoplasms | 4 | 10 | 10 | 8 |
| Total Metastatic Neoplasms | 7 | 10 | 14 | 11 |
| Total Animals with Malignant Neoplasms Uncertain Primary Site | | | 1 | |
| Total Animals with Neoplasms Uncertain- Benign or Malignant | | | | |
| Total Uncertain Neoplasms | | | | |

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors