

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

C Number:	C55221B
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	02/27/1990

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 458

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: HEPATOCLR ADEN	TGLs = 1-1+11		
Note: CLEAR CL FOCUS	TGLs = 1-1+11+12		
Lung	Alveolar Epith	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 496 HISTO: 871082
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Bone Marrow	Femoral	Hemangiosarcoma	Metastatic (Skin)
	Humerus	Hemangiosarcoma	Metastatic (Skin)
	Tibia	Hemangiosarcoma	Metastatic (Skin)
	Maxilla	Myelofibrosis	Minimal
Heart		Hemangiosarcoma	Metastatic (Skin)
Kidney		Mineralization	Minimal
Note: [MINERALIZATION] TGLs = 2-1			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 4-4			
Pancreas			
Note: TGL#4:MASS,NOTED AT NECROPSY,IS FOCUS OF NECROTIC			
Note: & INFLAMMED MESENTERIC FAT HISTOMORPHOLOGICALLY.			
Skin	Subcut Tiss	Hemangiosarcoma	
Note: [HEMANGIOSARC] TGLs = 3-11			
Spleen		Hemangiosarcoma	Metastatic (Skin)
		Hematopoietic Cell Proliferation	Marked
Note: [HEMANGIOSARC] TGLs = 1-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 496

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871082

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Cyst

PRIMARY CAUSE OF DEATH

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Animal Note: CAUSE OF DEATH: CUTANEOUS HEMANGIOSARCOMA

Animal Note: WITH MULTIPLE METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 645 HISTO: 871083
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Islets, Pancreatic	Hyperplasia	Mild
Liver	Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 4-1+2+13		
Lung	Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 3-11		
Lymph Node		
Note: TO ENGORGEMENT WITH BLOOD.		
Note: TGL#5-NCL:MESENTERIC LYMPH NODES CONSIDERED TO BE WNL		
Note: HISTOMORPHOLOGICALLY.RED COLOR,NOTED AT NECROPSY,DUE		
Preputial Gland	Atrophy	Marked
	Dilatation	Moderate
	Inflammation	Chronic Active, Moderate
[Dilatation TGLS = 1-12]		
Spleen	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 7-1		

PRIMARY CAUSE OF DEATH

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Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA (MULTIPLE)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 645

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871083

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: WITH PULMONARY METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 165
	DOSE: 0 PPM	DISP: Scheduled Sacrifice	HISTO: 871084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871085
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Adenoma Hypertrophy Mineralization Nephropathy	Mild Minimal Chronic, Mild
Kidney		Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma	
Liver			

Note: HEPATOCLR ADEN TGLs = 1-11
 Note: CLEAR CL FOCUS TGLs = 2-1+2+12

Lung		Alveolar/Bronchiolar Carcinoma	
Lymph Node			

Note: ALV BRON CARC TGLs = 3-2
 Note: HISTOMORPHOLOGICALLY.
 Note: TGL#4-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871086
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Tooth	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Cyst	
		Mineralization	Mild
	Artery	Necrosis	Fibrinoid, Mild
		Necrosis	Coagulative, Marked
		Nephropathy	Chronic, Minimal
Note: NECROSIS TGLs = 2,8-12+15			
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3,4-1+13			
Note: HEPATOCLR ADEN TGLs = 6,7-1+14			
Lung		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 5-2			
Nose		Inflammation	Chronic Active, Mild
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 1-11			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871086

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871087
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex Cortex	Accessory Adrenal Cortical Nodule Hypertrophy	Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney		Mineralization Nephropathy	Minimal Chronic, Minimal
Liver		Basophilic Focus Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Mild
Note: HEPATOCLR ADEN TGLs = 2,3,4-1+2+11+12			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 5-13			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Stomach			
Note: HISTOMORPHOLOGICALLY.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871087

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#6-NCL:NODULE,NOTED AT TRIM, NOT APPARENT

Tooth

Dentine, Incisor

Dysplasia

Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 871088
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
[Dilatation TGLS = 2-11]			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871089
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland	Thymus	
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OBSERVATIONS

Epididymis Note: GRANLOMA SPERM TGLs = 3-6		Granuloma Sperm	Marked
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver Note: CLEAR CL FOCUS TGLs = 6-2 Note: HEPATOCLR ADEN TGLs = 5,7-1+11		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland	Duct	Atrophy	Moderate
		Dilatation	Moderate
		Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 1-12			
Sem Ves Note: ENGORGEMENT WITH SECRETION. Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL Note: HISTOMORPHOLOGICALLY. ENLARGEMENT DUE TO			
Spleen		Hyperplasia	Lymphoid, Moderate

* PROTOCOL REQUIRED TISSUE

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Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871089
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA Tooth	TGLs = 4-1 Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Marked Moderate
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Pituitary Gland	Seminal Vesicle	Skin	Stomach - Forestomach
Testes	Trachea		

MISSING

Mammary Gland

OBSERVATIONS

Brain		Lymphoma Malignant Undifferentiated Cell Type	
Epididymis		Lymphoma Malignant Undifferentiated Cell Type	
Heart		Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Undifferentiated Cell Type	
Note: HEPATOCLR ADEN TGLs = 3-1			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Inguinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-11			
Prostate		Lymphoma Malignant Undifferentiated Cell Type	
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
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Species/Strain: Mouse/B6C3F1

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Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871090
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: LYMPH MAL UNDF TGLs = 2-1		Lymphoma Malignant Undifferentiated Cell Type	
Stomach	Glandular	Lymphoma Malignant Undifferentiated Cell Type	
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Moderate
	Dentine, Incisor	Necrosis	Moderate
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 641

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lung		Leukocytosis	
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Moderate
Note: DILATATION	TGLs = 1-11		
Stomach	Glandular	Erosion	Mild
Note: [EROSION]	TGLs = 3-4+12		
Thymus		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 2-7		
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: INVOLVING THYMUS.

Animal Note: CAUSE OF DEATH: MARKED, CHRONIC-ACTIVE INFLAMMATION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 871092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Adrenal Gland - Medulla	Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal G1			
Note: ONLY 1 ADRENAL GLD AVAILABLE FOR HISTOMORPHOLOGIC EXAMINATION.			
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Minimal
Note: HEPATOCLR CARC TGLs = 2-11			
Note: HEPATOCLR ADEN TGLs = 3-11			
Parathyroid Gland		Cyst	
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-12			
Tooth	Dentine, Incisor	Dysplasia	Mild
	Dentine, Incisor	Necrosis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871092

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 4-5		
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Mild
		Necrosis	Coagulative, Minimal
Note: HEPATOCLR ADEN	TGLs = 2,3,5-1+11		
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 6-2		
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Marked
Note: DILATATION	TGLs = 1-12		
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871093

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 459 HISTO: 871094
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Vacuolization Cytoplasmic	Moderate
Preputial Gland	Duct	Dilatation	Marked

Note: DILATATION TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Moderate
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Minimal
Note: EOSIN FOCUS TGLs = 6-11			
Note: HEPATOCLER ADEN TGLs = 3,4,5,7,8-1+11			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-12			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871095

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3,4,5-1+11			
Preputial Gland		Atrophy	Mild
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#6-NCL:TAN FOCUS,NOTED AT TRIM,NOT APPARENT			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:17
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 17	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 871097
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus		
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OBSERVATIONS

Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: DILATATION	TGLs = 1-11		
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Nose	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Pituitary Gland	
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OBSERVATIONS

Adrenal Gland	Bilateral, Capsule, Cortex	Adenoma	
Bone	Intervertebral Disc	Degeneration	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
Note: CLEAR CL FOCUS TGLs = 2-1+2			
Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Atrophy	Moderate
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#3-NCL:TAN FOCUS ,NOTED AT TRIM,NOT APPARENT			
Sem Ves			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 165

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Spleen
Thymus

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 662

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-11			
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-12			
Sem Ves			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,3,4,5,6-12+13			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-11			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 626

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Salivary Glands
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Mineralization	Minimal
Liver			
Note: TGL#6-NCL:NODULE, NOTED AT TRIM,NOT APPARENT			
Note: HISTOMORPHOLOGICALLY.			
Lung		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 3-12			
Note: ALV BRON CARC TGLs = 7-2			
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 2-4			
Pancreas			
Note: & INFLAMMED MESENTERIC FAT HISTOMORPHOLOGICALLY.			
Note: TGL#"2:MASS,NOTED AT NECROPSY,IS FOCUS OF NECROTIC			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 1-11			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 626

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871102

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Ameloblast, Incisor

Atrophy

Moderate

Dentine, Incisor

Dysplasia

Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:ALV BRON CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Pituitary Gland	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Intestine Large - Rectum	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Harderian Gland		Adenoma	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Inflammation	Chronic Active, Mild
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC	TGLs = 2,3-14+15		
Note: HEPATOCLR ADEN	TGLs = 1-2		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 4,5,7-11+12+13		
Prostate		Inflammation	Chronic Active, Marked
Skin		Inflammation	Chronic Active, Moderate
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA WITH

Animal Note: INFLAMMATION;PERITONITIS.

Animal Note: MULTIPLE PULMONARY METASTASES;URINARY TRACT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24	TRT#: 1	SEX: Male	DAY ON TEST: 165
	DOSE: 0 PPM	DISP: Scheduled Sacrifice	HISTO: 871104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Tooth	Dentine, Incisor	Dysplasia	Minimal
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Eye		Phthisis Bulbi	
[Phthisis Bulbi TGLS = 1-11]			
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 2-11		
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
		Alveolar/Bronchiolar Carcinoma	
Lung			
Note: ALV BRON CARC	TGLs = 4-2		
Nose	Nasolacrim Dct	Hyperplasia	Squamous, Mild
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
[Dilatation TGLS = 3-12]			
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Preputial Gland	Duct	Atrophy	Moderate
		Dilatation	Marked
		Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 1-11			
Thyroid Gland		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Moderate
Note: [DYSPLASIA] TGLs = 2-12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 459

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Vacuolization Cytoplasmic	Mild
Note: CLEAR CL FOCUS	TGLs = 2,3-1+12+13		
Lung		Alveolar/Bronchiolar Adenoma	
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION	TGLs = 1-11		
Pancreas	Acinus	Atrophy	Moderate
		Inflammation	Chronic Active, Mild
Tooth	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-11			
Note: HEPATOCLR ADEN TGLs = 2-12			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-13			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Epididymis		Granuloma Sperm	Moderate
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
			[Dilatation TGLS = 1-11]
			[Inflammation TGLS = 1-11]
Thyroid Gland		Inflammation	Chronic Active, Minimal
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: CLEAR CL FOCUS	TGLs = 3-1+2+11+12+13		
Note: HEPATOCLR ADEN	TGLs = 4,5-1+2+11+13		
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
Note: DILATATION	TGLs = 1-14		
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871110

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Tooth

Ameloblast, Incisor

Atrophy

Moderate

Dentine, Incisor

Dysplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 591

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
Liver		Lymphoma Malignant Lymphocytic	
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-11			
Note: LYMPH MAL LYMP TGLs = 4-7+11			
Pancreas	Acinus	Inflammation	Chronic Active, Mild
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-6			
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-1			
Thymus		Lymphoma Malignant Lymphocytic	
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:LYMPH MAL LYMPH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy	Marked Mild
Epididymis	Duct	Dilatation	Mild
Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
Preputial Gland	Duct	Atrophy Dilatation	Moderate Moderate
Note: DILATATION TGLs = 2-11			
Sem Ves			
Note: ENGORGEMNET WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thymus		Cyst	
Tooth	Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Marked Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
Note: CLEAR CL FOCUS TGLs = 2-1			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-11			
Stomach	Glandular	Mineralization	Minimal
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: 0 PPM	DISP: Natural Death	HISTO: 871114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-11			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Note: CYST	TGLs = 5-7		
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: CLEAR CL FOCUS	TGLs = 4-12+13		
Note: HEPATOCLR ADEN	TGLs = 2,3,4-1+2+12		
Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Mild
Note: ALV BRON ADEN	TGLs = 1-11		
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,3-1+11			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-12			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37 TRT#: 1 SEX: Male DAY ON TEST: 729
DOSE: 0 PPM DISP: Terminal Sacrifice HISTO: 871117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Moderate
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLER ADEN TGLs = 1-11			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 720

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2,3-11+12			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDWERED TO BE WNL			
Stomach	Glandular	Mineralization	Mild
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Blood Vessel	Mesent Artery	Inflammation	Chronic Active, Moderate
	Mesent Artery	Necrosis	Fibrinoid, Moderate
Note: SEE SLIDE #13.			
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 3,4,5,6,7,8-12+14+15+16+17+18			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Sem Ves			
Note: APPARENT MICROSCOPICALLY.			
Note: HISTOMORPHOLOGICALLY.CYST,NOTED AT NECROPSY,NOT			
Note: TGL#2-NCL:SEMINAL VESICLE CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871119

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40	TRT#: 1	SEX: Male	DAY ON TEST: 571
	DOSE: 0 PPM	DISP: Natural Death	HISTO: 871120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Kidney	Mineralization	Minimal
Liver	Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2,3-1+12		
Note: APPARENT HISTOMORPHOLOGICALLY.		
Note: TGL#1-NCL:FOCUS,NOTED AT NECROPSY,NOT		
Tooth	Dentine, Incisor	Dysplasia
		Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 721 HISTO: 871121
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Tooth
Trachea			

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood		Lymphoma Malignant Lymphocytic	
Epididymis		Lymphoma Malignant Lymphocytic	
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 4-5		
Heart		Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
		Mineralization	Minimal
Liver		Basophilic Focus	
		Hyperplasia	Mild
		Lymphoma Malignant Lymphocytic	
Note: HYPERPLASIA	TGLs = 5-12		
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 3,6-4+7		
Mesentery		Lymphoma Malignant Lymphocytic	
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Pancreas		Lymphoma Malignant Lymphocytic	
Preputial Gland		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 721 HISTO: 871121
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: DILATATION TGLs = 1-11	Duct	Dilatation	Moderate
Prostate		Lymphoma Malignant Lymphocytic	
Skeletal Muscle		Lymphoma Malignant Lymphocytic	
Skin		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-1			
Thymus		Lymphoma Malignant Lymphocytic	
Urinary Bladder		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH -
Animal Note: CAUSE OF DEATH:LYMPH MAL LYMPH.

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 165

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Prostate
Skin
Testes
Urinary Bladder

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Salivary Glands
Spleen
Thymus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy Mineralization Nephropathy Basophilic Focus Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Moderate Mild Minimal Chronic, Mild
Kidney			
Liver			
Note: CLEAR CL FOCUS TGLs = 2-1+12			
Note: HEPATOCLR ADEN TGLs = 2-1+12			
Preputial Gland	Duct	Atrophy Dilatation Inflammation	Moderate Moderate Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-11			
Seminal Vesicle		Inflammation	Chronic Active, Moderate
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 871124
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 2,3,4-1+11+12		
Preputial Gland	Duct	Atrophy	Marked
		Dilatation	Marked
		Inflammation	Chronic Active, Mild
Note: DILATATION	TGLs = 1-13		
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 684

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Tooth	Trachea		

MISSING

Harderian Gland	Intestine Small - Ileum	Mammary Gland
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INSUFFICIENT TISSUE

Urinary Bladder

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Note: NEPHROPATHY	TGLs = 1-1		
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN]	TGLs = 4,7-1+2+11		
Note: HEPATOCLR CARC	TGLs = 3-12		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 5-2		
Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
Preputial Gland		Atrophy	Marked
		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 2-13		
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: WITH MULTIPLE PULMONARY METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 684

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871125

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY:HEPATOCELLULAR CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 3-12			
Note: CLEAR CL FOCUS TGLs = 2-11			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 4-13			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
Note: [HEPATOCLR ADEN] TGLs = 2-11			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03 AND B07A.			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-12			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Nose	Pancreas
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Adenoma Hypertrophy Mineralization Nephropathy Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Mild Minimal Chronic, Mild
Kidney			
Liver			
<p>Note: CLEAR CL FOCUS TGLs = 3-14 Note: HEPATOCLR ADEN TGLs = 4,5,6-11+12+13</p>			
Lymph Node			
<p>Note: MANDIBULAR LYMPH NODE IN B03.</p>			
Preputial Gland	Duct	Atrophy Dilatation	Mild Mild
<p>Note: DILATATION TGLs = 1-15</p>			
Sem Ves			
<p>Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL</p>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871128

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ENGORGEMENT WITH SECRETION.

Tooth

Ameloblast, Incisor
Dentine, Incisor

Atrophy
Dysplasia

Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland			
Note: EXAMINATION.			
Note: ONLY 1 ADRENAL GLD AVAILABLE FOR HISTOMORPHOLOGIC			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,3-1+12			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-11			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Cyst	
		Mineralization	Minimal
Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Necrosis	Coagulative, Marked
<p>Note: HEPATOCLR ADEN TGLs = 2-2+11 Note: HEMANGIOSARC TGLs = 2,3-1+11+12 Sem Ves Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO Note: ENGORGEMENT WITH SECRETION. Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL</p>			
Stomach	Glandular	Inflammation	Chronic Active, Moderate
<p>Note: INFLAMMATION TGLs = 4-13</p>			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871130

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR HEMANGIOSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3,4-1+11			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: DILATATION TGLs = 2-12			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney	Mineralization	Minimal
	Nephropathy	Chronic, Mild
Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-13		
Note: HEPATOCLR ADEN TGLs = 2,3,4-1+11+12		
Lung	Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node		
Note: TGL#5-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE		
Note: WNL HISTOMORPHOLOGICALLY.		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Spleen
Thymus

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Thoracic, Vertebra	Osteosclerosis	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 4,7-2+12		
Note: CLEAR CL FOCUS	TGLs = 3,6-1+11		
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 8-13		
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: WNL HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#S 1&2-NCL:SEMINAL VESICLES CONSIDERED TO BE			
Thymus			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#5-NCL:THYMUS CONSIDERED TO BE WNL			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871134

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Mineralization	Minimal
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 3,4-12+13			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-11			
Note: DILATATION TGLs = 2-11			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: PULMONARY METASTASIS.

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA WITH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Adenoma Hypertrophy Mineralization Nephropathy Clear Cell Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Mild Minimal Chronic, Mild
Kidney			
Liver			
Note: HEPATOCLR CARC TGLs = 3,4-1+12			
Lymph Node			
Note: WNL HISTOMORPHOLOGICALLY.			
Note: TGL#2-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE			
Preputial Gland	Duct	Dilatation Inflammation	Marked Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-11			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 458

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Capsule, Cortex	Hyperplasia	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: EOSIN FOCUS TGLs = 5-13			
Note: HEPATOCLR ADEN TGLs = 2,3,4-1+2+12			
Note: HISTOPATHOLOGICALLY.			
Note: TGL#6-NCL:PALE FOCUS,NOTED AT TRIM,NOT APPARENT			
Mesentery		Inflammation	Necrotizing, Moderate
Note: INFLAMMATION TGLs = 1-11			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 871139
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Ear	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy	Moderate Minimal
Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
Liver		Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Multiple Mild
Note: CLEAR CL FOCUS TGLs = 5,7-1+12 Note: HEPATOCLR ADEN TGLs = 4,6,7-1+2+13			
Lung		Alveolar/Bronchiolar Adenoma Inflammation	Chronic Active, Mild
Note: [INFLAMMATION] TGLs = 2,3-11 Note: ALV BRON ADEN TGLs = 1-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Prostate
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Salivary Glands
Spleen
Thymus

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

MISSING

Mammary Gland

Parathyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 61

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
Epididymis		Aspermia	
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3-1			
Lung	Mediastinum	Mineralization	Mild
Lymph Node			
Note: TO BE WNL HISTOMORPHOLOGICALLY.RED COLOR DUE			
Note: ENGORGEMENT WITH BLOOD.			
Note: TGL#5-NCL:MESENTERIC LYMPH NODE CONSIDERED			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Prostate		Inflammation	Chronic Active, Mild
Seminal Vesicle		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 2-6			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61	TRT#: 1	SEX: Male	DAY ON TEST: 704
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 871141

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach			
Note: STOMACH.			
Note: APPARENT HISTOMORPHOLOGICALLY IN GLANDULAR			
Note: TGL#6-NCL:DARK FOCI, NOTED AT TRIM, NOT			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:GENITAL-URINARY INFECTION.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 62

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	
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OBSERVATIONS

Adrenal Gland	Bilateral, Capsule, Cortex	Adenoma	
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: HEPATOCLR ADEN TGLs = 2,3,4-1+11			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 63

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy	Moderate Mild
Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-1			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 2-11			
Preputial Gland		Atrophy Dilatation	Marked Moderate
Note: DILATATION TGLs = 1-12	Duct		
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 64

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy Mineralization Nephropathy Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Moderate Minimal Minimal Chronic, Mild Multiple Mild
Kidney			
Liver			
Note: HEPATOCLR ADEN TGLs = 3,6-11+12			
Note: CLEAR CL FOCUS TGLs = 4,5-1+11+13			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 7-2			
Preputial Gland	Duct	Atrophy Dilatation	Moderate Marked
Note: DILATATION TGLs = 1-14			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871144

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65	TRT#: 1	SEX: Male	DAY ON TEST: 736
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 871145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Thoracic, Vertebra	Osteosclerosis	Moderate
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN	TGLs = 3,4-1+12		
Note: HEPATOCLR CARC	TGLs = 2-12		
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 5-2		
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: DILATATION	TGLs = 1-11		
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Ameloblast, Incisor	Atrophy	Minimal
	Dentine, Incisor	Dysplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871145

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66	TRT#: 1	SEX: Male	DAY ON TEST: 165
	DOSE: 0 PPM	DISP: Scheduled Sacrifice	HISTO: 871146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	Cornea	Mineralization	Moderate

[Cataract TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 67

TRT#: 1

SEX: Male

DAY ON TEST: 420

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Spleen
Thymus

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Liver Hepatocellular Adenoma
Vacuolization Cytoplasmic

Multiple
Mild

Note: TGL#1-NCL:PALE PIGMENT,NOTED AT NECROPSY,ARE AREAS OF

Note: HEPATOCLR ADEN TGLs = 2-11

Note: AUTOLYSIS HISTOPATHOLOGICALLY.

Tooth Ameloblast, Incisor
Dentine, Incisor

Atrophy
Dysplasia

Moderate
Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:LARGE HEPATOCELLULAR ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 68

TRT#: 1

SEX: Male

DAY ON TEST: 578

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 3-2		
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY. ENLARGEMENT DUE TO			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate
Urinary Bladder		Inflammation	Chronic Active, Mild
Note: INFLAMMATION	TGLs = 1-6		

PRIMARY CAUSE OF DEATH

-

Animal Note: OBSTRUCTION.

Animal Note: CAUSE OF DEATH:URINARY TRACT INFLAMMATION &

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69	TRT#: 1	SEX: Male	DAY ON TEST: 698
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 871149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
Eye	Cornea	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 1-11			
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 2-5			
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Chronic, Moderate
Skin		Inflammation	Chronic Active, Moderate
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: ADENOMA.

Animal Note: CAUSE OF MORBIDITY:EYE LESIONS;HARDERIAN GLD

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:17

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 70

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Inflammation	Chronic Active, Marked
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Note: INFLAMMATION TGLs = 1-1			
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Mild
Note: HEPATOCLR ADEN TGLs = 5,6-12+14			
Note: HEPATOCLR CARC TGLs = 3,4-11+14			
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 2-13			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:17
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 871150

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 71

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: HEPATOCLR CARC TGLs = 2,3,4-11+12+13			
Note: CLEAR CL FOCUS TGLs = 5-14			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-15			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 72

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871152

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#11-NCL:BROWN FOCI,NOTED AT TRIM,NOT APPARENT

Tooth

Ameloblast, Incisor

Atrophy

Moderate

Dentine, Incisor

Dysplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 871153
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3,4-12+13			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Sem Ves			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 74

TRT#: 1

SEX: Male

DAY ON TEST: 458

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Vacuolization Cytoplasmic	Moderate
Note: CLEAR CL FOCUS TGLs = 2,3-1+11			
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-12			
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 736
DOSE: 0 PPM **DISP:** Terminal Sacrifice **HISTO:** 871155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 2-1		
Note: HEPATOCLR ADEN	TGLs = 3,4-2+12		
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN	TGLs = 5-13		
Preputial Gland		Atrophy	Moderate
		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 1-11		
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Moderate
Note: [DYSPLASIA]	TGLs = 6-14		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 76

TRT#: 1

SEX: Male

DAY ON TEST: 696

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Testes	Tooth	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Mineralization	Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 2-1+14		
Note: HEPATOCLR ADEN	TGLs = 5,6-1+13		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 3-2		
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION	TGLs = 4-12		
Skin		Autolysis	Marked
Note: AUTOLYSIS	TGLs = 1-11		
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MULTIPLE PULMONARY METASTASES.

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA WITH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 77

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3,5-2+12			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 4-2			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 78

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN	TGLs = 4-2		
Note: HEPATOCLR CARC	TGLs = 5-1		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 6,7,8-2+12+13		
Spleen		Hematopoietic Cell Proliferation	Moderate
		Histiocytic Sarcoma	
Note: HISTIO SARC	TGLs = 2,3-11		
Note: HEMA CELL PROL	TGLs = 1-11		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79

TRT#: 1

SEX: Male

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Spleen
Thymus

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 3-12		
Note: EOSIN FOCUS	TGLs = 5-14		
Note: CLEAR CL FOCUS	TGLs = 4,5-13+14		
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION	TGLs = 2-11		
Parathyroid Gland		Cyst	
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENNT DUE TO			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO: 871160
ORGAN AND ACCOUNTABLE SITE STATUS			
	Incisor, Lower	Dysplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 81

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Epididymis		Inflammation	Chronic Active, Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-12			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 82

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 4-13			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Marked
Note: ONE FAT NODULE CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Note: INFLAMMATION TGLs = 3-12			
Note: MINERALIZATION TGLs = 3-12			
Preputial Gland		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-11			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 83

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Tooth

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Hypertrophy

Mild

Note: HISTOMORPHOLOGICAL EXAMINATION.

Note: ONLY ONE ADRENAL GLD AVAILABLE FOR

Kidney

Mineralization

Minimal

Liver

Nephropathy

Chronic, Mild

Basophilic Focus

Clear Cell Focus

Vacuolization Cytoplasmic

Mild

Note: CLEAR CL FOCUS TGLs = 1-11+12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 84

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 2-5			
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 3-1		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 5,6-2+12			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-13			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 85

TRT#: 1

SEX: Male

DAY ON TEST: 625

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea		

MISSING

Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Islets, Pancreatic	Pancreas
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Kidney	Mineralization	Minimal
	Nephropathy	Chronic, Mild
Liver	Basophilic Focus	
	Clear Cell Focus	
	Cytologic Alterations	
	Vacuolization Cytoplasmic	Mild
Sem Ves		
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO		
Note: ENGORGEMENT WITH SECRETION.		
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL		
Thymus	Cyst	
Tooth	Atrophy	Mild
	Dysplasia	Mild
Urinary Bladder	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 85

TRT#: 1

SEX: Male

DAY ON TEST: 625

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871165

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH: UNDETERMINED. POSSIBLE URINARY

Animal Note: TRACT INFLAMMATION & OBSTRUCTION.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 86

TRT#: 1

SEX: Male

DAY ON TEST: 459

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Lung
Nose
Prostate
Spleen
Thymus

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Vacuolization Cytoplasmic	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 87

TRT#: 1

SEX: Male

DAY ON TEST: 458

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Harderian Gland

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Tooth

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Heart

Hemangiosarcoma

Metastatic (Liver)

Kidney

Nephropathy

Chronic, Mild

Liver

Clear Cell Focus

Hemangiosarcoma

Multiple

Hepatocellular Adenoma

Necrosis

Coagulative, Mild

Note: HEMANGIOSARC TGLs = 1,2-1+11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 88

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hyperplasia	Mild
Eye	Cornea	Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 6-12			
Harderian Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 2-5+12			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3,4,5-1+2			
Note: CLEAR CL FOCUS TGLs = 7-11			
Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Mild
		Pigmentation	Hemosiderin, Mild
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 871168

ORGAN AND ACCOUNTABLE SITE STATUS

Note: DILATATION TGLs = 1-13

Thymus

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 89

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Eye Note: CATARACT TGLs = 1-13	Lens	Cataract	Moderate
Harderian Gland		Adenoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver Note: HEPATOCLR CARC TGLs = 2-12		Hepatocellular Carcinoma	
Lung		Alveolar/Bronchiolar Adenoma	
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
Note: DILATATION TGLs = 3-11			
Tooth	Incisor, Lower	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90	TRT#: 1	SEX: Male	DAY ON TEST: 459
	DOSE: 0 PPM	DISP: Scheduled Sacrifice	HISTO: 871170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Kidney	Nephropathy	Chronic, Mild
Liver	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 737
DOSE: 0 PPM **DISP:** Terminal Sacrifice **HISTO:** 871171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Blood Vessel	Renal Artery	Inflammation	Chronic Active, Moderate
Bone	Intervertebral Disc	Degeneration	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [BASOPH FOCUS] TGLs = 5-1			
Note: [HEPATOCLER ADEN] TGLs = 3,4-1+2			
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 2-12			
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-13			
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Inflammation	Chronic Active, Mild
Note: ACANTHOSIS TGLs = 6-4+11			
Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871171

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Ameloblast, Incisor	Atrophy	Mild
	Dentine, Incisor	Dysplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 737
DOSE: 0 PPM **DISP:** Terminal Sacrifice **HISTO:** 871172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Intervert Disc	Degeneration	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-11+12			
Note: [CLEAR CL FOCUS] TGLs = 6-1			
Lung	Alveolar Epith	Hyperplasia	Moderate
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-14			
Stomach	Forestomach	Acanthosis	Mild
Note: [ACANTHOSIS] TGLs = 7-4			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 93

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney	Mineralization	Minimal
Liver	Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-13		
Lung	Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 5,6,7-2+12		
Preputial Gland	Atrophy	Marked
	Dilatation	Marked
	Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 1-11		
Spleen	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 3-1		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA

Animal Note: WITH MULTIPLE PULMONARY METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94

TRT#: 1

SEX: Male

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Spleen
Thymus

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 95

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Mineralization	Minimal
Liver		Necrosis	Coagulative, Marked
Note: NECROSIS	TGLs = 2,3,5-1+11+12		
Prostate		Inflammation	Chronic Active, Moderate
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH BLOOD.			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:MASSIVE HEPATIC NECROSIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 96

TRT#: 1

SEX: Male

DAY ON TEST: 458

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Seminal Vesicle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Skin
Testes
Urinary Bladder

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Prostate
Spleen
Thymus

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Kidney
Liver

Nephropathy
Clear Cell Focus
Hepatocellular Adenoma
Vacuolization Cytoplasmic
Inflammation
Dysplasia

Chronic, Mild

Moderate
Chronic Active, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 97

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Penis	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
	Cortex	Hypertrophy	Minimal
Gallbladder			
Note: GALLBLADDER IN B012			
Intestine Small	Jejunum, Lymphoid Tiss	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3-4			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
		Hepatocellular Carcinoma	
Liver			
Note: [HEPATOCLR CARC] TGLs = 2-12			
Lymph Node	Inguinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Penis			
Note: TGL#1-NCL:PENIS CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 98

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Epididymis		Inflammation	Chronic Active, Moderate
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: [CLEAR CL FOCUS] TGLs = 4,6-11+12			
Note: [HEPATOCLR ADEN] TGLs = 3,6-11+13			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 5-2			
Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Moderate
Note: [INFLAMMATION] TGLs = 1-14			
Note: [DILATATION] TGLs = 1-14			
Sem Ves			
Note: HISTOPATHOLOGICALLY.ENLARGEMENT DUE TO ENGORGEMENT			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871178

ORGAN AND ACCOUNTABLE SITE STATUS

Note: WITH SECRETION.

Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 99

TRT#: 1

SEX: Male

DAY ON TEST: 165

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Mammary Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100	TRT#: 1	SEX: Male	DAY ON TEST: 458
	DOSE: 0 PPM	DISP: Scheduled Sacrifice	HISTO: 871180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hemangiosarcoma	
		Vacuolization Cytoplasmic	Moderate
Pancreas	Acinus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 651

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Bilateral, Capsule, Cortex Cortex	Hyperplasia Hypertrophy	Marked Mild
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Mineralization Nephropathy	Minimal Chronic, Minimal
Liver		Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Minimal
Note: HEPATOCLR ADEN TGLs = 3-11			
Note: CLEAR CL FOCUS TGLs = 4-11			
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland	Duct	Atrophy Dilatation	Marked Marked
Note: DILATATION TGLs = 1-12			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Spleen			
Note: TGL#5-NCL:SPLEEN CONSIDERED TO BE WNL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 651

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871282

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.

Tooth

Ameloblast, Incisor

Atrophy

Marked

Dentine, Incisor

Dysplasia

Marked

Incisor, Lower

Dysplasia

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 619

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-11			
Note: HEPATOCLR ADEN TGLs = 3,6-11+12			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-13			
Spleen			
Note: TGL#2-NCL:SPLEEN CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 540

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: HEPATOCLR ADEN TGLs = 2-1			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:FOCUS,NOTED AT TRIM,NOT APPARENT			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 706

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Cyst	
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1-11			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Gallbladder		Cyst	
Kidney		Hydronephrosis	Moderate
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
		[Nephropathy TGLS = 2-1]	
Liver		Hepatocellular Adenoma	
		[Hepatocellular Adenoma TGLS = 4-1]	
Lung		Alveolar/Bronchiolar Carcinoma	
		Note: ALV BRON CARC TGLs = 5-2	
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
		Note: DILATATION TGLs = 1-11	
Thyroid Gland	Follicular Cel	Adenoma	
Tooth	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871289

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Bilateral, Capsule, Cortex	Adenoma	
Bone	Intervertebral Disc Tibia	Degeneration Fracture Healed	Mild
Heart		Mineralization	Minimal
Kidney		Cyst Mineralization	Minimal
Lung		Alveolar/Bronchiolar Carcinoma Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC	TGLs = 3-12		
Nose		Inflammation	Chronic Active, Moderate
Preputial Gland		Atrophy Dilatation	Marked Moderate
Note: DILATATION	TGLs = 1-11		
Sem Ves			
Note: HISTOMORPHOLOGICALLY ENLARGEMENT DUE TO			
Note: TGL#2-NCL: SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Tooth	Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Moderate Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871290

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:BRONCH-ALVEOLAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113	TRT#: 3	SEX: Male	DAY ON TEST: 420
	DOSE: SPECIAL CONTROL	DISP: Moribund Sacrifice	HISTO: 871293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Inflammation	Chronic Active, Mild
Tooth	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 698

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 4-1			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 505

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 2,3-1+11			
Sem Ves			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Thyroid Gland		Ultimobranchial Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 660

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: HEPATOCLR ADEN	TGLs = 1-2		
Note: CLEAR CL FOCUS	TGLs = 1-1+2+11		
Testes		Mineralization	Minimal
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 117

TRT#: 3

SEX: Male

DAY ON TEST: 273

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Mineralization	Minimal
	Nephropathy	Chronic, Minimal
Liver	Vacuolization Cytoplasmic	Moderate
Thymus	Cyst	

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 2-2		
Note: HEPATOCLR ADEN	TGLs = 4-1		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
Note: DILATATION	TGLs = 1-12		
Stomach	Forestomach	Squamous Cell Papilloma	
Note: SQ CL PAPILOM	TGLs = 3-11		

PRIMARY CAUSE OF DEATH

-

Animal Note: WITH PULMONARY METASTASES.

Animal Note: CAUSE OF MORBIDITY:HEPATOCELLULAR CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 241

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Spleen
Thymus
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Tooth

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Kidney

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Liver

Vacuolization Cytoplasmic

Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 519

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Mammary Gland Skin

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-12			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: AT NECROPSY,IS FOCUS OF NECROTIC & INFLAMMED			
Note: MESENTERIC FAT SUROUNDING AN AUTOLYTIC LYMPH			
Note: NODE HISTOMORPHOLOGICALLY.			
Note: TGL#3:PIGMENTED MESENTERIC LYMPH NODE,NOTED,			
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 3-13			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 519

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871300

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: WITH PULMONARY METASTASIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 599

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Ear	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,3,4-2+11			
Preputial Gland	Duct	Atrophy	Marked
		Dilatation	Marked
		Inflammation	Chronic Active, Moderate
Note: DILATATION TGLs = 1-12			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Mammary Gland

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Intestine Small Note: LYMPH MAL LYMP TGLs = 5-12	Ileum, Lymphoid Tiss	Lymphoma Malignant Lymphocytic	
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver Note: HEPATOCLR CARC TGLs = 1-11		Hepatocellular Carcinoma	
Lymph Node Note: LYMPH MAL LYMP TGLs = 2-4	Mesenteric	Lymphoma Malignant Lymphocytic	
Sem Ves Note: TGL#4-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO Note: ENGORGEMENT WITH SECRETION.			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: LYMPH MAL LYMPH.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871303

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY:HEPATOCELLULAR CARCINOMA;

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Mineralization	Minimal
Note: MINERALIZATION TGLs = 5-1			
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: CLEAR CL FOCUS TGLs = 3,4-1+2			
Note: HEPATOCLR ADEN TGLs = 4-1			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 1-11			
Sem Ves			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
Note: [ATROPHY] TGLs = 6-5			
Note: [DYSPLASIA] TGLs = 6-5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871305

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 530

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hemangiosarcoma	
		Hemangiosarcoma	Metastatic (Liver), Multiple (Liver)
		Necrosis	Coagulative, Mild
		Vacuolization Cytoplasmic	Mild
Note: HEMANGIOSARC	TGLs = 2-1		
Note: HEMANGIOSARC	TGLs = 1,3,5,6-2+12+13+14+15		
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Diverticulum	Mild
	Forestomach	Mineralization	Mild
Note: MINERALIZATION	TGLs = 4-11		
Note: DIVERTICULUM	TGLs = 4-11		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:HEPATIC HEMANGIOSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 564

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow	Femoral	Hemangiosarcoma	Metastatic (Skin)
Epididymis		Inflammation	Chronic Active, Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Necrosis	Coagulative, Mild
Lymph Node			
Note: DUE TO ENGORGEMENT WITH BLOOD.			
Note: TGL#3-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.RED COLOR,NOTED AT NECROPSY			
Skin	Subcut Tiss	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-12			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-11			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:CUTANEOUS HEMANGIOSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 130

TRT#: 3

SEX: Male

DAY ON TEST: 433

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Bone			
Note: TGL#3-NCL:FRACTURE,NOTED AT NECROPSY,NOT APPARENT			
Note: HISTOPATHOLOGICALLY.			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 2-2		
Preputial Gland		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 1-12		
Tooth	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:ALVEOLAR-BRONCH. CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 568

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Intervertebral Disc	Degeneration	Mild
	Thoracic, Vertebra	Osteosclerosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild

Note: HEPATOCLER ADEN TGLs = 1-11

Note: CLEAR CL FOCUS TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 386

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Kidney	Mineralization	Minimal
	Nephropathy	Chronic, Mild
Liver	Vacuolization Cytoplasmic	Moderate
Lymph Node		

Note: MANDIBULAR LYMPH NODE IN B03.

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 133

TRT#: 3

SEX: Male

DAY ON TEST: 523

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lung		Fibrosarcoma	Metastatic (Skin)
Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-12+13]			
Stomach	Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:CUTANEOUS FIBROSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 137

TRT#: 3

SEX: Male

DAY ON TEST: 488

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Islets, Pancreatic	Hyperplasia	Mild
Kidney	Mineralization	Minimal
	Nephropathy	Chronic, Minimal
Liver	Clear Cell Focus	
	Hepatocellular Adenoma	Multiple
	Vacuolization Cytoplasmic	Mild

Note: CLEAR CL FOCUS TGLs = 1-2+11

Note: HEPATOCLR ADEN TGLs = 2,3-1+11

Sem Ves

Note: TGL#4-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Note: ENGORGEMENT WITH SECRETION.

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 3

SEX: Male

DAY ON TEST: 208

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Liver	Vacuolization Cytoplasmic	Moderate
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PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 141

TRT#: 3

SEX: Male

DAY ON TEST: 359

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Kidney	Cyst	
	Histiocytic Sarcoma	
	Hydronephrosis	Marked
	Inflammation	Chronic Active, Marked
	Mineralization	Minimal
Note: [HISTIO SARC] TGLs = 5-1		
Note: CYST TGLs = 6-1		
Liver	Histiocytic Sarcoma	
	Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 3-2		
Note: [HISTIO SARC] TGLs = 4-2		
Lung	Histiocytic Sarcoma	
	Leukocytosis	
	Histiocytic Sarcoma	
	Inflammation	Chronic Active, Marked
Mesentery		
Prostate		
Note: INFLAMMATION TGLs = 1-11		
Seminal Vesicle	Inflammation	Chronic Active, Marked
Spleen	Hematopoietic Cell Proliferation	Marked
	Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141	TRT#: 3	SEX: Male	DAY ON TEST: 359
	DOSE: SPECIAL CONTROL	DISP: Moribund Sacrifice	HISTO: 871321

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HISTIO SARC] TGLs = 2-1
Note: HEMA CELL PROL TGLs = 2-1

Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: SEVERE INFLAMMATION OF PROSTATE, SEMINAL VESICLES,

Animal Note: LIVER & KIDNEYS, HYDRONEPHROSIS, AND PROBABLE

Animal Note: TERMINAL SEPTICEMIA.

Animal Note: CAUSE OF MORBIDITY: HISTIOCYTIC SARCOMA,

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142	TRT#: 3	SEX: Male	DAY ON TEST: 420
	DOSE: SPECIAL CONTROL	DISP: Special Control	HISTO: 871322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Heart	Mineralization	Mild
Kidney	Mineralization	Minimal
	Nephropathy	Chronic, Minimal
Liver	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 148

TRT#: 3

SEX: Male

DAY ON TEST: 579

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Tooth

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Trachea

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Prostate
Spleen
Thymus
Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney
Liver

Nephropathy
Eosinophilic Focus
Hepatocellular Adenoma
Hepatocellular Carcinoma

Chronic, Moderate
Multiple

Note: HEPATOCLR CARC TGLs = 2-14

Note: HEPATOCLR ADEN TGLs = 1,3,5,6,7,8-2+11+12+13+15+16

Lung

Note: ALV BRON CARC TGLs = 4-2

Alveolar/Bronchiolar Carcinoma

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 149

TRT#: 3

SEX: Male

DAY ON TEST: 593

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: TGL#6:NODULE,NOTED AT TRIM,NOT APPARENT			
Note: HISTOMORPHOLOGICALLY.			
Note: HEPATOCLR ADEN TGLs = 4,5,7,8,9,10-1+12+13			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
Note: DILATATION TGLs = 1-11			
Sem Ves			
Note: TGL#2&3-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 149

TRT#: 3

SEX: Male

DAY ON TEST: 593

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871329

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150 TRT#: 3 SEX: Male DAY ON TEST: 527
DOSE: SPECIAL CONTROL DISP: Special Control HISTO: 871330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	Multiple
		Necrosis	Coagulative, Minimal
Note: CLEAR CL FOCUS TGLs = 2-1+11			
Note: TGL#1-NCL:FOCUS,NOTED AT TRIM,NOT APPARENT			
Note: HISTOMORPHOLOGICALLY.			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 459

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Moderate
Note: [HEPATOCLR ADEN] TGLs = 2-2			
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-11			
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Intestine Small	Jejunum	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 3-12			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Pancreas		Hemangioma	
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Marked
Note: [INFLAMMATION] TGLs = 1-13			
Note: [DILATATION] TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 2-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLER ADEN] TGLs = 3-1			
Note: [HEPATOCLER CARC] TGLs = 2-2			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 4-11			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871723
ORGAN AND ACCOUNTABLE SITE STATUS			
	Incisor, Lower	Dysplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 459

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: CLEAR CL FOCUS TGLs = 3-1			
Note: HEPATOCLR ADEN TGLs = 1-12			
Mesentery		Inflammation	Necrotizing, Moderate
Note: INFLAMMATION TGLs = 2-11			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Harderian Gland		Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 2,3,4,5,6-1+2+11			
Note: [CLEAR CL FOCUS] TGLs = 5,6-1+11			
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-12			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 208

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Trachea

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Spleen
Thymus
Urinary Bladder

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Tooth

MISSING

Mammary Gland

OBSERVATIONS

Liver Vacuolization Cytoplasmic

Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH: UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN] TGLs = 4,5-11			
Note: [HEPATOCLR CARC] TGLs = 3-12			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Preputial Gland	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-13			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#2-NCL:CYST,NOTED AT NECROPSY,NOT AAPARENT			
Spleen		Hematopoietic Cell Proliferation	Moderate
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Minimal
Note: [ATROPHY] TGLs = 7-5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871728

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [DYSPLASIA] TGLs = 7-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 458

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Mild
Intestine Small	Jejunum, Peyer's Patch	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-11			
Kidney		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 2-12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Vacuolization Cytoplasmic	Mild
<p>Note: [HEPATOCLR CARC] TGLs = 3,6-1+11 Note: [CLEAR CL FOCUS] TGLs = 5-12 Note: [HEPATOCLR ADEN] TGLs = 1,2,4,7,8-1+2+11+12+13</p>			
Lung		Alveolar/Bronchiolar Carcinoma	
<p>Note: [ALV BRON CARC] TGLs = 9-2</p>			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Marked
<p>Note: [DYSPLASIA] TGLs = 10-5 Note: [ATROPHY] TGLs = 10-5</p>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871730

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Mild
		Necrosis	Coagulative, Moderate
Note: [HEPATOCLR CARC] TGLs = 1-11			
Pancreas	Acinus	Necrosis	Coagulative, Mild
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
Note: [ATROPHY] TGLs = 3-5			
Note: [DYSPLASIA] TGLs = 3-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Note: [CYST] TGLs = 7-1+13			
Note: [NEPHROPATHY] TGLs = 8-1			
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Mild
		Mineralization	Mild
Note: [CLEAR CL FOCUS] TGLs = 4,6-1+12			
Note: [HEPATOCLR ADEN] TGLs = 3,4-1			
Note: [INFLAMMATION] TGLs = 5-11			
Note: [MINERALIZATION] TGLs = 5-11			
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-14			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871732

ORGAN AND ACCOUNTABLE SITE STATUS

Sem Ves

Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Note: ENGORGEMENT WITH SECRETION.

Tooth

Ameloblast, Incisor

Atrophy

Moderate

Dentine, Incisor

Dysplasia

Marked

Incisor, Lower

Dysplasia

Moderate

Incisor

Odontoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Cytologic Alterations	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
Note: [CYTOLOGC ALTER] TGLs = 3,4,7-12+14			
Note: [HEPATOCLR ADEN] TGLs = 2,6-11+13			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 5-2			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Moderate
Note: [DILATATION] TGLs = 1-15			
Note: [INFLAMMATION] TGLs = 1-15			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871733

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
Liver		Clear Cell Focus Hepatocellular Adenoma	
Note: [CLEAR CL FOCUS] TGLs = 4-1			
Note: [HEPATOCLR ADEN] TGLs = 5-11			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 3-2			
Preputial Gland	Duct	Dilatation Inflammation	Mild Chronic Active, Mild
Note: [DILATATION] TGLs = 1-13			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thymus		Cyst	
Tooth	Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Moderate Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 871734
ORGAN AND ACCOUNTABLE SITE STATUS			
	Incisor, Lower	Dysplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Intestine Small	Duodenum	Erosion	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
[Mineralization TGLS = 3-1]			
Liver		Fibrosis	Mild
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Marked
		Inflammation	Chronic Active, Mild
		Necrosis	Coagulative, Marked
Note: HYPERPLASIA TGLs = 4-2			
[Hepatocellular Carcinoma TGLS = 5-1]			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
[Atrophy TGLS = 1-11]			
Sem Ves			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871735

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Note: ENGORGEMENT WITH SECRETION.

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Bone	Intervertebral Disc	Degeneration	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Mild
Note: [CLEAR CL FOCUS] TGLs = 3,4-1+2+12			
Note: [HEPATOCLR CARC] TGLs = 5-13			
Note: [HEPATOCLR ADEN] TGLs = 4-1+12			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 6-2			
Seminal Vesicle		Cyst	
Note: [CYST] TGLs = 2-6			
Note: HISTOMORPHOLOGICALLY ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#1-NCL: SEMINAL VESICLES CONSIDERED TO BE WNL			
Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871736

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Intestine Small	Jejunum, Lymphoid Tiss	Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-1			
Note: [CLEAR CL FOCUS] TGLs = 3,4,5-11			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-12			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 458

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2-11			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Tooth	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 458

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Intestine Small Note: HYPERPLASIA TGLs = 3-11	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Marked
Kidney		Cyst	
Liver		Nephropathy	Chronic, Mild
Lymph Node Note: HYPERPLASIA TGLs = 4-4	Mesenteric	Vacuolization Cytoplasmic	Mild
Preputial Gland Note: DILATATION TGLs = 1-12	Duct	Hyperplasia	Lymphoid, Moderate
Sem Ves Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL Note: HISTOPATHOLOGICALLY.ENLARGEMENT,NOTED AT NECROPSY, Note: PROBABLY DUE TO ENGORGEMENT WITH SECRETION.		Dilatation	Marked
Tooth	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Liver
Pancreas
Salivary Glands
Testes
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Thymus

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Skin
Thyroid Gland

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Stomach - Forestomach
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Bone
Kidney

Lung
Note: [HYPERPLASIA] TGLs = 2-2
Preputial Gland
Note: [DILATATION] TGLs = 1-11
Spleen
Stomach
Tooth

Intervert Disc

Alveolar Epith

Duct

Glandular
Ameloblast, Incisor
Dentine, Incisor

Degeneration
Inflammation
Mineralization
Nephropathy
Hyperplasia

Atrophy
Dilatation

Hematopoietic Cell Proliferation
Mineralization
Atrophy
Dysplasia

Moderate
Chronic Active, Moderate
Minimal
Chronic, Minimal
Mild

Mild
Moderate

Moderate
Minimal
Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
	Cortex	Hypertrophy	Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Granuloma Sperm	Marked
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,5,6-11+12			
Pancreas	Acinus	Atrophy	Minimal
Preputial GI			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#2-NCL:PREPUTIAL GLDS CONSIDERED TO BE WNL			
Sem Ves			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 871744
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Intervertebral Disc	Degeneration	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLER ADEN] TGLs = 3-1			
Note: [CLEAR CL FOCUS] TGLs = 4,5,6-11+12			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 2-2			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-13			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Moderate
Harderian Gland		Adenoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Moderate
Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
Note: [EOSIN FOCUS] TGLs = 8-12			
Note: [HEPATOCLR CARC] TGLs = 5-13			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Inflammation	Chronic Active, Mild
Note: [INFLAMMATION] TGLs = 3-2			
Note: [HEPATOCLR CARC] TGLs = 1,2-2+11			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 4-14			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871745

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ATROPHY] TGLs = 7-5

Note: [DYSPLASIA] TGLs = 7-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland Thymus

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Inflammation	Chronic Active, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
Note: [ALV BRON CARC] TGLs = 3,4-2			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1,2-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-2			
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Atrophy	Mild
		Inflammation	Chronic Active, Mild
Note: [INFLAMMATION] TGLs = 4-12			
Spleen		Hematopoietic Cell Proliferation	Mild
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Gingiva, Incisor	Inflammation	Suppurative, Mild
Note: [ATROPHY] TGLs = 6-5			
Note: [DYSPLASIA] TGLs = 6-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 5
DOSE: 25 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 871747

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 707

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Capsule, Cortex	Adenoma	
Bone	Intervert Disc	Degeneration	Mild
	Humerus	Osteosclerosis	Mild
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2-1			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 3-11			
Pituitary Gland	Pars Intermed	Cyst	
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#4-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:ALV-BRONCH. CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Bone	Intervertebral Disc	Degeneration	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Note: [CYST] TGLs = 5-1			
Liver		Hemangiosarcoma	Multiple
		Hyperplasia	Marked
Note: [HEMANGIOSARC] TGLs = 2,6-12+13			
Note: [HYPERPLASIA] TGLs = 7-1			
Lung		Infiltration Cellular	Lymphocyte, Moderate
Lymph Node			
Note: ENGORGEMENT WITH BLOOD.			
Note: WNL HISTOMORPHOLOGICALLY.RED COLOR DUE TO			
Note: TGL#4-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE			
Preputial GI			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#9-NCL:PREPUTIAL GL CONSIDERED TO BE WNL			
Seminal Vesicle		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 871749
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: [INFLAMMATION] TGLs = 1-6 Spleen		Hematopoietic Cell Proliferation	Mild
Note: [HEMA CELL PROL] TGLs = 3-1 Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 182

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 3-1+11+12			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-13			
Sem Ves			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY. ENLARGEMENT DUE TO			
Tooth	Ameloblast, Incisor	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 5
DOSE: 25 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 728
HISTO: 871752

ORGAN AND ACCOUNTABLE SITE STATUS

Dentine, Incisor
Incisor, Lower

Dysplasia
Dysplasia

Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 183

TRT#: 5

SEX: Male

DAY ON TEST: 629

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Necrosis	Coagulative, Moderate
Note: HEPATOCLR ADEN	TGLs = 1,2-1+11		
Note: HEPATOCLR CARC	TGLs = 2-1+12		
Stomach	Glandular	Erosion	Mild
Note: EROSION	TGLs = 3-4		
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: ADENOMAS & ASSOCIATED HEPATOCELLULAR NECROSIS.

Animal Note: CAUSE OF DEATH: MULTIPLE HEPATOCELLULAR CARCINOMAS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 184

TRT#: 5

SEX: Male

DAY ON TEST: 458

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Moderate
Note: HEPATOCLR ADEN TGLs = 2,3-12			
Lung	Alveolar Epith	Hyperplasia	Moderate
Sem Ves			
Note: PROBABLY DUE TO ENGORGEMENT WITH SECRETION.			
Note: HISTOPATHOLOGICALLY. ENLARGEMENT,NOTED AT NECROPSY,			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 185

TRT#: 5

SEX: Male

DAY ON TEST: 459

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal GI

Note: ONLY ONE ADRENAL GLAND AVAILABLE FOR HISTOPATHOLOGICAL

Note: EXAMINATION.

Kidney

Nephropathy

Chronic, Mild

Liver

Clear Cell Focus

Eosinophilic Focus

Vacuolization Cytoplasmic

Mild

Thymus

Cyst

Tooth

Dentine, Incisor

Dysplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 186

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Kidney		Cyst	
		Inflammation	Chronic Active, Moderate
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Mild
Note: [HEPATOCLR ADEN] TGLs = 6,7-2+13			
Note: [EOSIN FOCUS] TGLs = 5-1			
Lymph Node	Renal, Sinus	Ectasia	Moderate
Note: [ECTASIA] TGLs = 8-12			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 4-11			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Pancreas	Acinus	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 5
DOSE: 25 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 871756

ORGAN AND ACCOUNTABLE SITE STATUS

Duct

Dilatation
Inflammation

Moderate
Chronic Active, Mild

Note: [DILATATION] TGLs = 1-15

Prostate

Inflammation

Chronic Active, Mild

Seminal Vesicle

Inflammation

Chronic Active, Marked

Note: [INFLAMMATION] TGLs = 3-14

Note: TGL#2-NCL:SEMINAL VESICLE ENLARGEMENT DUE TO

Note: ENGORGEMENT WITH SECRETION.NOT CONSIDERED TO BE

Note: PATHOLOGIC.

Tooth

Ameloblast, Incisor
Dentine, Incisor
Incisor, Peridont Tiss

Atrophy
Dysplasia
Inflammation

Marked
Moderate
Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 188

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Bone Marrow	Humerus	Hemangiosarcoma	
Harderian Gland		Adenoma	
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [CLEAR CL FOCUS] TGLs = 3,6-2+12			
Note: [HEPATOCLR ADEN] TGLs = 3,4,5,6-1+2+11+12			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-13			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 5
DOSE: 25 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 871758

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Dentine, Incisor	Dysplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Testes	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland		Atrophy	Minimal
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-11			
Stomach	Glandular	Adenoma	
Note: [ADENOMA] TGLs = 2-4			
Thyroid Gland	Follicular Cel	Adenoma	
Note: [ADENOMA] TGLs = 3-2			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 729
DOSE: 25 PPM **DISP:** Terminal Sacrifice **HISTO:** 871761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
Note: [HEPATOCLR ADEN] TGLs = 2,3,4-11+12			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-13			
Thyroid Gland		Inflammation	Chronic Active, Mild
Note: [INFLAMMATION] TGLs = 5-2			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 5

SEX: Male

DAY ON TEST: 624

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Islets, Pancreatic	Hyperplasia	Mild
Kidney	Mineralization	Minimal
Liver	Clear Cell Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	Vacuolization Cytoplasmic	Mild

Note: CLEAR CL FOCUS TGLs = 3-2+11

Note: HEPATOCLR ADEN TGLs = 3-1+11

Sem Ves

Note: ENGORGEMENT WITH SECRETION.

Note: TGL#2-NCL:SEMICAL VESICLES CONSIDERED TO BE WNL

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

Urin Bladder

Note: TGL#1-NCL:URINARY BLADDER CONSIDERED TO BE WNL

Note: HISTOMORPHOLOGICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 192

TRT#: 5

SEX: Male

DAY ON TEST: 624

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871762

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TO THE MULTIPLE HEPATOCELLULAR ADENOMAS.

Animal Note: CAUSE OF DEATH:UNDETERMINED.POSSIBILY RELATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 193

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-11			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,4,5,6,7,8-1+2+12+13			
Note: [BASOPH FOCUS] TGLs = 7-13			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-2			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 12-15			
Note: [INFLAMMATION] TGLs = 12-15			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871763

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#9-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Note: ENGORGEMENT WITH SECRETION.

Spleen		Lymphoma Malignant Mixed	
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Inflammation	Chronic Active, Moderate
	Note: [ACANTHOSIS] TGLs = 10,11-4+14		
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 194

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Blood Vessel		Inflammation	Chronic Active, Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [EOSIN FOCUS] TGLs = 4-13			
Note: [HEPATOCLR ADEN] TGLs = 2-12			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 3-2			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 5-14			
Skin	Subcut Tiss	Hemangiosarcoma	
Note: [HEMANGIOSARC] TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Mild
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 871764
ORGAN AND ACCOUNTABLE SITE STATUS			
	Dentine, Incisor	Dysplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 195

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
	Medulla	Hyperplasia	Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney		Cyst	
		Hydronephrosis	Marked
		Nephropathy	Chronic, Minimal
Note: [HYDRONEPHROSIS] TGLs = 3-11			
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 4-1			
Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-12			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Ureter	Transit Epithe	Carcinoma	
Urinary Bladder		Calculus Gross Observation	
Note: [CALCUS GRO OBS] TGLs = 2-6			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871765

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 196

TRT#: 5

SEX: Male

DAY ON TEST: 657

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Necrosis	Coagulative, Mild
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#3-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MOBILITY:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 197

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland	Thymus	
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [EOSIN FOCUS] TGLs = 6-11			
Note: [CLEAR CL FOCUS] TGLs = 3,4,6-1+11+12			
Note: [HEPATOCLR ADEN] TGLs = 6-11			
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 5-4			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-13			
Note: [INFLAMMATION] TGLs = 1-13			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 5
DOSE: 25 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871767

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Tooth

Ameloblast, Incisor
Dentine, Incisor

Atrophy
Dysplasia

Moderate
Moderate

Note: [ATROPHY] TGLs = 7-5

Note: [DYSPLASIA] TGLs = 7-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Mild
		Vacuolization Cytoplasmic	Mild
Note: [CLEAR CL FOCUS] TGLs = 1,2-1+2+11+12			
Thyroid Gland	Follicular Cell	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 459 HISTO: 871770
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Vacuolization Cytoplasmic	Mild
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 201

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex Medulla	Adenoma Atrophy Pheochromocytoma Benign	Moderate
Note: [PHEOCHROM BGN] TGLs = 3-11			
Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
Liver		Hepatocellular Adenoma	
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 4-12			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL Note: ENGORGEMENT WITH SECRETION.			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-6			
Tooth	Ameloblast, Incisor Dentine, Incisor Incisor, Lower	Atrophy Dysplasia Dysplasia	Moderate Moderate Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 5
DOSE: 25 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871771

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 736
DOSE: 25 PPM **DISP:** Terminal Sacrifice **HISTO:** 871772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Mammary Gland Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [CLEAR CL FOCUS] TGLs = 5-1			
Note: [HEPATOCLR ADEN] TGLs = 3-13			
Note: [HEPATOCLR CARC] TGLs = 4-14			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 2-11			
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-12			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 5
DOSE: 25 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 871772

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 203

TRT#: 5

SEX: Male

DAY ON TEST: 619

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone	Humerus	Hemangiosarcoma	
Bone Marrow	Femoral	Hemangiosarcoma	
	Humerus	Hemangiosarcoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Note: NOT APPARENT HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:CAUSE OF PALE KIDNEYS,NOTED AT NECROPSY,			
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-13			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 3-14			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:BILATERIAL POSTERIOR PARALYSIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 204

TRT#: 5

SEX: Male

DAY ON TEST: 458

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Bone	Femur	Osteosarcoma	
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Vacuolization Cytoplasmic	Mild
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Sem Ves			
Note: PROBABLY DUE TO ENGORGEMENT WITH SECRETION.			
Note: HISTOPATHOLOGICALLY.ENLARGEMENT,NOTED AT NECROPSY,			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 5

SEX: Male

DAY ON TEST: 656

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Harderian Gland	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Lung		Alveolar/Bronchiolar Carcinoma	
	Bronchus	Dilatation	Marked
Note: ALV BRON CARC TGLs = 3-11			
Note: DILATATION TGLs = 4-11			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-12			
Sem Ves			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 5

SEX: Male

DAY ON TEST: 656

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871775

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MULTIPLE METASTASES.

Animal Note: CAUSE OF DEATH:ALV-BRONCH CARCINOMA WITH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 206

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Epididymis	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Bone	Intervertebral Disc	Degeneration	Minimal
Bone Marrow	Femoral	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
		Cyst	
Thymus		Atrophy	Moderate
Tooth	Ameloblast, Incisor	Dysplasia	Mild
	Dentine, Incisor	Dysplasia	Minimal
	Incisor, Lower	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 5
DOSE: 25 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 871776

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 207

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM MAL] TGLs = 1-11	Medulla	Pheochromocytoma Malignant	
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver Note: [HEPATOCLR ADEN] TGLs = 4-2 Note: [EOSIN FOCUS] TGLs = 4-12		Eosinophilic Focus	
Lymph Node Note: MANDIBULAR LYMPH NODE IN B03.		Hepatocellular Adenoma	
Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
Parathyroid Gland		Cyst	
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Sem Ves Note: TGL3#-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 871777
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.

Testes	Seminif Tub	Degeneration	Minimal
Thymus		Atrophy	Mild
		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 208

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Maxilla	Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4-1+2			
Lymph Node	Mesenteric	Thrombosis	
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Minimal
Note: [DILATATION] TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Seminif Tub	Degeneration	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 209

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Adenoma Hypertrophy Mineralization Nephropathy Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Mild Minimal Chronic, Mild Mild
Kidney			
Liver			
Note: [HEPATOCLR ADEN] TGLs = 2-2			
Note: [CLEAR CL FOCUS] TGLs = 2-1+2+11			
Mesentery		Inflammation Mineralization	Necrotizing, Marked Minimal
Note: [INFLAMMATION] TGLs = 1-12			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 871781
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Mineralization	Minimal
	Nephropathy	Chronic, Mild
Liver	Clear Cell Focus	
	Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,2,3,4,5-11+12+13		
Tooth	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 212

TRT#: 5

SEX: Male

DAY ON TEST: 458

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Kidney	Nephropathy	Chronic, Mild
Liver	Clear Cell Focus	
	Hepatocellular Adenoma	
	Vacuolization Cytoplasmic	Mild
Note: CLEAR CL FOCUS TGLs = 1-11		
Note: HEPATOCLR ADEN TGLs = 2-12		
Thymus	Cyst	
Tooth	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 213

TRT#: 5

SEX: Male

DAY ON TEST: 540

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Bone	Maxilla	Adenocarcinoma	Metastatic (Harderian Gland)
Bone Marrow	Maxilla	Myelofibrosis	Mild
Harderian Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-12			
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lung		Adenocarcinoma	Metastatic (Harderian Gland)
Note: ADENOCARC TGLs = 2-2			
Nose		Adenocarcinoma	Metastatic (Harderian Gland)
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 4-11			
Sem Ves			
Note: TGL#3-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 540 HISTO: 871783
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ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Ameloblast, Incisor Dentine, Incisor Incisor, Lower	Atrophy Dysplasia Dysplasia	Moderate Moderate Mild
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PRIMARY CAUSE OF DEATH

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Animal Note: CAUSE OF MORBIDITY:HARDERIAN GLD ADENOCARCINOMA

Animal Note: WITH PULMONARY METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 215

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4-11+13			
Note: [HEPATOBLASTOMA] TGLs = 2-12			
Lung		Lipoma	
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-14			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 216

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Epididymis		Mineralization	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Fibrosarcoma	Metastatic (Prostate)
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Mild
Note: FIBROSARC	TGLs = 1-12		
Note: HEPATOCLR ADEN	TGLs = 5,6-1+11		
Note: HEPATOCLR CARC	TGLs = 3-2		
Lung	Mediastinum	Fibrosarcoma	Metastatic (Prostate)
Lymph Node	Mediastinal	Fibrosarcoma	Metastatic (Prostate)
	Note: TGL#4-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE		
	Note: WNL HISTOMORPHOLOGICALLY.		
Mesentery		Fibrosarcoma	Metastatic (Prostate)
Pancreas		Fibrosarcoma	Metastatic (Prostate)
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Mild
Note: DILATATION	TGLs = 7-13		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216	TRT#: 5 DOSE: 25 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 684 HISTO: 871786
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ORGAN AND ACCOUNTABLE SITE STATUS

Prostate Note: FIBROSARC TGLs = 8-6		Fibrosarcoma	
Seminal Vesicle Note: FIBROSARC TGLs = 2-14		Fibrosarcoma	Metastatic (Prostate)
Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Glandular	Fibrosarcoma	Metastatic (Prostate)
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:FIBROSARCOMA,PROSTATE WITH

Animal Note: MULTIPLE METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3-1+11			
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-12			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 218

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Epididymis		Granuloma Sperm	Mild
Heart		Hemangiosarcoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemangiosarcoma	Metastatic (Heart)
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,4-1+12			
Note: [HEMANGIOSARC] TGLs = 5-13			
Note: [HEPATOCLR CARC] TGLs = 3-11			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-14			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular	Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 5
DOSE: 25 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871788

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland
Tooth

Follicular Cel
Dentine, Incisor
Dentine, Incisor

Hyperplasia
Degeneration
Dysplasia

Mild
Moderate
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 219

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
Note: [EOSIN FOCUS] TGLs = 2-2			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-11			
Thymus		Atrophy	Mild
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Moderate
Note: [DYSPLASIA] TGLs = 4-12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 220

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex Cortex	Adenoma Cyst Hypertrophy Hyperplasia	Multiple Mild Moderate
Intestine Small Note: [HYPERPLASIA] TGLs = 3-11	Jejunum, Lymphoid Tiss		
Kidney		Mineralization Nephropathy Clear Cell Focus	Minimal Chronic, Mild
Liver Note: [CLEAR CL FOCUS] TGLs = 2-1			
Preputial GI Note: HISTOMORPHOLOGICALLY. Note: TGL#1-NCL:PREPUTIAL GLD CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Moderate Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 458

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Spleen
Thymus
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Tooth

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Kidney
Liver
Lymph Node

Nephropathy
Vacuolization Cytoplasmic

Chronic, Minimal
Mild

Note: MANDIBULAR LYMPH NODE IN B03.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222

TRT#: 7
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 871582

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Adenoma Hypertrophy	Mild
Note: [ADENOMA] TGLs = 6-7			
Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
Liver		Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Multiple Mild
Note: [CLEAR CL FOCUS] TGLs = 2-1+2			
Note: [HEPATOCLR ADEN] TGLs = 4,5-1+11			
Mesentery		Inflammation Mineralization	Necrotizing, Marked Moderate
Note: [INFLAMMATION] TGLs = 7-12			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#3-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-1			
Thyroid Gland		Ultimobranchial Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223	TRT#: 7 DOSE: 100 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871583
ORGAN AND ACCOUNTABLE SITE STATUS			
Tooth	Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Moderate Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tissue NOS	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Adenoma Hyperplasia Mineralization Nephropathy Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Mild Minimal Chronic, Mild
Kidney			
Liver			
<p>Note: [HEPATOCLR CARC] TGLs = 4-11 Note: [CLEAR CL FOCUS] TGLs = 5,7-1+2 Note: [HEPATOCLR ADEN] TGLs = 3,6-1+2</p>			
Preputial Gland	Duct	Dilatation Inflammation	Marked Chronic Active, Marked
<p>Note: [INFLAMMATION] TGLs = 1-12 Note: [DILATATION] TGLs = 1-12</p>			
Sem Ves			
<p>Note: ENGORGEMENT WITH SECRETION. Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL</p>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 7
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 871584

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY. ENLARGEMENT DUE TO

Spleen		Hematopoietic Cell Proliferation	Moderate
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 225

TRT#: 7

SEX: Male

DAY ON TEST: 505

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Harderian Gland		Inflammation	Chronic Active, Moderate
Kidney		Mineralization	Minimal
Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
Spleen			
Note: TGL#1-NCL:SPLEEN CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Stomach			
Note: TGL#2-NCL:BLACK LESION INVOLVING GLANDULAR			
Note: STOMACH,NOTED AT TRIM,NOT APPARENT			
Note: HISTOMORPHOLOGICALLY.			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: AND RESULTING INABILITY TO EAT PROPERLY.

Animal Note: CAUSE OF MORBIDITY:CLINICAL SIGNS WHICH WERE

Animal Note: PROBABLY RELATED TO THE DENTAL MALOCCLUSION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226	TRT#: 7	SEX: Male	DAY ON TEST: 458
	DOSE: 100 PPM	DISP: Scheduled Sacrifice	HISTO: 871586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Vacuolization Cytoplasmic	Moderate
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node			

Note: MANDIBULAR LYMPH NODE IN B03.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227	TRT#: 7	SEX: Male	DAY ON TEST: 459
	DOSE: 100 PPM	DISP: Scheduled Sacrifice	HISTO: 871587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Moderate
Note: HEPATOCLR ADEN TGLs = 2-11			
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-12			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 459

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Vacuolization Cytoplasmic	Minimal
Tooth	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild

Note: [BASOPH FOCUS] TGLs = 2-1

Note: [CLEAR CL FOCUS] TGLs = 2-1+2+11+12

Note: [HEPATOCLR ADEN] TGLs = 2-1

Sem Ves

Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Note: ENGORGEMENT WITH SECRETION.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 230

TRT#: 7

SEX: Male

DAY ON TEST: 241

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Testes	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Blood Vessel	Aorta	Inflammation	Chronic Active, Marked
	Artery, Thoracic	Inflammation	Chronic Active, Marked
	Mesent Artery	Inflammation	Chronic Active, Marked
Ear	Middle Ear	Inflammation	Suppurative, Moderate
Heart	Perivascular	Inflammation	Chronic Active, Marked
Lung		Inflammation	Chronic Active, Mild
Stomach	Glandular, Perivascular	Inflammation	Chronic Active, Marked
Thyroid Gland		Inflammation	Chronic Active, Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:SYSTEMIC POLYARTERITIS,

Animal Note: OTITIS MEDIA, HEAD TILT NOTED CLINICALLY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 871591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus	
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OBSERVATIONS

Bone	Intervert Disc	Degeneration	Moderate
Epididymis		Hepatocellular Carcinoma	Metastatic (Liver)
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Cyst	
		Hepatocellular Carcinoma	Metastatic (Liver)
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 3-11			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: [HEPATOCLR CARC] TGLs = 5,6,7-2+12			
Lymph Node	Mediastinal	Hepatocellular Carcinoma	Metastatic (Liver)
	Mesenteric	Hepatocellular Carcinoma	Metastatic (Liver)
Note: [HEPATOCLR CARC] TGLs = 4-4			
Mesentery		Hepatocellular Carcinoma	Metastatic (Liver)
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 2-13			
Seminal Vesicle		Hepatocellular Carcinoma	Metastatic (Liver)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231	TRT#: 7 DOSE: 100 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 871591
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ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Hepatocellular Carcinoma	Metastatic (Liver)
Spleen		Hepatocellular Carcinoma	Metastatic (Liver)
Testes		Mineralization	Moderate
		Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 1-6			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Moderate
Note: [DYSPLASIA] TGLs = 9-14			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 528

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Penis
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
Liver		Clear Cell Focus	
		Eosinophilic Focus	
Note: EOSIN FOCUS TGLs = 7,8-2+11			
Note: CLEAR CL FOCUS TGLs = 8-11			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Moderate
Note: ALV BRON ADEN TGLs = 9-2			
Note: HYPERPLASIA TGLs = 10-2			
Penis			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL: PENIS CONSIDERED TO BE WNL			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: DILATATION TGLs = 3-12			
Saliv Glands			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 528

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871592

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.

Note: TGL#2-NCL:SALIVARY GLD CONSIDERED TO BE WNL

Stomach

Note: HISTOMORPHOLOGICALLY.

Note: TGL#6-NCL:GLANDULAR STOMACH CONSIDERED TO BE WNL

Tooth

Ameloblast, Incisor

Atrophy

Marked

Dentine, Incisor

Dysplasia

Marked

Incisor, Lower

Dysplasia

Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:DEFORMED TEETH.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 234

TRT#: 7

SEX: Male

DAY ON TEST: 459

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Tooth

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland

Cortex

Hypertrophy

Mild

Liver

Vacuolization Cytoplasmic

Mild

Preputial Gland

Duct

Dilatation

Marked

Note: DILATATION TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 626

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Liver
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Note: MINERALIZATION TGLs = 1-1			
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
Note: HYPERPLASIA TGLs = 4-3+7			
Saliv Glands			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#3-NCL:SALIVARY GLD CONSIDERED TO BE WNL			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:TOOTH DEFORMITY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: WAS NORMAL AT TRIM. NO MASS FOUND.			
Note: [HEPATOCLR ADEN] TGLs = 3,4,6,7,9-1+12			
Note: TGL#8-NST:TECHNICIAN REPORTED THAT CAUDATE LOBE			
Lung		Alveolar/Bronchiolar Carcinoma	
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: [ALV BRON CARC] TGLs = 5-2			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 2-11			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-13			
Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:18
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 7
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871596

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Dentine, Incisor	Dysplasia	Minimal
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 598

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Spleen
Thymus
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Tooth

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Kidney

Mineralization

Minimal

Liver

Nephropathy

Chronic, Mild

Hepatocellular Carcinoma

Necrosis

Coagulative, Marked

Note: NECROSIS TGLs = 2-11

Note: HEPATOCLR CARC TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:18

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 651

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal GI			
Note: TGL#11-NCL:ADRENAL GLD CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Kidney		Histiocytic Sarcoma	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 3,4,5,6,7,8,9-1+2+12+13+14+15			
Salivary Glands		Histiocytic Sarcoma	
Sem Ves			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Spleen		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 2-1			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HISTIOCYTIC SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Epididymis		Mineralization	Minimal
Intestine Small	Duodenum	Intussusception	
	Duodenum	Polyp Adenomatous	
Note: [INTUSSUSCEPTN] TGLs = 4-13			
Note: [POLYP ADENOMAT] TGLs = 4-13			
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
		Clear Cell Focus	
Liver			
Note: [CLEAR CL FOCUS] TGLs = 5,6-2+11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 7-2			
Lymph Node	Mesenteric	Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 8-4			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Moderate
Note: [DILATATION] TGLs = 1-12			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 871599

ORGAN AND ACCOUNTABLE SITE STATUS

Sem Ves			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Diverticulum	Mild
Note: [DIVERTICULUM] TGLs = 3-14			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland	Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Necrosis	Coagulative, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 4-11			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-12			
Seminal Vesicle		Cyst	
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: [CYST] TGLs = 3-6			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871600

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 241

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Note: [NEPHROPATHY] TGLs = 7-1			
Note: [CYST] TGLs = 6-1			
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN] TGLs = 2,3,5,8,9,11-1+2+11+12+14			
Note: [HEPATOCLR CARC] TGLs = 4-12			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-13			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 729
DOSE: 100 PPM **DISP:** Terminal Sacrifice **HISTO:** 871602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy	Moderate Mild
Epididymis		Mineralization	Mild
Kidney		Mineralization Nephropathy	Minimal Chronic, Minimal
Note: [NEPHROPATHY] TGLs = 5,6-1			
Liver		Clear Cell Focus Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,2-1+12			
Note: [CLEAR CL FOCUS] TGLs = 3-1+2+12			
Pituitary Gland	Pars Distalis	Cyst	
Stomach	Forestomach	Cyst Epithelial Inclusion	
Note: [CYST EPITH INC] TGLs = 4-11			
Tooth	Dentine, Incisor Incisor, Lower	Dysplasia Dysplasia	Minimal Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 243

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Ear		Fibrosarcoma	
Note: [FIBROSARC] TGLs = 1-12			
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 5,7,8-1+2+11			
Lung		Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 4,6-13+14			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 3-15			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-1			
Thymus		Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Ameloblast, Incisor	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243

TRT#: 7
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 871603

ORGAN AND ACCOUNTABLE SITE STATUS

Dentine, Incisor

Dysplasia

Minimal

Note: [DYSPLASIA] TGLs = 10-5

Note: [ATROPHY] TGLs = 10-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 244

TRT#: 7

SEX: Male

DAY ON TEST: 568

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 1-11			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Mild
Note: [DYSPLASIA] TGLs = 5-12			
Urinary Bladder		Calculus Micro Observation Only	
		Inflammation	Chronic Active, Moderate
Note: CALCUS MIC OBS TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MOBILITY: URINARY TRACT OBSTRUCTION.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 245

TRT#: 7

SEX: Male

DAY ON TEST: 721

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-11			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Spleen		Atrophy	Moderate
Note: ATROPHY TGLs = 2-1			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246	TRT#: 7	SEX: Male	DAY ON TEST: 731
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 871606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Islets, Pancreatic		Hyperplasia	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 2,3,4,5-2+11+12			
Lung		Alveolar/Bronchiolar Adenoma	
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 6-13			
Sem Ves			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Spleen		Hemangiosarcoma	
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871606

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 247

TRT#: 7

SEX: Male

DAY ON TEST: 660

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Marked
Note: HEPATOCLR CARC TGLs = 4-11			
Note: HEPATOCLR ADEN TGLs = 5-11			
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 3-12			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Moderate
Note: DILATATION TGLs = 1-13			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Stomach	Glandular	Erosion	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247	TRT#: 7	SEX: Male	DAY ON TEST: 660
	DOSE: 100 PPM	DISP: Natural Death	HISTO: 871607

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Ameloblast, Incisor	Atrophy	Mild
	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 248

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Mild
Intestine Small	Jejunum	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-4			
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-1+11+12			
Note: [CLEAR CL FOCUS] TGLs = 6-1			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-13			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 249

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Eosinophilic Focus	
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thyroid Gland	Follicular Cel	Adenoma	
Note: [ADENOMA] TGLs = 3-2			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871609

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252 TRT#: 7 SEX: Male DAY ON TEST: 732
DOSE: 100 PPM DISP: Terminal Sacrifice HISTO: 871612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4-1+11			
Pituitary Gland	Pars Distalis	Cyst	
Sem Ves			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 253

TRT#: 7

SEX: Male

DAY ON TEST: 166

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871613

OBSERVATIONS

Mesentery

Inflammation

Chronic Active, Moderate

[Inflammation TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254	TRT#: 7	SEX: Male	DAY ON TEST: 459
	DOSE: 100 PPM	DISP: Scheduled Sacrifice	HISTO: 871614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Moderate
Note: EOSIN FOCUS	TGLs = 1-11		
Lung		Alveolar/Bronchiolar Adenoma	
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 255

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Epididymis		Inflammation	Chronic Active, Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
Note: [CLEAR CL FOCUS] TGLs = 2-1			
Preputial Gland	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-11			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 256

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Bone Marrow	Femoral	Myelofibrosis	Minimal
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-11			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Mild
Note: DILATATION TGLs = 1-12			
Spleen		Hematopoietic Cell Proliferation	Moderate
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: HEPATOCELLULAR CARCINOMA.

Animal Note: CAUSE OF MORBIDITY:CHRONIC NEPHROPATHY;

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 257

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Intervert Disc	Degeneration	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 3-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 4-2			
Pancreas	Acinus	Amyloid Deposition	Minimal
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-12			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Marked
Note: [ATROPHY] TGLs = 6-5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871617

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [DYSPLASIA] TGLs = 6-5

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow	Tibia	Myelofibrosis	Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Kidney		Cyst	
	Epithelium, Renal Tubule	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-13			
Note: [CLEAR CL FOCUS] TGLs = 1,2-12+13			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: [DILATATION] TGLs = 3-11			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871618

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 259

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [CLEAR CL FOCUS] TGLs = 4-12			
Note: [HEPATOCLR ADEN] TGLs = 2,3-1+13			
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: [DILATATION] TGLs = 1-11			
Tooth	Dentine, Incisor	Dysplasia	Mild
	Incisor, Pulp	Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 260

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1,2-4+11			
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN] TGLs = 4,5-2+13			
Note: [HEPATOCLR CARC] TGLs = 5-13			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3-12			
Spleen		Hematopoietic Cell Proliferation	Moderate
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 261

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
Intestine Small	Jejunum, Lymphoid Tiss	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-12			
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Lymph Node	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 262

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-2			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Dentine, Incisor	Dysplasia	Minimal
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 264

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4,5-1+11+12			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Marked
Note: [DILATATION] TGLs = 1-13			
Note: [INFLAMMATION] TGLs = 1-13			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 265

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Bone	Intervertebral Disc	Degeneration	Minimal
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Adenocarcinoma	Metastatic (Stomach)
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLER ADEN] TGLs = 5,7-11			
Note: [CLEAR CL FOCUS] TGLs = 4-1			
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-12			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#S 2&3-NCL:SEMINAL VESICLES CONSIDERED TO BE			
Note: WNL HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Stomach	Glandular	Adenocarcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265

TRT#: 7
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871625

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOCARC] TGLs = 6-4
Tooth

Ameloblast, Incisor
Dentine, Incisor

Atrophy
Dysplasia

Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 266

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy	Moderate Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4-1			
Preputial Gland	Duct	Atrophy Dilatation	Moderate Mild
Note: [DILATATION] TGLs = 2-12			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Stomach	Forestomach Forestomach	Acanthosis Inflammation	Moderate Chronic Active, Mild
Note: [ACANTHOSIS] TGLs = 5-11			
Thyroid Gland	Follicular Cel	Adenoma	
Note: [ADENOMA] TGLs = 3-2			
Tooth	Ameloblast, Incisor	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 7
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871626

ORGAN AND ACCOUNTABLE SITE STATUS

Dentine, Incisor

Dysplasia

Marked

Note: [ATROPHY] TGLs = 6-5

Note: [DYSPLASIA] TGLs = 6-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267	TRT#: 7	SEX: Male	DAY ON TEST: 692
	DOSE: 100 PPM	DISP: Natural Death	HISTO: 871627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Tooth	Trachea	Urinary Bladder

MISSING

Intestine Small - Ileum	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-11			
Spleen			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL #4-NCL:SPLEEN CONSIDERED TO BE WNL			
Thymus		Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 268

TRT#: 7

SEX: Male

DAY ON TEST: 579

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Bone Marrow	Femoral	Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 5-5		
Harderian Gland		Inflammation	Chronic Active, Moderate
Kidney		Inflammation	Necrotizing, Marked
Note: INFLAMMATION	TGLs = 4-1		
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 2,3-1+11		
Seminal Vesicle		Inflammation	Chronic Active, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Urin Bladder			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:URINARY BLADDER CONSIDERED TO BE WNL			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:MARKED NECROTIZING NEPHRITIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 269

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy	Moderate Mild
Kidney		Cyst Mineralization Nephropathy	Minimal Chronic, Minimal
Liver		Clear Cell Focus Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4,7,8-1+2+13			
Note: [CLEAR CL FOCUS] TGLs = 5,6,9,10-2+14+15			
Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery		Inflammation	Necrotizing, Marked
[Inflammation TGLS = 2-11]			
Preputial Gland	Duct	Atrophy Dilatation Inflammation	Moderate Moderate Chronic Active, Mild
[Dilatation TGLS = 1-12]			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269

TRT#: 7
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 871629

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 7

SEX: Male

DAY ON TEST: 166

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Liver

Note: TGL#1-NCL-LIVER APPEARS NORMAL HISTOPATHOLOGICLALY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271	TRT#: 7	SEX: Male	DAY ON TEST: 459
	DOSE: 100 PPM	DISP: Scheduled Sacrifice	HISTO: 871631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Vacuolization Cytoplasmic	Mild
Note: CLEAR CL FOCUS TGLs = 1-11			
Stomach	Glandular	Mineralization	Minimal
Tooth	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 274

TRT#: 7

SEX: Male

DAY ON TEST: 459

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Lung
Nose
Prostate
Spleen
Thymus

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

OBSERVATIONS

Kidney
Liver

Nephropathy
Clear Cell Focus
Hepatocellular Adenoma
Vacuolization Cytoplasmic

Chronic, Minimal

Moderate

Note: HEPATOCLR ADEN TGLs = 1-2

Note: CLEAR CL FOCUS TGLs = 1,2,3-1+2+11+12

Tooth Dentine, Incisor

Dysplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 7

SEX: Male

DAY ON TEST: 459

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Mild

Note: HEPATOCLR CARC TGLs = 1-11

Lymph Node

Note: MANDIBULAR LYMPH NODE IN B03.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276	TRT#: 7	SEX: Male	DAY ON TEST: 736
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 871636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN]	TGLs = 2,5-1+11		
Note: [CLEAR CL FOCUS]	TGLs = 1,3,4,6-1+11		
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 736
DOSE: 100 PPM **DISP:** Terminal Sacrifice **HISTO:** 871638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Cortex	Hypertrophy	Mild
Bone Marrow	Humerus	Myelofibrosis	Minimal
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
Note: [MIXED CL FOCUS] TGLs = 3-1			
Note: [CLEAR CL FOCUS] TGLs = 3-1			
Note: [HEPATOCLR ADEN] TGLs = 5-11			
Note: [HEMANGIOSARC] TGLs = 4-1			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-12			
Sem Ves			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 7
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 871638

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ENGORGEMENT WITH SECRETION.

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Thyroid Gland

Ultimobranchial Cyst

Tooth

Ameloblast, Incisor

Atrophy

Marked

Dentine, Incisor

Dysplasia

Moderate

Incisor, Lower

Dysplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 279

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Intestine Small	Jejunum	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 3-12			
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Note: [CYST] TGLs = 7-1			
Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Mild
		Necrosis	Coagulative, Mild
Note: [HEPATOCLR ADEN] TGLs = 4,8-1+2			
Note: [HEMANGIOSARC] TGLs = 5-11			
Note: [BASOPH FOCUS] TGLs = 6-11			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: [HEMA CELL PROL] TGLs = 9-4			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871639

ORGAN AND ACCOUNTABLE SITE STATUS

Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 2-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Bilateral, Capsule, Cortex	Hyperplasia	Moderate
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Note: [CYST] TGLs = 4-1			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,6,7,8,9-1+2+11+12			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 5-2			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Pancreas	Acinus	Atrophy	Marked
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Marked
Note: [DILATATION] TGLs = 1-13			
Note: [INFLAMMATION] TGLs = 1-13			
Sem Ves			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 7
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 871642

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO
Note: ENGORGEMENT WITH SECRETION.
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 283

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Cartilage, Rib	Degeneration	Moderate
Note: [DEGEN] TGLs = 2-16			
Intestine Small	Duodenum	Polyp Adenomatous	
Note: [POLYP ADENOMAT] TGLs = 4-4			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: ALONG WITH A SMALL PORTION OF PANCREAS, ADHERED			
Note: [HEPATOCLR ADEN] TGLs = 5,6-11+12			
Note: TGL#7-NCL:NODULE, NOTED AT TRIM, NOT PRESENT IN			
Note: TGL#3:TAG OF INFLAMMED AND MINERALIZED MESENTERY			
Note: BLOCK OR WET TISSUE.			
Note: LIVER CAPSULE.			
Mesentery		Inflammation	Necrotizing, Mild
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 3-15			
Preputial GI			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 283

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871643

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.

Note: TGL#8-NCL:BLACK FOCUS,NOTED AT TRIM,NOT APPARENT

Sem Ves

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Note: ENGORGEMENT WITH SECRETION.

Tooth

Ameloblast, Incisor

Atrophy

Marked

Dentine, Incisor

Dysplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 284

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Capsule, Cortex Cortex	Adenoma Hypertrophy	Mild
Kidney		Cyst Mineralization Nephropathy	Minimal Chronic, Minimal
Note: [CYST] TGLs = 5-1			
Liver		Clear Cell Focus Hepatocellular Adenoma	Multiple
Note: [CLEAR CL FOCUS] TGLs = 6-1			
Note: [HEPATOCLR ADEN] TGLs = 2-2			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 4-2			
Preputial Gland		Atrophy Dilatation	Moderate Moderate
Note: [DILATATION] TGLs = 1-11	Duct		
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#3-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871644

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 285

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Islets, Pancreatic
Parathyroid Gland
Skin
Thymus

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Lymph Node - Mandibular
Pituitary Gland
Stomach - Forestomach
Thyroid Gland

Brain
Heart
Intestine Small - Duodenum
Nose
Salivary Glands
Stomach - Glandular
Trachea

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Seminal Vesicle
Testes

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland

Cortex

Cyst

Cortex

Hyperplasia

Mild

Bone

Intervertebral Disc

Degeneration

Mild

Calvarium

Osteosclerosis

Focal, Moderate

Note: [OSTEOSCLEROSIS] TGLs = 6-15

Epididymis

Lymphoma Malignant Mixed

Intestine Small

Jejunum

Lymphoma Malignant Mixed

Note: [LYMPH MAL MIXD] TGLs = 4-4

Kidney

Lymphoma Malignant Mixed

Mineralization

Minimal

Nephropathy

Chronic, Mild

Liver

Eosinophilic Focus

Hepatocellular Carcinoma

Lymphoma Malignant Mixed

Note: [EOSIN FOCUS] TGLs = 7-16

Note: [HEPATOCLR CARC] TGLs = 2-14

Lung

Lymphoma Malignant Mixed

Lymph Node

Mesenteric

Lymphoma Malignant Mixed

Renal

Lymphoma Malignant Mixed

Note: [LYMPH MAL MIXD] TGLs = 3,5-11+12

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285	TRT#: 7 DOSE: 100 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO: 871645
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ORGAN AND ACCOUNTABLE SITE STATUS			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-13			
Prostate		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Tooth	Dentine, Incisor	Dysplasia	Mild
Urinary Bladder		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 286

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Vacuolization Cytoplasmic	Mild
Note: [CLEAR CL FOCUS] TGLs = 2-12			
Preputial Gland	Duct	Atrophy	Mild
		Dilatation	Mild
		Inflammation	Chronic Active, Marked
Note: [DILATATION] TGLs = 1-11			
Note: [INFLAMMATION] TGLs = 1-11			
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 287

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone Marrow	Femoral	Myelofibrosis	Mild
Kidney		Cyst	
		Metaplasia	Osseous, Mild
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Alveolar/Bronchiolar Adenoma	
		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: [CLEAR CL FOCUS]	TGLs = 3-1		
Note: [EOSIN FOCUS]	TGLs = 5-11		
Note: [HEPATOCLR ADEN]	TGLs = 4,5,6-1+11+12		
Lung			
Preputial Gland			
Note: [INFLAMMATION]	TGLs = 1-13		
Note: [DILATATION]	TGLs = 1-13		
Sem Ves			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287	TRT#: 7	SEX: Male	DAY ON TEST: 737
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 871647

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL
Note: ENGORGEMENT WITH SECRETION.

Spleen		Hematopoietic Cell Proliferation	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
	Incisor, Lower	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 288

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Intestine Small Note: [HYPERPLASIA] TGLs = 5-4	Jejunum, Lymphoid Tiss	Hyperplasia	Moderate
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-11			
Note: [HEPATOBLASTOMA] TGLs = 1-12			
Note: [HEPATOCLR ADEN] TGLs = 3,4-11+13			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
Thyroid Gland	Follicular Cel	Adenoma	
Note: [ADENOMA] TGLs = 6-2			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Moderate
Note: [ATROPHY] TGLs = 7-5			
Note: [DYSPLASIA] TGLs = 7-5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871648

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 289

TRT#: 7

SEX: Male

DAY ON TEST: 620

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	

Note: HEPATOCLR CARC TGLs = 2-11

Sem Ves

Note: ENGORGEMENT WITH SECRETION.

Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290	TRT#: 7	SEX: Male	DAY ON TEST: 17
	DOSE: 100 PPM	DISP: Natural Death	HISTO: 871650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Harderian Gland
Heart	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea			

MISSING

Lymph Node - Mesenteric	Mammary Gland	Pituitary Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Urinary Bladder

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291	TRT#: 9 DOSE: 175 PPM	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 458 HISTO: 871381
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: HEPATOCLR ADEN TGLs = 2-1			
Note: CLEAR CL FOCUS TGLs = 1-2			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292

TRT#: 9

SEX: Male

DAY ON TEST: 165

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Spleen
Thymus

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 293

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Intestine Large	Cecum	Adenocarcinoma	Metastatic (Intestine Large)
	Colon	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-11			
Intestine Small	Ileum	Adenocarcinoma	Metastatic (Intestine Large)
Note: ADENOCARCINOMA SEEMED TO ARISE IN THE COLON AND			
Note: SPREAD LOCALLY TO INVOLVE THE ILEAL, CECAL, COLIC			
Note: JUNCTION, AS WELL AS THE ASSOCIATED MESENTERY AND			
Note: MESENTERIC LYMPH NODE.			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Lymph Node	Mesenteric	Adenocarcinoma	Metastatic (Intestine Large)
Mesentery		Adenocarcinoma	Metastatic (Intestine Large)
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 294

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Epididymis		Granuloma Sperm	Mild
Kidney		Mineralization	Mild
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: [CLEAR CL FOCUS] TGLs = 3-1+2			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 4-2			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Pituitary Gland	Pars Distalis	Cyst	
Sem Ves			
Note: WNL HISTOMORPHOLOGICALL.ENLARGEMENT DUE TO			
Note: E4NGORGEMENT WITH SECRETION.			
Note: TGL#S1&2-NCL:SEMINAL VESICLES CONSIDERED TO BE			
Thymus		Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Ameloblast, Incisor	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294	TRT#: 9 DOSE: 175 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871384
ORGAN AND ACCOUNTABLE SITE STATUS			
	Dentine, Incisor	Dysplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 295

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-1+11+12			
Pituitary Gland	Pars Distalis	Cyst	
Sem Ves			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Skin	Subcut Tiss	Hemangiosarcoma	
Note: [HEMANGIOSARC] TGLs = 1-14			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 296

TRT#: 9

SEX: Male

DAY ON TEST: 386

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Skin
Thymus
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Salivary Glands
Stomach - Glandular
Tooth

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Testes
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Liver
Note: HEMANGIOSARC TGLs = 2-11
Mesentery
Spleen
Note: HEMA CELL PROL TGLs = 1-1

Hemangiosarcoma

Inflammation
Hematopoietic Cell Proliferation

Chronic Active, Marked
Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATIC HEMANGIOSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 297

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
Note: [CLEAR CL FOCUS] TGLs = 3-12			
Note: TGL#3:ONLY ONE FOCUS OBSERVED HISTOMORPHOLOGICALLY.			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Moderate
Note: [INFLAMMATION] TGLs = 1-11			
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Stomach	Forestomach	Diverticulum	Mild
Note: [DIVERTICULUM] TGLs = 4-13			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Ameloblast, Incisor	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 297	TRT#: 9 DOSE: 175 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871387
ORGAN AND ACCOUNTABLE SITE STATUS			
	Dentine, Incisor	Dysplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 298	TRT#: 9	SEX: Male	DAY ON TEST: 459
	DOSE: 175 PPM	DISP: Scheduled Sacrifice	HISTO: 871388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Liver		Vacuolization Cytoplasmic	Minimal
Pancreas	Acinus	Atrophy	Minimal
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-11			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299

TRT#: 9

SEX: Male

DAY ON TEST: 623

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Bone	Calvarium	Hyperostosis	Moderate
Note: [HYPEROSTOSIS] TGLs = 1-13			
Epididymis		Granuloma Sperm	Marked
Note: [HISTIO SARC] TGLs = 5,11-6			
Note: [GRANLOMA SPERM] TGLs = 5-6			
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 7-1			
Liver		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 6-1+2			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Preputial Gland	Duct	Atrophy	Marked
Note: DILATATION TGLs = 10-12			
Skin		Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Erosion	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299	TRT#: 9 DOSE: 175 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 623 HISTO: 871389
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: EROSION	TGLs = 9-11			
Testes		Seminif Tub	Degeneration	Marked
Note: DEGEN	TGLs = 4-6			
Tooth		Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Moderate Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HISTIOCYTIC SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300

TRT#: 9

SEX: Male

DAY ON TEST: 166

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Prostate
Skin
Testes
Urinary Bladder

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Salivary Glands
Spleen
Thymus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 301

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal G

Note: HISTOMORPHOLOGICAL EXAMINATION.

Note: ONLY ONE ADRENAL GLD AVAILABLE FOR

Bone

Intervert Disc

Degeneration

Mild

Islets, Pancreatic

Hyperplasia

Mild

Kidney

Mineralization

Minimal

Nephropathy

Chronic, Mild

Liver

Clear Cell Focus

Hepatocellular Adenoma

Multiple

Note: [HEPATOCLR ADEN] TGLs = 2,3,4,5-11+12+13+14

Lung

Alveolar/Bronchiolar Adenoma

Preputial Gland

Atrophy

Mild

Duct

Dilatation

Mild

Inflammation

Chronic Active, Moderate

Note: [DILATATION] TGLs = 8-15

Note: [INFLAMMATION] TGLs = 8-15

Sem Ves

Note: ENGORGEMENT WITH SECRETION.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301

TRT#: 9
DOSE: 175 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871391

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 302

TRT#: 9

SEX: Male

DAY ON TEST: 684

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spinal Cord	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
Lymph Node			
Note: TGL#4-NCL:MESENTERIC LYMPH NODE CONSIDERED TO			
Note: BE WNL HISTOMORPHOLOGICALLY.RED COLOR DUE TO			
Note: ENGORGEMENT WITH BLOOD.			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 6-13			
Skin	Subcut Tiss	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-14+18			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-11			
Stomach	Forestomach	Diverticulum	Moderate
Note: DIVERTICULUM TGLs = 5-15			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Minimal
	Incisor, Lower	Dysplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 302

TRT#: 9

SEX: Male

DAY ON TEST: 684

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871392

ORGAN AND ACCOUNTABLE SITE STATUS

Urin Bladder

Note: TGL#3-NCL:URINARY BLADDER CONSIDERED TO BE WNL

Note: HISTOMORPHOLOGICALLY.

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:REAR LEG PARALYSIS.

Animal Note: SUBCUTANEOUS HEMANGIOSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 303

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Intest Large			
Note: TGL#5-NCL:CECUM CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: [CLEAR CL FOCUS] TGLs = 3-12			
Note: [HEPATOCLR ADEN] TGLs = 3-12			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-13			
Sem Ves			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304	TRT#: 9	SEX: Male	DAY ON TEST: 459
	DOSE: 175 PPM	DISP: Scheduled Sacrifice	HISTO: 871394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
Liver	Clear Cell Focus	
	Vacuolization Cytoplasmic	Minimal
Lymph Node		

Note: MANDIBULAR LYMPH NODE IN BLOCK #3.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 305

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-1			
Lung		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	Histiocyte, Moderate
		Infiltration Cellular	
Note: [INFILTRAT CELL] TGLs = 5-2+12			
Note: [ALV BRON CARC] TGLs = 4-2+12			
Nose		Inflammation	Chronic Active, Mild
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: [DILATATION] TGLs = 2-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305

TRT#: 9
DOSE: 175 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 871395

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Mild
Note: [DYSPLASIA]	TGLs = 7-5		
Note: [ATROPHY]	TGLs = 7-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 306

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Mild

Note: [HEPATOCLR CARC] TGLs = 3-2

[Clear Cell Focus TGLS = 4-11]

Sem Ves

Note: TGL#S 1&2-NCL:SEMINAL VESICLES CONSIDERED TO BE

Note: WNL HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Note: ENGORGEMENT WITH SECRETION.

Tooth	Dentine, Incisor	Dysplasia	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 307

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Cartilage, Joint, Tibia	Degeneration	Mild
	Intervert Disc	Degeneration	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3-1			
Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 308

TRT#: 9

SEX: Male

DAY ON TEST: 719

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Epididymis		Atrophy	Marked
Kidney		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 4,5-12+13			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-11]			
Prostate		Atrophy	Marked
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#3-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Testes	Seminif Tub	Atrophy	Marked
[Atrophy TGLS = 2-6]			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 308

TRT#: 9

SEX: Male

DAY ON TEST: 719

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871398

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY:HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 309

TRT#: 9

SEX: Male

DAY ON TEST: 165

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Salivary Glands
Spleen
Thymus

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

MISSING

Pituitary Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 310

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Epididymis		Aspermia	
		Atrophy	Mild
Note: [ATROPHY] TGLs = 5-6			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4-1+2			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Testes	Seminif Tub	Degeneration	Marked
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871400

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 311

TRT#: 9

SEX: Male

DAY ON TEST: 721

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Bone	Cranium	Schwannoma Malignant	Metastatic (Brain)
Brain	Olfactory Lobe	Schwannoma Malignant	
Note: BRAIN LESION FOUND IN ANTERIOR PORTION OF BRAIN			
Note: SLIDE #5.			
Kidney		Mineralization	Minimal
		Necrosis	Coagulative, Mild
Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
Note: [HEPATOBLASTOMA] TGLs = 5-2			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 1,2-11			
Sem Ves			
Note: TGL#3-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Spleen		Atrophy	Moderate
Note: ATROPHY TGLs = 4-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311	TRT#: 9 DOSE: 175 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 721 HISTO: 871401
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ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Glandular	Erosion	Mild
Tooth	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:MAL SCHWANNOMA OF BRAIN.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 312

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland	Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN]	TGLs = 2-12		
Note: [HEPATOCLR CARC]	TGLs = 1-11		
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM]	TGLs = 3-13		
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 313

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-11			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 4-2			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 1-13			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 3-12			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 314

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Note: THEREFORE ONLY ONE ADRENAL GLD AVAILABLE FOR HISTOMORPHOLOGICAL EXAMINATION.			
Note: RIGHT ADRENAL REPORTED TO BE MISSING AT TRIM			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Necrosis	Coagulative, Minimal
		Vacuolization Cytoplasmic	Mild
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-11			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
Note: [DYSPLASIA] TGLs = 4-5			
Note: [ATROPHY] TGLs = 4-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314

TRT#: 9
DOSE: 175 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 871404

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 315

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Liver
Nose
Prostate
Spleen
Thymus

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization Nephropathy Dilatation	Minimal Chronic, Minimal Marked
Preputial Gland	Duct		
Note: [DILATATION] TGLs = 1-11			
Tooth	Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Moderate Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 316

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [CLEAR CL FOCUS] TGLs = 3-2			
Note: [HEPATOCLR ADEN] TGLs = 1,2-1+2			
Preputial Gland	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 4-11			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317	TRT#: 9	SEX: Male	DAY ON TEST: 459
	DOSE: 175 PPM	DISP: Scheduled Sacrifice	HISTO: 871407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Necrosis	Coagulative, Mild
		Vacuolization Cytoplasmic	Moderate
Note: HEPATOCLR ADEN TGLs = 2-1			
Seminal Vesicle		Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 1-6			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 318

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Mild

Note: [HEPATOCLR CARC] TGLs = 5-13

Note: [HEPATOCLR ADEN] TGLs = 3,6,8-1+2+12

Note: ISTOMORPHOLOGICALLY.

Note: [NECROSIS] TGLs = 6-2

Note: TGL#4-NCL:FOCUS,NOTED AT NECROPSY,NOT APPARENT

Note: [CLEAR CL FOCUS] TGLs = 6-2

Lung Alveolar/Bronchiolar Adenoma

Note: [ALV BRON ADEN] TGLs = 7-2

Sem Ves

Note: ENGORGEMENT WITH SECRETION.

Note: TGL#'S 1&2-NCL:SEMINAL VESICLES CONSIDERED TO BE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 9
DOSE: 175 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 871408

ORGAN AND ACCOUNTABLE SITE STATUS

Note: WNL HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

Tooth

Ameloblast, Incisor

Atrophy

Marked

Dentine, Incisor

Dysplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319	TRT#: 9	SEX: Male	DAY ON TEST: 731
	DOSE: 175 PPM	DISP: Terminal Sacrifice	HISTO: 871409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Moderate
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:19
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 320 **TRT#:** 9 **SEX:** Male **DAY ON TEST:** 732
DOSE: 175 PPM **DISP:** Terminal Sacrifice **HISTO:** 871410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy	Marked Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
Liver		Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Mild
<p>Note: [CLEAR CL FOCUS] TGLs = 2-1+11 Note: [HEPATOCLR ADEN] TGLs = 2-11</p>			
Lung		Alveolar/Bronchiolar Adenoma	
Sem Ves			
<p>Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO Note: ENGORGEMENT WITH SECRETION.</p>			
Tooth	Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Moderate Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 321

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Intervertebral Disc	Degeneration	Moderate
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
Note: TGL#2-NCL:DIFFUSE FOCI,NOTED AT NECROPSY, NOT APPARENT HISTOMORPHOLOGICALLY.			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Dentine, Incisor	Concretion	Minimal
	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 6-5			
Intestine Small	Duodenum	Polyp Adenomatous	
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN] TGLs = 3,4-12			
Note: [HEPATOCLR CARC] TGLs = 5-11			
Preputial Gland		Atrophy	Moderate
Note: [ATROPHY] TGLs = 1-14			
Stomach	Forestomach	Cyst Epithelial Inclusion	
Note: [CYST EPITH INC] TGLs = 2-13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 323

TRT#: 9

SEX: Male

DAY ON TEST: 166

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Spleen
Thymus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Gallbladder
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Brain
Heart
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Testes
Urinary Bladder

MISSING

Harderian Gland

Intestine Large - Rectum

Mammary Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 324

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy	Marked Mild
Bone	Thoracic, Vertebra	Osteosclerosis	Marked
Intestine Small	Jejunum, Lymphoid Tiss	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-13			
Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
Liver		Clear Cell Focus Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4,5,6,7,8-1+2+11+12			
Tooth	Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Moderate Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 325

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 2-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Moderate
Note: [ATROPHY] TGLs = 4-5			
Note: [DYSPLASIA] TGLs = 4-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 326

TRT#: 9

SEX: Male

DAY ON TEST: 488

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Mineralization	Minimal
Nose		Inflammation	Chronic Active, Mild
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: POSSIBLY DUE TO BROKEN TEETH.

Animal Note: CAUSE OF MORBIDITY:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 327

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-1			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
Note: [ATROPHY] TGLs = 3-5			
Note: [DYSPLASIA] TGLs = 3-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328

TRT#: 9

SEX: Male

DAY ON TEST: 165

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Salivary Glands
Spleen
Thymus

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

MISSING

Parathyroid Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 329

TRT#: 9

SEX: Male

DAY ON TEST: 714

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney		Mineralization	Mild
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCHOLCARC TGLs = 2-12			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
Note: DILATATION TGLs = 1-11			
Prostate		Atrophy	Marked
Testes	Seminif Tub	Atrophy	Marked
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Minimal
	Dentine, Incisor	Necrosis	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 330

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-1			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 1-11			
Lymph Node			
Note: TGL#3-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE			
Note: WNL HISTOMORPHOLOGICALLY.RED COLOR DUE TO			
Note: ENGORGEMENT WITH BLOOD.			
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 5-12			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 331

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: TGL#1-NCL:LIVER NODULE SEEN AT NECROPSY,NOT			
Note: [HEPATOCLR ADEN] TGLs = 2-11			
Note: [CLEAR CL FOCUS] TGLs = 2-11			
Note: APPARENT HISTOMORPHOLOGICALLY.			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332

TRT#: 9

SEX: Male

DAY ON TEST: 166

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Spleen
Thymus

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 333

TRT#: 9

SEX: Male

DAY ON TEST: 165

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Spleen
Thymus

Bone Marrow
Gallbladder
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Brain
Harderian Gland
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

MISSING

Intestine Large - Rectum

Mammary Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 334	TRT#: 9	SEX: Male	DAY ON TEST: 459
	DOSE: 175 PPM	DISP: Scheduled Sacrifice	HISTO: 871424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-2			
Tooth	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 335

TRT#: 9

SEX: Male

DAY ON TEST: 273

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Liver		Vacuolization Cytoplasmic	Mild
Thymus	Thymocyte	Necrosis	Marked
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 336

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone	Cartilage, Humerus, Joint	Hyperplasia	Focal, Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 2-2			
Preputial Gland	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-11			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Mild
	Incisor, Lower	Dysplasia	Moderate
Note: [DYSPLASIA] TGLs = 3-5			
Note: [ATROPHY] TGLs = 3-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 337

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [CLEAR CL FOCUS] TGLs = 4-13			
Note: [HEPATOCLR ADEN] TGLs = 1,2,3-1+11+12			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 338

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Adenoma Hypertrophy Mineralization Nephropathy Clear Cell Focus Vacuolization Cytoplasmic	Mild Minimal Chronic, Mild Mild
Kidney			
Liver			
Note: [VACUOLIZ CYTO] TGLs = 1,2-1+2			
Lung		Alveolar/Bronchiolar Adenoma Thrombosis	Multiple
Note: [ALV BRON ADEN] TGLs = 4,5-11+12			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#3-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECTRETION.			
Tooth	Ameloblast, Incisor Dentine, Incisor	Atrophy Dysplasia	Moderate Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 339

TRT#: 9

SEX: Male

DAY ON TEST: 458

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Kidney	Nephropathy	Chronic, Mild
Liver	Vacuolization Cytoplasmic	Minimal
Sem Ves		
Note: HISTOPATHOLOGICALLY. ENLARGEMENT,NOTED AT NECROPSY,		
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL		
Note: PROBABLY DUE TO ENGORGEMENT WITH SECRETION.		
Stomach		
Note: TGL#2-NCL:DIVERTICULA,NOTED AT NECROPSY,NOT APPARENT		
Note: HISTOPATHOLOGICALLY.		
Tooth	Dentine, Incisor	Dysplasia
		Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 340

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-12			
Preputial Gland	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-11			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate
	Incisor, Lower	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:19
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 341 **TRT#:** 9 **SEX:** Male **DAY ON TEST:** 732
DOSE: 175 PPM **DISP:** Terminal Sacrifice **HISTO:** 871431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mineralization	Minimal
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-1+2+11			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-12			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871431

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342

TRT#: 9

SEX: Male

DAY ON TEST: 166

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Spleen
Thymus

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

MISSING

Harderian Gland

Mammary Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343 **TRT#:** 9 **SEX:** Male **DAY ON TEST:** 527
DOSE: 175 PPM **DISP:** Natural Death **HISTO:** 871433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Penis
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Mineralization	Minimal
Penis			
Note: TGL#3-NCL:PENIS CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: DILATATION TGLs = 1-11			
Sem Ves			
Note: TGL#6-NCL:EPIDIDYMIS CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Spleen		Atrophy	Moderate
Note: [ATROPHY] TGLs = 7-1			
Stomach			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#8-NCL:GLANDULAR STOMACH CONSIDERED TO BE WNL			
Testes			
Note: HISTOMORPHOLOGICALLY.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343	TRT#: 9 DOSE: 175 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 527 HISTO: 871433
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#2-NCL:TESTES CONSIDERED TO BE WNL

Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Minimal
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:19
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 344 TRT#: 9 SEX: Male DAY ON TEST: 732
 DOSE: 175 PPM DISP: Terminal Sacrifice HISTO: 871434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Harderian Gland Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Bone	Cartilage, Joint, Tibia	Degeneration	Marked
Islets, Pancreatic		Adenoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN] TGLs = 1-11 Note: [CLEAR CL FOCUS] TGLs = 3-12 Note: [HEPATOCLR CARC] TGLs = 2-2			
Lung	Alveolar Epith	Hyperplasia	Mild
Stomach			
Note: TGL#4-NCL;NODULE,NOTED AT TRIM,NOT APPARENT Note: HISTOMORPHOLOGICALLY.			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344

TRT#: 9
DOSE: 175 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 871434

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 345

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Necrosis	Coagulative, Marked
Note: [HEPATOCLR ADEN] TGLs = 4-1			
Note: [NECROSIS] TGLs = 3-11			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 5-13			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-12			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Ameloblast, Incisor	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 345

TRT#: 9
DOSE: 175 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871435

ORGAN AND ACCOUNTABLE SITE STATUS

Dentine, Incisor
Dentine, Incisor

Dysplasia
Necrosis

Moderate
Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 346

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland	Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLER ADEN] TGLs = 5,6,7-11+12+13			
Lung		Mineralization	Mild
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-14			
Sem Ves			
Note: WNL HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#'S 2&3-NCL:SEMINAL VESICLES CONSIDERED TO BE			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 347

TRT#: 9

SEX: Male

DAY ON TEST: 458

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Harderian Gland		Adenoma	
Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Moderate
Note: HEPATOCLR ADEN TGLs = 6-1			
Note: CLEAR CL FOCUS TGLs = 2,3,4,5-11			
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-12			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 348

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Prostate
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OBSERVATIONS

Bone	Thoracic, Vertebra	Osteosclerosis	Marked
Bone Marrow	Femoral	Hemangiosarcoma	Metastatic (Spleen)
Heart		Hemangiosarcoma	Metastatic (Spleen)
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hemangiosarcoma	Metastatic (Spleen)
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 5-12			
Note: [HEMANGIOSARC] TGLs = 2,3,4,5-1+2+11+12+13			
Spleen		Hemangiosarcoma	
Note: [HEMANGIOSARC] TGLs = 1-1			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 349

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Vacuolization Cytoplasmic	Mild
Note: [CLEAR CL FOCUS] TGLs = 3-11			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-12			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Thymus		Hyperplasia	Lymphoid, Marked
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 350

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild

Note: [CLEAR CL FOCUS] TGLs = 4-11

Note: [HEPATOCLR ADEN] TGLs = 2,3,4-11+12

Sem Ves

Note: ENGORGEMENT WITH SECRETION.

Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Thymus		Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 351

TRT#: 9

SEX: Male

DAY ON TEST: 714

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-12			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Marked
Note: DILATATION TGLs = 1-11			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Incisor, Lower	Dysplasia	Moderate
Note: [DYSPLASIA] TGLs = 4-13			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 352

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Adenoma Hypertrophy Mineralization Nephropathy Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma	Mild Minimal Chronic, Mild
Kidney			
Liver			
Note: [EOSIN FOCUS] TGLs = 4-15 Note: [HEPATOCLR ADEN] TGLs = 2-12 Note: [CLEAR CL FOCUS] TGLs = 3,4-13+14			
Lung		Inflammation	Chronic Active, Mild
Preputial Gland		Atrophy Dilatation	Mild Moderate
Note: [DILATATION] TGLs = 1-11			
Tooth	Ameloblast, Incisor Dentine, Incisor Incisor, Peridont Tiss	Atrophy Dysplasia Inflammation	Moderate Moderate Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871442

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 353

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Tooth	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Bone	Thoracic, Vertebra	Osteosclerosis	Marked
	Tibia	Osteosclerosis	Mild
Ear		Fibrosarcoma	
Note: [FIBROSARC] TGLs = 1-11			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-2			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 5-13			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Moderate
Note: [DILATATION] TGLs = 2-12			
Sem Ves			
Note: TGL#3-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 9
DOSE: 175 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871443

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO
Note: ENGORGEMENT WITH SECRETION.

Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354

TRT#: 9

SEX: Male

DAY ON TEST: 458

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
Note: HEPATOCLR ADEN TGLs = 1-11			
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 355

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Capsule, Cortex Cortex	Hyperplasia Hypertrophy	Marked Mild
Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
Liver		Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Multiple Mild
Note: [HEPATOCLR ADEN] TGLs = 1,2,3-1+11+12			
Preputial GI			
Note: TGL#4-NCL:FOCUS,NOTED AT TRIM, NOT APPARENT			
Note: HISTOMORPHOLOGICALLY.			
Thymus		Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 356

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Bone Marrow	Femoral	Histiocytic Sarcoma	
	Femoral	Necrosis	Coagulative, Marked
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3-1+2			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 4-11			
Lymph Node			
Note: WNL HISTOMORPHOLOGICALLY.RED CCOLOR DUE TO			
Note: TGL#5-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE			
Note: ENGORGEMENT WITH BLOOD.			
Preputial GI			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#6-NCL:FOCUS,NOTED AT TRIM,NOT APPARENT			
Prostate		Inflammation	Chronic Active, Moderate
Sem Ves			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 356

TRT#: 9
DOSE: 175 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 871446

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
	Incisor, Lower	Dysplasia	Moderate

Note: [DYSPLASIA] TGLs = 8-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 357

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4-11+12+13			
Preputial GI			
Note: TGL#5-NCL:FOCUS,NOTED AT TRIM,NOT APPARENT			
Note: HISTOMORPHOLOGICALLY.			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Stomach	Glandular	Mineralization	Mild
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358

TRT#: 9

SEX: Male

DAY ON TEST: 166

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Prostate
Skin
Testes
Urinary Bladder

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Salivary Glands
Spleen
Thymus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 359

TRT#: 9

SEX: Male

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
Note: [HEPATOCLER ADEN] TGLs = 4-12			
Note: [HEPATOBLASTOMA] TGLs = 5-13			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Marked
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Note: TGL#'S 2&3-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359	TRT#: 9 DOSE: 175 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 871449
ORGAN AND ACCOUNTABLE SITE STATUS			
	Incisor, Lower	Dysplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 360

TRT#: 9

SEX: Male

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4,5-2+11+12			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-13			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 6-6			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 9

SEX: Male

DAY ON TEST: 705

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Heart		Hepatoblastoma	Metastatic (Liver)
Kidney		Hepatoblastoma	Metastatic (Liver)
Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2,3-1+11			
Lung		Hepatoblastoma	Metastatic (Liver)
Note: [HEPATOBLASTOMA] TGLs = 1-2			
Lymph Node	Mediastinal	Hepatoblastoma	Metastatic (Liver)
	Pancreatic	Hepatoblastoma	Metastatic (Liver)
	Renal	Hepatoblastoma	Metastatic (Liver)
Note: [HEPATOBLASTOMA] TGLs = 7-7			
Note: [HEPATOBLASTOMA] TGLs = 7-7			
Note: [HEPATOBLASTOMA] TGLs = 7-7			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Sem Ves			
Note: TGL#8-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Skeletal Muscle		Hepatoblastoma	Metastatic (Liver)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361	TRT#: 9	SEX: Male	DAY ON TEST: 705
	DOSE: 175 PPM	DISP: Natural Death	HISTO: 871451

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HEPATOBLASTOMA] TGLs = 4-12

Note: HEPATOCHOLCARC TGLs = 4-12

Thymus		Hepatoblastoma	Metastatic (Liver)
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCINOMA WITH MULTIPLE METASTASES.

Animal Note: CAUSE OF DEATH:HEPATOBLASTOMA AND HEPATOCELLULAR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362

TRT#: 9

SEX: Male

DAY ON TEST: 529

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney	Mineralization	Minimal
Liver	Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 6-13		
Lung	Leukocytosis	
Mesentery		
Note: TGL#6:MASS,NOTED AT NECROPSY,IS LIVER LOBE		
Note: WITH HEPATOCELLULAR CARCINOMA HISTOMORPHOLOGICALLY.		
Pancreas		
Note: TGL#5-NCL:PANCREAS IS AUTOLYTIC BUT OTHERWISE		
Note: CONSIDERED TO BE WNL HISTOMORPHOLOGICALLY.		
Preputial Gland	Atrophy	Marked
	Dilatation	Marked
	Inflammation	Chronic Active, Moderate
Note: DILATATION TGLs = 2-12		
Sem Ves		
Note: TGL#4-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL		
Note: HISTOMORPHOLOGICALLY.		
Testes		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 362

TRT#: 9

SEX: Male

DAY ON TEST: 529

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871452

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.

Note: TGL#3-NCL:TESTES CONSIDERED TO BE WNL

Tooth

Ameloblast, Incisor

Atrophy

Marked

Dentine, Incisor

Dysplasia

Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 363

TRT#: 9

SEX: Male

DAY ON TEST: 609

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow	Femoral	Hemangiosarcoma	Metastatic (Liver)
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hemangiosarcoma	Multiple
		Hepatocellular Adenoma	Multiple
Note: HEMANGIOSARC TGLs = 2,3,4,5,9-1+2+12			
Note: HEPATOCLR ADEN TGLs = 9,10,11-1+12+13			
Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Marked
Note: DILATATION TGLs = 7-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Spleen		Hemangiosarcoma	Metastatic (Liver)
Note: HEMANGIOSARC TGLs = 8-1			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 363

TRT#: 9

SEX: Male

DAY ON TEST: 609

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871453

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATIC HEMANGIOSARCOMA WITH METSTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364	TRT#: 9 DOSE: 175 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 871454
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Epididymis		Granuloma Sperm	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-1+2			
Note: [CLEAR CL FOCUS] TGLs = 3-1+2			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 9

SEX: Male

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871454

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 365

TRT#: 9

SEX: Male

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,2,3-11+12			
Note: [CLEAR CL FOCUS] TGLs = 3-12			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 4-2			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 366

TRT#: 9

SEX: Male

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [CLEAR CL FOCUS] TGLs = 1,5-2+11			
Note: [HEPATOCLR ADEN] TGLs = 2,4,5-1+11			
Lymph Node			
Note: WNL HISTOMORPHOLOGICALLY.RED COLOR DUE TO			
Note: ENGORGEMENT WITH BLOOD.			
Note: TGL##-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE			
Stomach	Glandular	Mineralization	Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 367

TRT#: 9

SEX: Male

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone	Intervert Disc	Degeneration	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild

Note: [CLEAR CL FOCUS] TGLs = 4-11

Note: [EOSIN FOCUS] TGLs = 5-12

Note: [HEPATOCLR ADEN] TGLs = 1,2,3,5,6,7,8,9-

Note: [HEPATOCLR ADEN] TGLs = 1+11+12+13+14+15+16

Preputial GI

Note: HISTOMORPHOLOGICALLY.PIGMENT,NOTED AT TRIM,NOT

Note: TGL#10-NCL:PREPUTIAL GLS CONSIDERED TO BE WNL

Note: APPARENT HISTOLOGICALLY.

Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 367

TRT#: 9

SEX: Male

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871457

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368	TRT#: 9	SEX: Male	DAY ON TEST: 736
	DOSE: 175 PPM	DISP: Terminal Sacrifice	HISTO: 871458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Brain	Epididymis	Mammary Gland	Testes
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-11			
Note: [HEPATOCLR ADEN] TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Moderate
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 369

TRT#: 9

SEX: Male

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [EOSIN FOCUS] TGLs = 6-1			
Note: [HEPATOCLR ADEN] TGLs = 4,5-2			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-12			
Sem Ves			
Note: TGL#S 2&3-NCL:SEMINAL VESICLES CONSIDERED TO BE			
Note: ENGORGEMENT WITH SECRETION.			
Note: WNL HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369

TRT#: 9

SEX: Male

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871459

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 370

TRT#: 9

SEX: Male

DAY ON TEST: 459

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Spleen
Thymus

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney
Liver

Nephropathy
Clear Cell Focus
Vacuolization Cytoplasmic

Chronic, Minimal
Moderate

Note: CLEAR CL FOCUS TGLs = 1,2-11

Tooth

Dentine, Incisor

Dysplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 371	TRT#: 9	SEX: Male	DAY ON TEST: 736
	DOSE: 175 PPM	DISP: Terminal Sacrifice	HISTO: 871461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
		Eosinophilic Focus	
Liver			
Note: [EOSIN FOCUS] TGLs = 3-12			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: [ALV BRON ADEN] TGLs = 4,5-2			
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY. ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372 **TRT#:** 9 **SEX:** Male **DAY ON TEST:** 736
DOSE: 175 PPM **DISP:** Terminal Sacrifice **HISTO:** 871462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland Mammary Gland

OBSERVATIONS

Blood Vessel	Aorta	Inflammation	Chronic Active, Moderate
Bone	Intervert Disc	Degeneration	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,2,3,5-1+12+13+14			
Note: [CLEAR CL FOCUS] TGLs = 3-2+13			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 4-11			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: [DILATATION] TGLs = 6-15			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 373

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Bone	Intervertebral Disc	Degeneration	Mild
Harderian Gland		Adenocarcinoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 2,3,5-1+11+13			
Lymph Node	Inguinal	Hyperplasia	Plasma Cell, Moderate
Note: [HYPERPLASIA] TGLs = 4-6			
Preputial Gland		Inflammation	Chronic Active, Marked
Note: [INFLAMMATION] TGLs = 1-12			
Thyroid Gland		Ultimobranchial Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 374

TRT#: 9

SEX: Male

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-1			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: [DILATATION] TGLs = 1-11			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 375

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney	Pelvis	Bacterium Inflammation Mineralization	Chronic Active, Moderate Minimal
Liver		Hemangiosarcoma Hepatocellular Adenoma Hepatocellular Carcinoma	
Note: [HEMANGIOSARC] TGLs = 4,5-1+2 Note: [HEPATOCLR CARC] TGLs = 4,5-1+2			
Lung		Hemangiosarcoma Hepatocellular Carcinoma Inflammation	Metastatic (Liver) Metastatic (Liver) Chronic Active, Moderate
Lymph Node	Mesenteric		
Note: [INFLAMMATION] TGLs = 3-4			
Preputial Gland	Duct	Atrophy Dilatation Inflammation	Mild Moderate Chronic Active, Mild
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL Note: ENGORGEMENT WITH SECRETION.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 375

TRT#: 9
DOSE: 175 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871465

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Spleen		Hematopoietic Cell Proliferation	Moderate
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 376

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland	Stomach - Forestomach
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [CLEAR CL FOCUS] TGLs = 4,5,6-1+2+12			
Note: [HEPATOCLR ADEN] TGLs = 3,6-1+12			
Preputial Gland	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Stomach	Glandular	Mineralization	Minimal
Thyroid Gland		Inflammation	Chronic Active, Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377

TRT#: 9

SEX: Male

DAY ON TEST: 166

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Spleen
Thymus

Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378

TRT#: 9

SEX: Male

DAY ON TEST: 593

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Blood Vessel Note: ALV BRON CARC TGLs = 5-14	Aorta	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-13			
Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 4-2			
Lymph Node	Bronchial	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: TGL#6-NCL:MEDIASTINAL LYMPH NODE CONSIDERED TO			
Note: BE WNL HISTOMORPHOLOGICALLY.			
Preputial Gland		Atrophy	Marked
	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 378

TRT#: 9

SEX: Male

DAY ON TEST: 593

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871468

ORGAN AND ACCOUNTABLE SITE STATUS

Note: DILATATION TGLs = 1-11

Sem Ves

Note: TGL#2-NCL:SEMINAL VESICCLES CONSIDERED TO BE WNL

Note: ENGORGEMENT WITH SECRETION.

Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Tooth

Ameloblast, Incisor

Atrophy

Marked

Dentine, Incisor

Dysplasia

Moderate

Incisor, Lower

Dysplasia

Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:PULMONARY ALV-BRONCH CARINOMA;

Animal Note: HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 379

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Tooth	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Bone	Cartilage, Rib	Degeneration	Moderate
Note: [DEGEN] TGLs = 10-15			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [VACUOLIZ CYTO] TGLs = 9-12			
Note: [HEPATOCLR ADEN] TGLs = 4,5,6,7,8,11-12+13+14			
Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Mild
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-11			
Sem Ves			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 379

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871469

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#'S 2&3-NCL:SEMINAL VESICLES CONSIDERED TO BE

Note: ENGORGEMENT WITH SECRETION.

Note: WNL HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO

Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 380

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 2,4,8,9,10-11+13+16+17+18			
Note: [CLEAR CL FOCUS] TGLs = 3,5,6-2+12+14			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Preputial GI			
Note: TGL#7-NCL:PREPUTIAL GLDS CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Sem Ves			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDEREED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380	TRT#: 9 DOSE: 175 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO: 871470
ORGAN AND ACCOUNTABLE SITE STATUS			
Tooth	Dentine, Incisor	Dysplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 381

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 3,4,5,6-1+2+12+13			
Note: [CLEAR CL FOCUS] TGLs = 7-14			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-11			
Sem Ves			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: ENGORGEMENT WITH SECRETION.			
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 382

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Epididymis		Aspermia	Moderate
		Granuloma Sperm	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Testes	Seminif Tub	Degeneration	Mild
Thymus		Cyst	
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked
	Incisor, Lower	Dysplasia	Marked

Note: [ATROPHY] TGLs = 2-5

Note: [DYSPLASIA] TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 383

TRT#: 9

SEX: Male

DAY ON TEST: 691

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Kidney		Mineralization	Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 4-12		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 3-2		
Preputial Gland		Atrophy	Marked
		Inflammation	Chronic Active, Mild
Note: INFLAMMATION	TGLs = 2-13		
Skin		Squamous Cell Papilloma	
Note: SQ CL PAPILOM	TGLs = 1-11		
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384	TRT#: 9	SEX: Male	DAY ON TEST: 737
	DOSE: 175 PPM	DISP: Terminal Sacrifice	HISTO: 871474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Adenoma	
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-11			
Note: [CLEAR CL FOCUS] TGLs = 1-11			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385	TRT#: 9	SEX: Male	DAY ON TEST: 458
	DOSE: 175 PPM	DISP: Scheduled Sacrifice	HISTO: 871475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
Tooth	Dentine, Incisor	Dysplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Moderate
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 2-2			
Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: [DILATATION] TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Mineralization	Minimal
Thyroid Gland	Follicle	Cyst	
Tooth	Dentine, Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:19

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 387

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Capsule, Cortex	Hyperplasia	Marked
	Cortex	Hypertrophy	Mild
Bone	Cartilage, Rib	Degeneration	Moderate
Note: [DEGEN] TGLs = 7-14			
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-1+12+13			
Note: [CLEAR CL FOCUS] TGLs = 1,2,6-11+12+13			
Lung		Inflammation	Chronic Active, Mild
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388 **TRT#:** 9 **SEX:** Male **DAY ON TEST:** 729
DOSE: 175 PPM **DISP:** Terminal Sacrifice **HISTO:** 871478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Marked
Epididymis		Inflammation	Chronic Active, Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 4-11			
Note: [CLEAR CL FOCUS] TGLs = 3-1			
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-12			
Sem Ves			
Note: ENGORGEMENT WITH SECRETION.			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: TGL#2-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:19
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871478

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 389

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell Cortex	Hyperplasia Hypertrophy	Marked Mild
Gallbladder Note: GALLBLADDER IN B12.			
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Cyst Mineralization Nephropathy	Minimal Chronic, Mild
Liver Note: [CLEAR CL FOCUS] TGLs = 4-12 Note: [HEPATOCLR ADEN] TGLs = 3-12		Clear Cell Focus Hepatocellular Adenoma	
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland	Duct	Dilatation Inflammation	Moderate Chronic Active, Marked
Note: [INFLAMMATION] TGLs = 1,2-11 Note: [DILATATION] TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Mild
Tooth	Ameloblast, Incisor	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 9
DOSE: 175 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871479

ORGAN AND ACCOUNTABLE SITE STATUS

Dentine, Incisor
Incisor, Lower

Dysplasia
Dysplasia

Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 390

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3,4-12+13			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 2-11			
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Atrophy	Mild
	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 5-14			
Sem Ves			
Note: TGL#1-NCL:SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.ENLARGEMENT DUE TO			
Note: ENGORGEMENT WITH SECRETION.			
Tooth	Dentine, Incisor	Dysplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871480

ORGAN AND ACCOUNTABLE SITE STATUS

Urin Bladder

Note: UNINARY BLADDER IN B04.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 391

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN]			
TGLs = 5,6,7-13+14			
Note: [HEPATOCLR CARC]			
TGLs = 4-12			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD]			
TGLs = 8,9,10-6+7+11+16			
Ovary		Atrophy	Marked
		Cyst	
Note: [CYST]			
TGLs = 11-6			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD]			
TGLs = 1,2,3-1			
Stomach	Forestomach	Acanthosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 391

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871181

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ACANTHOSIS] TGLs = 12-15

Tooth Dentine, Incisor

Dysplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 392	TRT#: 2	SEX: Female	DAY ON TEST: 459
	DOSE: 0 PPM	DISP: Scheduled Sacrifice	HISTO: 871182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-1			
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 393

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 871183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Moderate
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4,5-1+11			
Ovary		Atrophy	Marked
		Cyst	
Note: ONLY ONE OVARY AVAILABLE FOR HISTOMORPHOLOGICAL EXAMINATION.			
Note: [CYST] TGLs = 1-6			
Pituitary Gland	Pars Distalis	Cyst	
Note: [CYST] TGLs = 6-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Dilatation	Marked
		Hemangioma	
		Hyperplasia	Cystic, Glandular, Mild
Note: [DILATATION] TGLs = 2-6			
Note: [HEMANGIOMA] TGLs = 3-12			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871183

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,5-12+13			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 1-11			
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 2-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-7			
Spleen		Hyperplasia	Lymphoid, Mild
Stomach	Glandular	Hyperplasia	Mild
Note: [HYPERPLASIA] TGLs = 6-14			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871184

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-12			
Ovary		Atrophy	Marked
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 396

TRT#: 2

SEX: Female

DAY ON TEST: 657

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Harderian Gland

INSUFFICIENT TISSUE

Ovary

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Brain		Compression	
		Hydrocephalus	Moderate
Kidney		Mineralization	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397

TRT#: 2

SEX: Female

DAY ON TEST: 459

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Tooth

Trachea

Urinary Bladder

OBSERVATIONS

Ovary

Note: ONLY ONE OVARY AVAILABLE FOR HISTOPATHOLOGICAL EXAM.

Uterus

Hyperplasia

Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 398

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-2			
Lung		Inflammation	Chronic Active, Mild
Ovary		Atrophy	Mild
Tooth	Dentine, Incisor	Dysplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 399

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone	Femur, Synovial Tiss	Sarcoma	
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,3-2+11			
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
Ovary		Atrophy	Mild
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Mild

Note: [DILATATION] TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 871190
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea			

MISSING

Harderian Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Bone	Humerus	Hemangiosarcoma	
Bone Marrow	Femoral	Hemangiosarcoma	
	Femoral	Histiocytic Sarcoma	
	Tibia	Histiocytic Sarcoma	
Gallbladder			
Note: GALLBLADDER IN B013.			
Kidney		Histiocytic Sarcoma	
		Mineralization	Minimal
Liver		Hepatocellular Adenoma	Multiple
		Histiocytic Sarcoma	
Note: [HEPATOCLR ADEN] TGLs = 3,4,7-11+12+13			
Note: [HISTIO SARC] TGLs = 8-13			
Lung		Alveolar/Bronchiolar Adenoma	
		Histiocytic Sarcoma	
Note: [ALV BRON ADEN] TGLs = 5-14			
Lymph Node	Mandibular	Histiocytic Sarcoma	
	Mesenteric	Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 6-15			
Ovary		Atrophy	Mild
		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 871190
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: ONLY ONE OVARY AVAILABLE FOR
Note: HISTOMORPHOLOGICAL EXAMINATION.

Pancreas		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 9-16			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 2-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Histiocytic Sarcoma	
Uterus		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 401	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 871191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Cyst	
		Eosinophilic Focus	
Note: [CYST] TGLs = 1-11			
Lung		Inflammation	Chronic Active, Minimal
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 402

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular

Brain
Heart
Intestine Small - Duodenum
Liver
Mammary Gland
Salivary Glands
Thymus

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Skin
Trachea

OBSERVATIONS

Bone
Bone Marrow

Kidney

Ovary
Pituitary Gland
Spleen
Thyroid Gland
Tooth
Uterus

Intervert Disc
Maxilla
Thoracic, Vertebra

Pars Distalis

Follicular Cel
Dentine, Incisor

Degeneration
Myelofibrosis
Myelofibrosis
Mineralization
Nephropathy
Atrophy
Adenoma
Hyperplasia
Hyperplasia
Dysplasia
Dilatation
Hyperplasia

Mild
Mild
Mild
Minimal
Chronic, Minimal
Mild

Lymphoid, Mild
Mild
Minimal
Moderate
Cystic, Glandular, Moderate

Note: [DILATATION] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 403	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: 458 HISTO: 871193
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Mild
Liver		Eosinophilic Focus	
Note: EOSIN FOCUS TGLs = 2-11			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: HYPERPLASIA TGLs = 1-12			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 404

TRT#: 2

SEX: Female

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 405

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral Thoracic, Vertebra	Myelofibrosis Myelofibrosis Mineralization Nephropathy	Minimal Moderate Minimal Chronic, Minimal
Liver		Eosinophilic Focus Hepatocellular Adenoma	Multiple
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 406	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 670 HISTO: 871196
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Intestine Small	Duodenum	Fibrosarcoma	Metastatic (Skin)
Kidney		Fibrosarcoma	Metastatic (Skin)
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 5-12		
Note: HEPATOCLR ADEN	TGLs = 5-12		
Mesentery		Fibrosarcoma	Metastatic (Skin)
		Inflammation	Necrotizing, Marked
Note: FIBROSARC	TGLs = 4-13		
Note: INFLAMMATION	TGLs = 4-11		
Ovary		Atrophy	Marked
		Cyst	
		Fibrosarcoma	Metastatic (Skin)
		Mineralization	Moderate
Pancreas		Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC	TGLs = 6-11		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 1,3-14+15		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 406	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 670 HISTO: 871196
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Adenoma	
Note: ADENOMA	TGLs = 7-2		
Uterus		Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:CUTANEOUS FIBROSARCOMA

Animal Note: WITH MULTIPLE METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 407

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland	Lymph Node - Mandibular
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OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-12			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 2-11			
Ovary		Atrophy	Moderate
Spleen		Hyperplasia	Lymphoid, Mild
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 408

TRT#: 2

SEX: Female

DAY ON TEST: 165

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 409	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: 459 HISTO: 871199
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 410

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 871200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hypertrophy	Mild
Bone	Maxilla	Adenocarcinoma	Metastatic (Harderian Gland)
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Eye		Inflammation	Chronic Active, Mild
Note: SEEN INVOLVING THIS EYE (RIGHT) IS THE CAUSE OF			
Note: UNABLE TO CONFIRM THIS ASSUMPTION.			
Note: THE OPACITY NOTED AT NECROPSY. A CATARACT MAY			
Note: HAVE BEEN PRESENT, BUT SINCE THE LENS WAS LOST			
Note: DURING TRIM/PROCESSING AND/OR SECTIONING I AM			
Note: TGL#2-NCL:I DO NOT BELIEVE THAT THE INFLAMMATION			
Harderian Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-5			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-12			
Lung		Adenocarcinoma	Metastatic (Harderian Gland)
Note: [ADENOCARC] TGLs = 5-2			
Nose		Adenocarcinoma	Metastatic (Harderian Gland)
	Nasolacrim Dct	Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 410

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 871200

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary	Atrophy	Moderate
Spleen	Cyst	Moderate
Note: [HEMA CELL PROL] TGLs = 3-1	Hematopoietic Cell Proliferation	
Uterus	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 411

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone	Intervert Disc	Degeneration	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 3-12			
Note: [HEPATOCLR ADEN] TGLs = 4,5,6,7,8-1+13+14+15+16			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 1-11			
Ovary		Atrophy	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Moderate

Note: [DILATATION] TGLs = 2-6

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 412

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 871202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
	Humerus	Osteosclerosis	Mild
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 2-11			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-7			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 4-12			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Urin Bladder			
Note: URINARY BLADDER IN B04.			
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: [HYPERPLASIA] TGLs = 1-6			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 412

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 871202

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 413

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 871203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea

MISSING

Harderian Gland

OBSERVATIONS

Adrenal G

Note: HISTOMORPHOLOGICAL EXAMINATION.

Note: ONLY ONE ADRENAL GLD AVAILABLE FOR

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild

Kidney

Note: [LYMPH MAL MIXD] TGLs = 3-1

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Lymphoma Malignant Mixed	

Note: [HEPATOCLR ADEN] TGLs = 7-13

Note: [HEPATOCLR CARC] TGLs = 4-12

Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	

Note: MANDIBULAR LYMPH NODE IN B03.

Note: [LYMPH MAL MIXD] TGLs = 2,5,6-14+15+16

Mesentery		Lymphoma Malignant Mixed	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 413

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 871203

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary	Atrophy	Mild
Pancreas	Lymphoma Malignant Mixed	
Salivary Glands	Lymphoma Malignant Mixed	
Spleen	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-11		
Thymus	Lymphoma Malignant Mixed	
Urinary Bladder	Lymphoma Malignant Mixed	
Uterus	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 414	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 871204
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral Thoracic, Vertebra	Myelofibrosis Myelofibrosis Mineralization Nephropathy Eosinophilic Focus Hepatocellular Adenoma	Minimal Mild Minimal Chronic, Minimal
Liver			
Note: [HEPATOCLR ADEN] TGLs = 3-12			
Lung	Mediastinum	Fibrosarcoma	Metastatic (Skin)
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Mesentery			
Note: TGL#1-NST:MESENTERIC MASS,NOTED AT NECROPSY, Note: REPORTED TO BE MISSING AT TRIM.			
Ovary		Atrophy	Marked
Pituitary Gland	Pars Distalis	Cyst	
Skin	Subcut Tiss	Fibrosarcoma	
Note: [FIBROSARC] TGLs = 2-11			
Spleen		Hematopoietic Cell Proliferation	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 415

TRT#: 2

SEX: Female

DAY ON TEST: 459

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild
		Polyp Stromal	

Note: HYPERPLASIA TGLs = 2-11

Note: POLYP STROMAL TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 416

TRT#: 2

SEX: Female

DAY ON TEST: 165

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 417

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2-12			
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 418

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 871208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Lung
Parathyroid Gland
Thyroid Gland

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Mammary Gland
Salivary Glands
Tooth

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Stomach - Forestomach
Trachea

Esophagus
Intestine Large - Colon
Islets, Pancreatic
Pancreas
Stomach - Glandular
Urinary Bladder

MISSING

Harderian Gland

Lymph Node - Mandibular

Thymus

OBSERVATIONS

Bone
Note: [OSTEOMA] TGLs = 2-17

Intervert Disc
Rib

Degeneration
Osteoma

Moderate

Bone Marrow
Intestine Small
Note: [LYMPH MAL UNDF] TGLs = 8-11

Humerus
Thoracic, Vertebra
Tibia
Jejunum, Lymphoid Tiss

Myelofibrosis
Myelofibrosis
Myelofibrosis
Lymphoma Malignant Undifferentiated Cell Type

Mild
Mild
Mild

Kidney
Liver

Mineralization
Nephropathy
Hepatocellular Adenoma
Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type

Minimal
Chronic, Minimal

Lymph Node
Note: [LYMPH MAL UNDF] TGLs = 5,6-12+15+16

Mesenteric
Pancreatic

Inflammation

Necrotizing, Marked

Mesentery
Ovary
Note: [INFLAMMATION] TGLs = 4-13

Atrophy
Cyst

Moderate

Pituitary Gland
Note: [CYST] TGLs = 1-6

Pars Distalis

Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 418

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 871208

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [CYST] TGLs = 9-7
Skin

Acanthosis
Inflammation

Mild
Chronic Active, Mild

Note: [INFLAMMATION] TGLs = 7-14
Note: [ACANTHOSIS] TGLs = 7-14

Spleen

Lymphoma Malignant Undifferentiated Cell Type

Note: [LYMPH MAL UNDF] TGLs = 3-1
Uterus

Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 419

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 637
HISTO: 871209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Minimal
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 4-5		
Kidney		Mineralization	Minimal
Liver		Necrosis	Coagulative, Moderate
Ovary		Atrophy	Moderate
		Cyst	
Skin		Inflammation	Chronic Active, Marked
Note: APPARENT HISTOMORPHOLOGICALLY.			
Note: INFLAMMATION	TGLs = 1-11		
Note: TGL#2-NCL:ALOPECIA,NOTED AT NECROPSY,NOT			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 3-1		
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:CUTANEOUS INFLAMMATION,
Animal Note: HEPATIC NECROSIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 420

TRT#: 2

SEX: Female

DAY ON TEST: 644

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Skin
Spleen	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland

INSUFFICIENT TISSUE

Ovary

OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Mild
Bone Marrow	Maxilla	Myelofibrosis	Minimal
Brain		Compression	
		Hydrocephalus	Moderate
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Mild
Note: HEPATOCLER ADEN TGLs = 6-13			
Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 4-11			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-7			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: SQ CL PAPILOM TGLs = 5-12			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
Note: ADENOMA TGLs = 1-2			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 420

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 644
HISTO: 871210

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 1-2
Uterus

Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 421

TRT#: 2

SEX: Female

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

MISSING

Harderian Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 422

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

MISSING

Harderian Gland

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
	Humerus	Osteosclerosis	Mild
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-2			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Ovary		Atrophy	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 423

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-11			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Moderate
Note: [DILATATION] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 424

TRT#: 2

SEX: Female

DAY ON TEST: 165

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 425

TRT#: 2

SEX: Female

DAY ON TEST: 518

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Necrosis	Coagulative, Moderate
Note: [HEMANGIOSARC] TGLs = 2-12			
Note: [HEPATOCLR ADEN] TGLs = 1-11			
Ovary		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Tissue NOS			
Note: HEPATIC HEMANGIOSARCOMA HISTOMORPHOLOGICALLY.			
Note: TGL#1:TISSUE NOS MASS,NOTED AT NECROPSY,IS			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: HEPATIC HEMANGIOSARCOMA.

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA &

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 426

TRT#: 2

SEX: Female

DAY ON TEST: 632

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Stomach	Glandular	Erosion	Mild
Note: EROSION	TGLs = 2-4		
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 427

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 3-2			
Lymph Node	Mandibular	Hemangioma	
Note: [HEMANGIOMA] TGLs = 1-12			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
[Inflammation TGLS = 2-11]			
Ovary		Atrophy	Moderate
Pancreas	Acinus	Atrophy	Minimal
Spleen		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Glandular, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 428

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 592
HISTO: 871218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2-1+11			
Lung		Alveolar/Bronchiolar Adenoma	
Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 3,4-12]			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Moderate
Thymus		Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:MAMMARY GLD ADENOCARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 429

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Intestine Small - Ileum

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4,5-12			
Ovary		Atrophy	Mild
		Cystadenoma	Papillary
Note: [CYSTADENOMA] TGLs = 1-13			
Stomach	Forestomach	Acanthosis	Moderate
	Glandular	Hyperplasia	Mild
	Forestomach	Inflammation	Chronic Active, Moderate
Note: [HYPERPLASIA] TGLs = 2-11			
Note: [ACANTHOSIS] TGLs = 3-11			
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 430

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Moderate
Bone Marrow	Tibia	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [HEPATOCLR ADEN] TGLs = 6,7-1+14			
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3,4,8-7+12+13			
Ovary		Atrophy	Mild
		Granulosa Cell Tumor Benign	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-7			
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1,2-11			
Thymus		Lymphoma Malignant Undifferentiated Cell Type	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 430

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 871220

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THYMUS IS IN B012
Uterus

Dilatation
Hyperplasia

Marked
Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 431

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Clitoral Gland		Pigmentation	Melanin, Mild
Note: [PIGMENT] TGLs = 1-11			
Intestine Small	Jejunum, Lymphoid Tiss	Hyperplasia	Marked
	Jejunum	Inflammation	Chronic Active, Marked
Note: [HYPERPLASIA] TGLs = 3-4			
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4,5-1+12			
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mesenteric	Hyperplasia	Plasma Cell, Moderate
Ovary		Atrophy	Moderate
		Cyst	
Note: [CYST] TGLs = 2-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 432

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 5-1			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Moderate
Note: [INFLAMMATION] TGLs = 3,4-11+12			
Ovary		Atrophy	Moderate
		Cyst	
Note: [CYST] TGLs = 2-6			
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
Uterus		Dilatation	Moderate
		Hyperplasia	Cystic, Glandular, Mild
Note: [DILATATION] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 433

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 871223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-1+2+12			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 1-11			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 6-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 434

TRT#: 2

SEX: Female

DAY ON TEST: 676

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone	Cartilage, Rib	Necrosis	Moderate
Note: [NECROSIS] TGLs = 1-11			
Brain		Compression	
		Hydrocephalus	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Atrophy	Marked
Pancreas	Acinus	Atrophy	Marked
		Inflammation	Chronic Active, Mild
Note: [ATROPHY] TGLs = 2-4			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA WITH

Animal Note: HYDROCEPHALUS.

Animal Note: ASSOCIATED COMPRESSION OF BRAIN AND RESULTANT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 435

TRT#: 2

SEX: Female

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Intest Large

Note: TGL#1-NCL-CECAL NODULE NOTED AT TRIM,

Note: NOT APPARENT HISTOPATHOLOGICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 436

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
Note: [EOSIN FOCUS] TGLs = 2-1			
Note: [HEPATOCLR ADEN] TGLs = 1,3-1+2			
Ovary		Atrophy	Mild
		Cyst	
Stomach	Forestomach	Acanthosis	Mild
Note: [ACANTHOSIS] TGLs = 4-11			
Thyroid GI			
Note: MORPHOLOGICAL EXAMINATION.			
Note: ONLY ONE THYROID GLAND AVAILABLE FOR HISTO-			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 436

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871226

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 437

TRT#: 2

SEX: Female

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 438

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-12			
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 1-11			
Ovary		Atrophy	Moderate
		Cyst	
Note: [CYST] TGLs = 3-6			
Pituitary Gland	Pars Distalis	Adenoma	Multiple
Note: [ADENOMA] TGLs = 5-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: [HYPERPLASIA] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 439

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 652
HISTO: 871229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Kidney		Lymphoma Malignant Undifferentiated Cell Type
Liver		Lymphoma Malignant Undifferentiated Cell Type
Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type
Note: [LYMPH MAL UNDF] TGLs = 2,4-11+12		
Mesentery		Lymphoma Malignant Undifferentiated Cell Type
Ovary		Cyst
Pituitary Gland	Pars Distalis	Adenoma
Note: ADENOMA TGLs = 1-7		
Spleen		Lymphoma Malignant Undifferentiated Cell Type
Note: [LYMPH MAL UNDF] TGLs = 3-1		
Thymus		Lymphoma Malignant Undifferentiated Cell Type
Thyroid Gland	Follicular Cel	Hyperplasia
Uterus		Hyperplasia
		Mild
		Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:LYMPH MAL UNDEF.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 440

TRT#: 2

SEX: Female

DAY ON TEST: 528

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Liver		Clear Cell Focus	
Note: CLEAR CL FOCUS	TGLs = 4-12		
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION	TGLs = 1-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Stomach	Forestomach	Diverticulum	Mild
Note: DIVERTICULUM	TGLs = 3-11		
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 441

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-11			
Ovary		Atrophy	Moderate
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 442	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 489 HISTO: 871232
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder	Uterus	

MISSING

Harderian Gland

OBSERVATIONS

Liver	Vacuolization Cytoplasmic	Moderate
Spleen	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 443

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 602
HISTO: 871233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Spleen

OBSERVATIONS

Bone	Thoracic, Vertebra	Osteosclerosis	Minimal
Bone Marrow	Femoral	Histiocytic Sarcoma	
Kidney		Histiocytic Sarcoma	
		Mineralization	Minimal
Liver		Hepatocellular Carcinoma	
		Histiocytic Sarcoma	
Note: HEPATOCLR CARC TGLs = 1-11			
Note: [HISTIO SARC] TGLs = 1-11+12			
Lung		Histiocytic Sarcoma	
Ovary		Atrophy	Marked
		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Histiocytic Sarcoma	
		Hyperplasia	Cystic, Glandular, Mild
Note: [HISTIO SARC] TGLs = 2-11			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HISTIOCYTIC SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 444

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 871234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone	Intervert Disc	Degeneration	Minimal
Bone Marrow	Femoral	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN] TGLs = 3,4,5,6,7,10-2+12+13+15+16+17			
Note: [HEPATOCLR CARC] TGLs = 8-14			
Note: [LYMPH MAL MIXD] TGLs = 9-18			
Lung		Inflammation	Chronic Active, Moderate
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 1-11			
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 444

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871234

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ACANTHOSIS] TGLs = 11-19

Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked

Note: [HYPERPLASIA] TGLs = 2-6

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 445

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Mammary Gland
Salivary Glands
Thymus
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Lung
Nose
Skin
Thyroid Gland

Bone
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach
Tooth

Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular
Trachea

MISSING

Harderian Gland

Intestine Small - Ileum

OBSERVATIONS

Bone Marrow

Femoral
Humerus
Maxilla
Thoracic, Vertebra

Myelofibrosis
Myelofibrosis
Myelofibrosis
Myelofibrosis
Mineralization
Nephropathy
Hepatocellular Adenoma
Hepatocellular Carcinoma
Vacuolization Cytoplasmic

Minimal
Moderate
Mild
Marked
Minimal
Chronic, Mild

Kidney

Liver

Note: [HEPATOCLR CARC] TGLs = 1-11

Note: [HEPATOCLR ADEN] TGLs = 2-1

Ovary

Pituitary Gland

Spleen

Uterus

Pars Distalis

Atrophy
Adenoma
Hematopoietic Cell Proliferation
Hyperplasia

Mild

Mild
Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 446

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
Note: HEPATOCLR ADEN TGLs = 1-11			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 447

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Thymus
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OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Marked
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

Note: [HYPERPLASIA] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 448

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 722

HISTO: 871238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Moderate
		Necrosis	Coagulative, Marked
Note: HEPATOCLR ADEN	TGLs = 3-12		
Note: NECROSIS	TGLs = 2-1+2		
Ovary		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Marked
Uterus		Hemangioma	
		Hyperplasia	Cystic, Glandular, Moderate
Note: HEMANGIOMA	TGLs = 1-11		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATIC NECROSIS & INFLAMMATION.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 449

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-11			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 450

TRT#: 2

SEX: Female

DAY ON TEST: 610

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder	Harderian Gland
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OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-11			
Ovary		Atrophy	Marked
		Cyst	
Spleen		Hematopoietic Cell Proliferation	Moderate
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 451

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Minimal
Bone Marrow	Femoral	Hyperplasia	Mast Cell, Mild
	Maxilla	Hyperplasia	Mast Cell, Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Moderate
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 452

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 871242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mesenteric	Nose	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone	Intervertebral Disc	Degeneration	Minimal
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Gallbladder			
Note: GALLBLADDER IN B011.			
Heart			
Note: TGL#2-NCL:HEART CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Kidney		Mineralization	Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [EOSIN FOCUS] TGLs = 4-12			
Note: [HEPATOCLER ADEN] TGLs = 3-11			
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Atrophy	Moderate
		Cyst	
Note: ONLY ONE OVARY AVAILABLE FOR HISTOMORPHOLOGIC			
Note: EXAMINATION.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 452

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 871242

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland
Thyroid Gland
Uterus

Pars Distalis
Follicular Cel

Adenoma
Hyperplasia
Dilatation
Hyperplasia

Multiple
Minimal
Moderate
Cystic, Glandular, Marked

Note: [DILATATION] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 453

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland			
Note: LOGIC EXAMINATION.			
Note: ONLY ONE ADRENAL GLD AVAILABLE FOR HISTOMORPHO-			
Bone Marrow	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Gallbladder			
Note: GALLBLADDER IN B13.			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN] TGLs = 1,3-11+13			
Note: [HEPATOCLR CARC] TGLs = 2-12			
Ovary		Atrophy	Moderate
		Cystadenoma	Papillary
Note: [CYSTADENOMA] TGLs = 5-6			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Mild
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 453

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871243

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [DILATATION] TGLs = 4-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 454

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-1			
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 455

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Gallbladder		Mineralization	Mild
Islets, Pancreatic		Adenoma	
Kidney		Mineralization	Minimal
Ovary		Atrophy	Mild
Pancreas	Acinus	Adenocarcinoma	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 456

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Lymph Node - Mesenteric
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,5-12+13			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 1,2-6+11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 457

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 562
HISTO: 871247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tooth
Trachea			

MISSING

Mammary Gland

OBSERVATIONS

Heart	Histiocytic Sarcoma	
Kidney	Hydronephrosis	Moderate
	Hypertrophy	Marked
	Mineralization	Minimal
	Nephropathy	Chronic, Mild
Note: [HYPERTROPHY] TGLs = 3-12 [Hydronephrosis TGLS = 4-1]		
Liver	Histiocytic Sarcoma	
	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1-1+2+11 Note: [HISTIO SARC] TGLs = 2-1+2+11		
Mesentery	Histiocytic Sarcoma	
Ovary	Atrophy	Moderate
	Histiocytic Sarcoma	
Spleen	Hematopoietic Cell Proliferation	Moderate
Thymus	Histiocytic Sarcoma	
Urinary Bladder	Histiocytic Sarcoma	
Uterus	Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 5-13		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 457

TRT#: 2

SEX: Female

DAY ON TEST: 562

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871247

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HISTIOCYTIC SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 458

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Thymus
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Nose
Skin
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach
Tooth

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular
Trachea

MISSING

Harderian Gland

OBSERVATIONS

Bone
Bone Marrow

Gallbladder
Note: GALLBLADDER IN B012.
Kidney

Intervert Disc
Femoral
Thoracic, Vertebra

Degeneration
Myelofibrosis
Myelofibrosis

Moderate
Minimal
Minimal

Liver

Note: [HEPATOCLR CARC] TGLs = 2-12
Mesentery
Note: [INFLAMMATION] TGLs = 1-11

Mineralization
Nephropathy
Hepatocellular Carcinoma
Necrosis

Minimal
Chronic, Minimal

Coagulative, Mild

Necrotizing, Marked

Ovary
Pituitary Gland
Spleen
Uterus

Pars Distalis

Cyst
Hyperplasia
Hyperplasia
Hyperplasia

Mild
Lymphoid, Mild
Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 459

TRT#: 2

SEX: Female

DAY ON TEST: 691

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 3-2			
Ovary		Luteoma	
Note: LUTEOMA TGLs = 2-6			
Note: APPARENT IN THE ONE EXAMINED.			
Note: TGL#1-NCL:ONLY ONE OVARY AVAILABLE FOR			
Note: HISTOPATHOLOGIC EXAMINATION. CYST WAS NOT			
Stomach	Forestomach	Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 5-11			
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:ALV BRONCH CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 460

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,5-11+12+13			
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 4-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 461

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 715

HISTO: 871251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Carcinoma	Multiple
Note: TGL#4-NCL:NODULE,NOTED AT NECROPSY,NOT APPARENT			
Note: [HEPATOCLR CARC] TGLs = 3,5-13+15			
Note: HISTOMORPHOLOGICALLY.			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 7-16			
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 2-12			
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Atrophy	Marked
Pituitary Gland			
Note: HISTOMORPHOLOGICALLY.TISSUE FRAGMENTED			
Note: TGL#6-NCL:REASON FOR ENLARGEMENT NOT APPARENT			
Note: DURING PROCESSING.			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: [HEMA CELL PROL] TGLs = 1-11			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 461

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 715
HISTO: 871251

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: LYMPH MAL LYMPH.

Animal Note: CAUSE OF DEATH:ALV-BRONCH CARCINOMA;

Animal Note: HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:20
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 462 TRT#: 2 SEX: Female DAY ON TEST: 736
 DOSE: 0 PPM DISP: Terminal Sacrifice HISTO: 871252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Parathyroid Gland
Skin	Stomach - Glandular	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow	Femoral	Lymphoma Malignant Undifferentiated Cell Type	
	Thoracic, Vertebra	Myelofibrosis	Minimal
	Tibia	Myelofibrosis	Minimal
Heart		Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Undifferentiated Cell Type	
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: MANDIBULAR LYMPH NODE IN B03.			
Note: [LYMPH MAL UNDF] TGLs = 3-12			
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Ovary		Cyst	
		Lymphoma Malignant Undifferentiated Cell Type	
Pancreas	Acinus	Atrophy	Mild
		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 462	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 871252
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ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-11			
Stomach	Forestomach	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 4-13			
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Tooth	Dentine, Incisor	Dysplasia	Minimal
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	
Uterus		Hyperplasia	Cystic, Glandular, Marked
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [HYPERPLASIA] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 463

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 704
HISTO: 871253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland			
Note: HISTOMORPHOLOGICAL EXAMINATION.			
Note: ONLY ONE ADRENAL GLD AVAILABLE FOR			
Blood		Histiocytic Sarcoma	
Heart		Histiocytic Sarcoma	
Kidney		Histiocytic Sarcoma	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 6-1+2			
Lung		Histiocytic Sarcoma	
Lymph Node	Lumbar	Histiocytic Sarcoma	
	Mandibular	Histiocytic Sarcoma	
	Mediastinal	Histiocytic Sarcoma	
	Mesenteric	Histiocytic Sarcoma	
	Renal	Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 7,8,9-7+11+13			
Mesentery		Histiocytic Sarcoma	
		Inflammation	Necrotizing, Marked
Note: [HISTIO SARC] TGLs = 3,4-6			
Note: INFLAMMATION TGLs = 2-12			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 463	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: 704 HISTO: 871253
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ORGAN AND ACCOUNTABLE SITE STATUS

Ovary		Atrophy	Moderate
		Cyst	
Pancreas		Histiocytic Sarcoma	
Skeletal Muscle		Histiocytic Sarcoma	
Spleen		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 1-14			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Urinary Bladder		Histiocytic Sarcoma	
Uterus		Histiocytic Sarcoma	
		Hyperplasia	Cystic, Glandular, Moderate
Note: [HISTIO SARC] TGLs = 5-15			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:LYMPH MAL UNDEF.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 464

TRT#: 2

SEX: Female

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Kidney		Lymphoma Malignant Lymphocytic	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Lymphocytic	
Note: HEPATOCLR ADEN	TGLs = 4,5-13		
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Marked
Note: MINERALIZATION	TGLs = 3-12		
Ovary		Atrophy	Moderate
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 1-11		
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA	TGLs = 2-6		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 464

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 715
HISTO: 871254

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH -
Animal Note: CAUSE OF DEATH:LYMPH MAL LYMPH.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 465

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Lung
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Bone
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Kidney

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Liver

Hepatocellular Adenoma

Note: [HEPATOCLR ADEN] TGLs = 2-11

Ovary

Atrophy

Mild

Tooth

Dentine, Incisor

Dysplasia

Minimal

Uterus

Hyperplasia

Cystic, Glandular, Marked

Note: [HYPERPLASIA] TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 466

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 420

HISTO: 871256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Bone	Femur	Osteosarcoma	
Note: OSTEOSARC	TGLs = 6-13		
Bone Marrow	Humerus	Myelofibrosis	Minimal
	Mandible	Myelofibrosis	Moderate
	Thoracic, Vertebra	Myelofibrosis	Minimal
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 1-5		
Liver		Necrosis	Coagulative, Mild
		Osteosarcoma	Metastatic (Bone)
		Vacuolization Cytoplasmic	Mild
Note: TGL#7-NCL:PALE PIGMENT,NOTED AT NECROPSY,ARE AREAS OF			
Note: OSTEOSARC	TGLs = 5-12		
Note: AUTOLYSIS HISTOPATHOLOGICALLY.			
Lung		Osteosarcoma	Metastatic (Bone)
Note: OSTEOSARC	TGLs = 8-2		
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION	TGLs = 3-11		
Skeletal Muscle		Osteosarcoma	Metastatic (Bone)
Note: OSTEOSARC	TGLs = 6-13		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 466

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 420
HISTO: 871256

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen
Note: HEMA CELL PROL TGLs = 2-1

Hematopoietic Cell Proliferation

Marked

Thymus

Cyst

Uterus

Hyperplasia

Cystic, Glandular, Mild

Note: HYPERPLASIA TGLs = 4-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:OSTEOSARCOMA,LEFT HINDLIMB WITH

Animal Note: HEPATIC AND PULMONARY METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 467

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Humerus	Histiocytic Sarcoma	
	Tibia	Histiocytic Sarcoma	
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-11			
Lymph Node	Mandibular	Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 2-12			
Ovary		Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:20
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 468 TRT#: 2 SEX: Female DAY ON TEST: 736
 DOSE: 0 PPM DISP: Terminal Sacrifice HISTO: 871258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

MISSING

Esophagus Parathyroid Gland

OBSERVATIONS

Bone	Periosteum, Tibia	Proliferation	Focal, Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4,5,6,7,8,9-1+2+12+13+14+15			
Note: [EOSIN FOCUS] TGLs = 7-14			
Note: [HEPATOCLR ADEN] TGLs = 10,11,12,13-16+17+18+19			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 2-11			
Ovary		Atrophy	Mild
		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Hyperkeratosis	Mild
		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 468

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 871258

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland
Uterus

Follicular Cel

Adenoma
Angiectasis
Dilatation

Mild
Marked

Note: [DILATATION] TGLs = 1-6
Note: [ANGIECTASIS] TGLs = 3-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 469

TRT#: 2

SEX: Female

DAY ON TEST: 592

DOSE: 0 PPM

DISP: Natural Death

HISTO: 871259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Liver		Hemangioma	
Note: HEMANGIOMA	TGLs = 1-11		
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:RUPTURE OF HEPATIC HEMANGIOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 470	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: 458 HISTO: 871260
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Tibia	Myelofibrosis	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 471

TRT#: 2

SEX: Female

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 472 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 736
DOSE: 0 PPM **DISP:** Terminal Sacrifice **HISTO:** 871262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Thymus

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
Lung		Alveolar/Bronchiolar Adenoma	
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 2-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 472

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 871262

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 473

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Marked
	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 474 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 729
DOSE: 0 PPM **DISP:** Terminal Sacrifice **HISTO:** 871264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Harderian Gland		Adenoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-1+11+12			
Lymph Node			
Note: TGL#6-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE			
Note: WNL HISTOMORPHOLOGICALLY.RED COLOR DUE TO			
Note: ENGORGEMENT WITH BLOOD.			
Ovary		Atrophy	Mild
		Cystadenoma	Papillary
Note: [CYSTADENOMA] TGLs = 1-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 475

TRT#: 2

SEX: Female

DAY ON TEST: 662

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Moderate
Spleen		Hyperplasia	Lymphoid, Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 476

TRT#: 2

SEX: Female

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

MISSING

Harderian Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 477

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Intestine Small	Jejunum, Lymphoid Tiss	Hyperplasia	Marked
Note: [HYPERPLASIA] TGLs = 2-12			
Kidney		Mineralization	Minimal
Liver		Clear Cell Focus	
Note: [HEPATOCLR CARC] TGLs = 4-14			
Note: [CLEAR CL FOCUS] TGLs = 3-13			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 1-11			
Stomach			
Note: TO BE LOST DURING PROCESSING.			
Note: TGL#5-NST:STOMACH LESION REPORTED BY TECHNICIANS			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 478

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Stomach - Glandular

Bone
Heart
Intestine Small - Duodenum
Lung
Pituitary Gland
Tooth

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Skin
Trachea

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow
Kidney

Thoracic, Vertebra

Myelofibrosis
Mineralization
Nephropathy
Basophilic Focus
Hepatocellular Adenoma
Lymphoma Malignant Undifferentiated Cell Type

Mild
Minimal
Chronic, Minimal

Liver

Multiple

Note: [LYMPH MAL UNDF] TGLs = 6-14

Note: [HEPATOCLR ADEN] TGLs = 3,4,6-12+13+14

Lymph Node
Mandibular
Mediastinal
Mesenteric

Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type

Note: [LYMPH MAL UNDF] TGLs = 5-4

Ovary
Parathyroid Gland
Salivary Glands
Spleen

Atrophy
Cyst
Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type

Mild

Note: [LYMPH MAL UNDF] TGLs = 2-11

Thymus
Thyroid Gland
Uterus

Follicular Cel

Lymphoma Malignant Undifferentiated Cell Type
Hyperplasia
Dilatation

Mild
Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 478

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871268

ORGAN AND ACCOUNTABLE SITE STATUS

Hyperplasia

Cystic, Glandular, Marked

Note: [DILATATION] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 479

TRT#: 2

SEX: Female

DAY ON TEST: 358

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Tooth

Trachea

Urinary Bladder

INSUFFICIENT TISSUE

Ear

OBSERVATIONS

Liver

Hepatocellular Adenoma

Note: HEPATOCLR ADEN TGLs = 3-1

Mesentery

Inflammation

Necrotizing, Marked

Note: INFLAMMATION TGLs = 1,2-11+12

Uterus

Hyperplasia

Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PROBABLE OTITIS MEDIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 480

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Marked
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-2			
Ovary		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	Multiple
Note: [ADENOMA] TGLs = 2-7			
Stomach	Forestomach	Acanthosis	Moderate
Note: [ACANTHOSIS] TGLs = 3-11			
Uterus		Hyperplasia	Cystic, Glandular, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 481

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Salivary Glands
Spleen	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-1			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 1-11			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Hair Follicle	Cyst	
Note: [CYST] TGLs = 4-12			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 5-13			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 481

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871271

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 482

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hypertrophy	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Harderian Gland		Adenoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Ovary		Atrophy	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
		Polyp Stromal	

Note: [HYPERPLASIA] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 483	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: 458 HISTO: 871273
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Minimal
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-1			
Thymus		Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 484

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 1-14			
Mesentery		Hemorrhage	Mild
		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 2-12			
Note: [HEMORRHAGE] TGLs = 3-11			
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 4-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-7			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 484	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO: 871274
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.

Note: TGL#6-NCL:NODULE,NOTED AT TRIM,NOT APPARENT

Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 485 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 737
DOSE: 0 PPM **DISP:** Terminal Sacrifice **HISTO:** 871275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Clitoral Gland	Duct	Dilatation	Mild
Note: [DILATATION] TGLs = 2-14			
Intestine Small	Jejunum, Lymphoid Tiss	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 3-11			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4,5,6-1+13+15			
Note: TGL#6-ONLY ONE FOCUS OBSERVED			
Note: HISTOMORPHOLOGICALLY.			
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 1-12			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 485

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871275

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 486

TRT#: 2

SEX: Female

DAY ON TEST: 166

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Uterus

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow Humerus Myelofibrosis Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 487	TRT#: 2	SEX: Female	DAY ON TEST: 458
	DOSE: 0 PPM	DISP: Scheduled Sacrifice	HISTO: 871277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Mild
Liver		Vacuolization Cytoplasmic	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 488

TRT#: 2

SEX: Female

DAY ON TEST: 713

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea			

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
Bone Marrow	Humerus	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Necrosis	Coagulative, Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Marked
Urinary Bladder		Inflammation	Necrotizing, Marked
Uterus		Dilatation	Marked
		Inflammation	Necrotizing, Marked

Note: INFLAMMATION TGLs = 1-11

Note: DILATATION TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: INFLAMMATION.

Animal Note: CAUSE OF MORBIDITY: URINARY & REPRODUCTIVE TRACT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 489

TRT#: 2

SEX: Female

DAY ON TEST: 620

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 871279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Minimal
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 3-11			
Ovary		Cyst	
Note: CYST TGLs = 2-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland		Ultimobranchial Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:UNDETERMINED. SUSPECT MIDDLE

Animal Note: &/OR INNER EAR INFECTION BECAUSE OF CLINICAL

Animal Note: OBS,BUT CANNOT CONFIRM HISTOMORPHOLOGICALLY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 490

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 871280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Heart		Inflammation	Chronic Active, Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 4-12			
Note: [HEPATOCLR ADEN] TGLs = 2,3-2+11			
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Dilatation	Moderate
		Hyperplasia	Cystic, Glandular, Moderate
Note: [DILATATION] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 491	TRT#: 4	SEX: Female	DAY ON TEST: 179
	DOSE: SPECIAL CONTROL	DISP: Special Control	HISTO: 871331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Marrow	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Basophilic Focus	

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA - SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 492

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-2			
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 493

TRT#: 4

SEX: Female

DAY ON TEST: 652

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Mild
Parathyroid Gland		Hyperplasia	Mild
Thymus		Cyst	
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Mild

Note: DILATATION TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 494

TRT#: 4

SEX: Female

DAY ON TEST: 349

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Brain

Heart

Intestine Small - Duodenum

Kidney

Lymph Node - Mesenteric

Pancreas

Skin

Thymus

Urinary Bladder

Adrenal Gland - Medulla

Esophagus

Intestine Large - Cecum

Intestine Small - Ileum

Liver

Mammary Gland

Parathyroid Gland

Spleen

Thyroid Gland

Bone

Gallbladder

Intestine Large - Colon

Intestine Small - Jejunum

Lung

Nose

Pituitary Gland

Stomach - Forestomach

Tooth

Bone Marrow

Harderian Gland

Intestine Large - Rectum

Islets, Pancreatic

Lymph Node - Mandibular

Ovary

Salivary Glands

Stomach - Glandular

Trachea

OBSERVATIONS

Uterus

Dilatation

Marked

Hyperplasia

Cystic, Glandular, Moderate

Note: HYPERPLASIA TGLs = 2-6+11

Note: DILATATION TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 496

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Ovary		Atrophy	Marked
		Necrosis	Coagulative, Marked
Note: NECROSIS TGLs = 2-6			
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 497 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 603
DOSE: SPECIAL CONTROL **DISP:** Moribund Sacrifice **HISTO:** 871337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Tibia	Osteosclerosis	Mild
Liver		Basophilic Focus	
Ovary		Atrophy	Moderate
		Cyst	
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 2-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-1			
Stomach			
Note: NECROPSY,NOT APPARENT HISTOMORPHOLOGICALLY.			
Note: TGL#4-NCL:FORESTOMACH CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.DIVERTICULUM,NOTED AT			
Thymus		Ectopic Parathyroid Gland	
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Marked
Note: DILATATION TGLs = 1-12			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:CUTANEOUS FIBROSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 498

TRT#: 4

SEX: Female

DAY ON TEST: 691

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Brain
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Minimal
Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3-11			
Lung	Alveolar Epith	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 4-2			
Ovary		Atrophy	Moderate
		Cyst	
Note: CYST TGLs = 1-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 500

TRT#: 4

SEX: Female

DAY ON TEST: 500

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Harderian Gland		Hyperplasia	Mild
Kidney		Mineralization	Mild
Note: MINERALIZATION TGLs = 4-1			
Mammary Gland		Inflammation	Chronic Active, Mild
Mesentery		Inflammation	Necrotizing, Mild
Ovary		Cyst	
Note: CYST TGLs = 1-6			
Urin Bladder			
Note: & INFLAMMED MESENTERIC FAT HISTOMORPHOLOGICALLY.			
Note: TGL#3:NODULE,NOTED AT NECROPSY,IS FOCUS OF NECROTIC			
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:RENAL MINERALIZATION.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 501

TRT#: 4

SEX: Female

DAY ON TEST: 433

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Tooth

Trachea

Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Uterus

Dilatation

Moderate

Note: DILATATION TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 502

TRT#: 4

SEX: Female

DAY ON TEST: 706

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Lymph Node - Mandibular	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Tibia	Myelofibrosis	Minimal
Intestine Small	Ileum	Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC TGLs = 6-4			
Islets, Pancreatic		Fibrosarcoma	Metastatic (Skin)
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 10-1			
Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Mild
Lymph Node	Lumbar	Fibrosarcoma	Metastatic (Skin)
	Mesenteric	Fibrosarcoma	Metastatic (Skin)
	Renal	Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC TGLs = 4,5,7-4+12+14			
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC TGLs = 3-4+11			
Ovary		Atrophy	Marked
		Cyst	
		Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC TGLs = 1-6			
Pancreas		Fibrosarcoma	Metastatic (Skin)
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 8-13			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 502	TRT#: 4	SEX: Female	DAY ON TEST: 706
	DOSE: SPECIAL CONTROL	DISP: Special Control	HISTO: 871342

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 503

TRT#: 4

SEX: Female

DAY ON TEST: 713

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Minimal
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Mild
Note: EOSIN FOCUS TGLs = 10-12			
Note: HEPATOCLR ADEN TGLs = 6,7,8,11-14+15+16+17			
Note: HEPATOCLR ADEN TGLs = 3,4,5-12+13			
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-7			
Skin	Subcut Tiss	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 9-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 503

TRT#: 4

SEX: Female

DAY ON TEST: 713

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871343

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY: MULTIPLE HEPATOCELLULAR ADENOMAS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 504	TRT#: 4	SEX: Female	DAY ON TEST: 313
	DOSE: SPECIAL CONTROL	DISP: Special Control	HISTO: 871344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Minimal
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 505

TRT#: 4

SEX: Female

DAY ON TEST: 259

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Pituitary Gland
Stomach - Forestomach
Tooth

Bone
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Trachea

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Lymph Node

Note: MANDIBULAR LYMPH NODE IN B03.

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 506

TRT#: 4

SEX: Female

DAY ON TEST: 379

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Gallbladder

OBSERVATIONS

Kidney	Mineralization	Minimal
	Nephropathy	Chronic, Minimal
Uterus	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 508

TRT#: 4

SEX: Female

DAY ON TEST: 552

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,3,4-11+12+13			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 509

TRT#: 4

SEX: Female

DAY ON TEST: 395

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Tooth	Incisor, Lower	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 510

TRT#: 4

SEX: Female

DAY ON TEST: 566

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3,4-11+12			
Mammary Gland		Hyperplasia	Cystic, Minimal
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1,2-6			
Note: DILATATION TGLs = 1,2-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 512

TRT#: 4

SEX: Female

DAY ON TEST: 198

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Ovary		Cyst	
Note: CYST	TGLs = 2-6		
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA	TGLs = 1-6		

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 513

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Cyst	
		Mineralization	Minimal
Lymph Node			
Note: TGL#2-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE			
Note: WNL HISTOMORPHOLOGICALLY.			
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Atrophy	Marked
		Cyst	
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-11			
Thyroid Gland		Inflammation	Chronic Active, Mild
Uterus		Dilatation	Marked
		Hemangiosarcoma	
Note: DILATATION TGLs = 1-12			
Note: HEMANGIOSARC TGLs = 1-12			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:UTERINE HEMANGIOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 514

TRT#: 4

SEX: Female

DAY ON TEST: 676

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
	Medulla	Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
		Mineralization	Minimal
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3-1+2			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 6,7-3+4+7			
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 8-12			
Ovary		Atrophy	Marked
		Lymphoma Malignant Undifferentiated Cell Type	
Note: TGL#2-NCL:CYST,NOTED AT NECROPSY,NOT APPARENT			
Note: HISTOMORPHOLOGICALLY.			
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Skin		Lymphoma Malignant Undifferentiated Cell Type	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-11			
Stomach	Glandular	Erosion	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 514

TRT#: 4

SEX: Female

DAY ON TEST: 676

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871354

ORGAN AND ACCOUNTABLE SITE STATUS

Note: EROSION TGLs = 4-4
Thymus
Uterus

Lymphoma Malignant Undifferentiated Cell Type
Hyperplasia
Lymphoma Malignant Undifferentiated Cell Type

Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:LYMPH MAL LYMPH.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 515

TRT#: 4

SEX: Female

DAY ON TEST: 241

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Thymus	Cyst	
Uterus	Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 516	TRT#: 4	SEX: Female	DAY ON TEST: 411
	DOSE: SPECIAL CONTROL	DISP: Special Control	HISTO: 871356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Lung	Alveolar Epith	Hyperplasia	Mild
Ovary		Cyst	
Note: CYST TGLs = 1-6			
Thymus		Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 517

TRT#: 4

SEX: Female

DAY ON TEST: 477

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Tibia	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Spleen			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#2-NCL:SPLEEN CONSIDERED TO BE WNL			
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Marked
Note: DILATATION TGLs = 1-6			
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 518

TRT#: 4

SEX: Female

DAY ON TEST: 587

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Necrosis	Coagulative, Minimal
		Pigmentation	Hemosiderin, Mild
Note: HDN	TGLs = 3-11		
Ovary		Atrophy	Mild
		Cyst	
Note: CYST	TGLs = 1-6		
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: HYPERPLASIA	TGLs = 2-6		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 519

TRT#: 4

SEX: Female

DAY ON TEST: 349

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Clitoral Gland	Ovary
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OBSERVATIONS

Adrenal Gland			
Note: EXAMINATION.			
Note: ONLY ONE ADRENAL GLAND AVAILABLE FOR HISTOPATHOLOGICAL			
Clitoral Gland			
Note: TGL#14-NCL:CLITORAL GLAND MISSING.NOT ABLE TO			
Note: IDENTIFY IN MESENTERIC MASS AT TRIM.			
Esophagus		Inflammation	Chronic Active, Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hematopoietic Cell Proliferation	Mild
		Leukocytosis	
Lung		Leukocytosis	
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Mild
Note: HYPERPLASIA TGLs = 1-11			
Mesentery		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 2,3,4,10,12,13-2+4+6+7+12			
Nose		Inflammation	Chronic Active, Mild
Ovary			
Note: TGL#9-NCL:OVARIES MISSING.NOT ABLE TO IDENTIFY IN			
Note: MESENTERIC MASS AT TRIM.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 519

TRT#: 4

SEX: Female

DAY ON TEST: 349

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871359

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas Note: INFLAMMATION TGLs = 7-4		Inflammation	Chronic Active, Moderate
Skeletal Muscle Note: INFLAMMATION TGLs = 11-13		Inflammation	Chronic Active, Marked
Spleen Note: TGL#6-NCL:SPLenic ADHESION,NOTED AT NECROPSY, NOT Note: HEMA CELL PROL TGLs = 5-1 Note: APPARENT HISTOPATHOLOGICALLY.		Hematopoietic Cell Proliferation	Marked
Stomach Thymus Uterus Note: TGL#8-NCL:UTERINE ADHESION,NOTED AT NECROPSY NOT Note: APPARENT HISTOPATHOLOGICALLY.	Forestomach Thymocyte	Inflammation Necrosis Hyperplasia	Chronic Active, Mild Moderate Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: INFLAMMATORY PROCESS.

Animal Note: CAUSE OF MORBIDITY:SEVERE NECROTIZING MESENTERIC

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 520	TRT#: 4	SEX: Female	DAY ON TEST: 135
	DOSE: SPECIAL CONTROL	DISP: Special Control	HISTO: 871360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
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PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA - SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 521

TRT#: 4

SEX: Female

DAY ON TEST: 631

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Intestine Small Note: HYPERPLASIA TGLs = 2-11	Ileum, Lymphoid Tiss	Hyperplasia	Moderate
Kidney		Mineralization	Minimal
Liver Note: HEPATOCLR CARC TGLs = 3-12 Note: HEPATOCLR ADEN TGLs = 4-1		Hepatocellular Adenoma Hepatocellular Carcinoma	
Ovary		Atrophy	Marked
Spleen Note: HYPERPLASIA TGLs = 1-1		Hyperplasia	Lymphoid, Moderate
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 523

TRT#: 4

SEX: Female

DAY ON TEST: 617

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Harderian Gland		Adenoma	
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Mild
Note: HEPATOCLR CARC TGLs = 3-12			
Lymph Node			
Note: TGL#2:MASS INVOLVING MESENTERIC LYMPH NODE,			
Note: NOTED AT NECROPSY,IS FOCUS OF NECROTIC &			
Note: INFLAMMED MESENTERIC FAT HISTOMORPHOLOGICALLY.			
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 1,2-4+11			
Ovary		Atrophy	Moderate
		Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECICAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 523

TRT#: 4

SEX: Female

DAY ON TEST: 617

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871363

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 524

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Clear Cell Focus	
		Eosinophilic Focus	
Note: CLEAR CL FOCUS TGLs = 1-1			
Ovary		Atrophy	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 526	TRT#: 4	SEX: Female	DAY ON TEST: 286
	DOSE: SPECIAL CONTROL	DISP: Special Control	HISTO: 871366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 527

TRT#: 4

SEX: Female

DAY ON TEST: 420

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Kidney		Mineralization	Minimal
Liver		Vacuolization Cytoplasmic	Moderate
Thyroid Gland	Follicular Cel	Adenoma	
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Moderate

Note: HYPERPLASIA TGLs = 1-6

Note: DILATATION TGLs = 1-6

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 528

TRT#: 4

SEX: Female

DAY ON TEST: 534

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Moderate
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
Spleen			
Note: TGL#1-NCL:SPLEEN CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 529

TRT#: 4

SEX: Female

DAY ON TEST: 611

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 4-1			
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 2-11			
Note: INFLAMMATION TGLs = 1,2-11+12			
Pancreas			
Note: NECROTIC & INFLAMMED MESENTERIC FAT			
Note: TGL#1: PANCREATIC MASS, NOTED AT NECROPSY, IS FOCUS			
Note: HISTOMORPHOLOGICALLY.			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 529

TRT#: 4

SEX: Female

DAY ON TEST: 611

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871369

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 3-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 531

TRT#: 4

SEX: Female

DAY ON TEST: 361

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Eye			
Note: TGL#1-NCL:EYES CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Mammary Gland		Hyperplasia	Cystic, Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 532

TRT#: 4

SEX: Female

DAY ON TEST: 571

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Kidney		Mineralization	Minimal
		Necrosis	Coagulative, Moderate
Liver		Hemangiosarcoma	
		Necrosis	Coagulative, Marked
Note: NECROSIS TGLs = 3-11			
Note: HEMANGIOSARC TGLs = 4-2			
Ovary		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-1			
Stomach	Glandular	Erosion	Mild
Note: EROSION TGLs = 5-4			
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATIC HEMANGIOSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 533

TRT#: 4

SEX: Female

DAY ON TEST: 437

DOSE: SPECIAL CONTROL

DISP: Natural Death

HISTO: 871373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

MISSING

Gallbladder	Harderian Gland
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OBSERVATIONS

Kidney	Mineralization	Minimal
Liver	Leukocytosis	
	Necrosis	Coagulative, Minimal
	Vacuolization Cytoplasmic	Mild
Note: NOT APPARENT HISTOPATHOLOGICALLY. LIVER TISSUE		
Note: TGL#S 1&2-NCL:NODULE AND FOCI, NOTED AT NECROPSY,		
Note: CONSIDERED TO BE AT LEAST MILDLY AUTOLYTIC.		
Lung	Leukocytosis	
Ovary	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 4-6		
Spleen	Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-1		
Thyroid Gland	Follicular Cel	Hyperplasia
Uterus	Hyperplasia	Mild
		Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TERMINAL SEPTICEMIA.

Animal Note: CAUSE OF DEATH:OVARIAN INFLAMMATION, PROBABLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 534

TRT#: 4

SEX: Female

DAY ON TEST: 278

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Tooth

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Urinary Bladder

MISSING

Harderian Gland

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 535

TRT#: 4

SEX: Female

DAY ON TEST: 648

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
[Hepatocellular Adenoma TGLS = 2,3-1+11]			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Adenoma	
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Minimal

Note: DILATATION TGLs = 1-6

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 536

TRT#: 4

SEX: Female

DAY ON TEST: 579

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Bone	Mandible	Inflammation	Suppurative, Moderate
Harderian Gland		Inflammation	Chronic Active, Mild
Heart		Hepatocholangiocarcinoma	Metastatic (Liver)
Note: HEPATOCHOLCARC TGLs = 8-11			
Kidney		Nephropathy	Chronic, Mild
Liver	Bile Duct	Cyst	
		Hematopoietic Cell Proliferation	Mild
Note: CYST TGLs = 6-12		Hepatocholangiocarcinoma	Metastatic (Liver)
Note: HEPATOCHOLCARC TGLs = 5-12			
Lung		Hepatocholangiocarcinoma	Metastatic (Liver)
Note: HEPATOCHOLCARC TGLs = 7-2			
Lymph Node	Mediastinal	Hepatocholangiocarcinoma	Metastatic (Liver)
Ovary		Atrophy	Marked
		Cyst	
Note: CYST TGLs = 2,3-6			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 536

TRT#: 4

SEX: Female

DAY ON TEST: 579

DOSE: SPECIAL CONTROL

DISP: Moribund Sacrifice

HISTO: 871376

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CARDIAC AND PULMONARY METASTASES.

Animal Note: CAUSE OF DEATH:HEPATOCHOLANGIOCARCINOMA WITH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 538

TRT#: 4

SEX: Female

DAY ON TEST: 568

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Cyst	
Stomach	Forestomach	Diverticulum	Moderate
Note: DIVERTICULUM TGLs = 2-11			
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 539

TRT#: 4

SEX: Female

DAY ON TEST: 527

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Stomach			
Note: TGL#2-NCL:GLANDULAR STOMACH CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 540

TRT#: 4

SEX: Female

DAY ON TEST: 478

DOSE: SPECIAL CONTROL

DISP: Special Control

HISTO: 871380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Tooth

Trachea

Urinary Bladder

OBSERVATIONS

Liver

Hepatocellular Adenoma

Mammary Gland

Hyperplasia

Cystic, Minimal

Spleen

Hyperplasia

Lymphoid, Mild

Uterus

Dilatation

Marked

Note: DILATATION TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:EUTHANASIA-SPECIAL CONTROL.

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 541

TRT#: 6

SEX: Female

DAY ON TEST: 165

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871791

OBSERVATIONS

Bone Marrow

Thoracic, Vertebra

Myelofibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 542

TRT#: 6

SEX: Female

DAY ON TEST: 459

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Gallbladder		Cyst	
Liver		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Moderate
Ovary		Cyst	
Thyroid Gland	Follicular Cel	Adenocarcinoma	
Note: ADENOCARC	TGLs = 2-2		
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: HYPERPLASIA	TGLs = 1-6		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 543

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Tooth	Trachea	Urinary Bladder

MISSING

Gallbladder	Harderian Gland	Lymph Node - Mesenteric
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OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
	Tibia	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4,5,8-13+14			
Note: [HEPATOCLR CARC] TGLs = 2,3,6-1+11+12			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 1-15			
Ovary		Atrophy	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Acanthosis	Mild
Note: [ACANTHOSIS] TGLs = 9-4			
Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 543

TRT#: 6
DOSE: 25 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 871793

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Follicular Cel

Hyperplasia
Hyperplasia
Inflammation
Hyperplasia

Lymphoid, Mild
Mild
Chronic Active, Minimal
Cystic, Glandular, Marked

Uterus

Note: [HYPERPLASIA] TGLs = 7-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 544

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN] TGLs = 2,3-1+2			
Note: [HEPATOCLR CARC] TGLs = 2-1			
Ovary		Atrophy	Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Uterus		Hyperplasia	Cystic, Glandular, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 545

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Minimal
	Tibia	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Marked
Note: [HEPATOCLR CARC]	TGLs = 5-11		
Note: [NECROSIS]	TGLs = 3-12		
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: [ALV BRON ADEN]	TGLs = 6-2		
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Minimal
Note: [INFLAMMATION]	TGLs = 2-12		
Ovary		Cyst	
Note: ONLY ONE OVARY AVAILABLE FOR HISTOMORPHO-			
Note: LOGIC EXAMINATION.			
Note: [CYST]	TGLs = 4-6		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 545	TRT#: 6 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 871795
ORGAN AND ACCOUNTABLE SITE STATUS			
Spleen Note: [HEMA CELL PROL] TGLs = 1-1		Hematopoietic Cell Proliferation	Moderate
Stomach Note: [SQ CL PAPILOM] TGLs = 7-4	Forestomach	Squamous Cell Papilloma	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 546

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow	Femoral Thoracic, Vertebra	Myelofibrosis Myelofibrosis Nephropathy Eosinophilic Focus Hepatocellular Carcinoma	Mild Minimal Chronic, Minimal
Kidney			
Liver			
Note: [HEPATOCLR CARC] TGLs = 1-13			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Cyst Epithelial Inclusion	
Note: [CYST EPITH INC] TGLs = 2-11			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,2,3,5,6,7-1+2+11+12+13			
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 4-6			
Spleen		Hyperplasia	Lymphoid, Marked
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:21
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 548 TRT#: 6 SEX: Female DAY ON TEST: 584
 DOSE: 25 PPM DISP: Moribund Sacrifice HISTO: 871798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Histiocytic Sarcoma	
Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
Gallbladder		Histiocytic Sarcoma	
Kidney		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 2-1			
Liver		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 3-1+2		Necrosis	Coagulative, Moderate
Lymph Node	Mediastinal	Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
Ovary		Atrophy	Moderate
		Cyst	
Note: CYST TGLs = 1-6		Histiocytic Sarcoma	
Note: TGL#1:ONLY ONE OVARIAN CYST APPARENT HISTOMORPHOLOGICALLY.			
Pancreas		Histiocytic Sarcoma	
Spleen		Histiocytic Sarcoma	
Thymus		Histiocytic Sarcoma	
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 548

TRT#: 6

SEX: Female

DAY ON TEST: 584

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871798

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY:LYMPH MAL UNDF.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 549	TRT#: 6 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 871799
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
Bone Marrow	Femoral	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Heart		Hemangiosarcoma	
Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Mixed	
		Osteosarcoma	Metastatic (Uncertain Primary Site)
Note: [OSTEOSARC] TGLs = 8-12			
Note: [HEPATOCLR ADEN] TGLs = 2-2			
Lung		Osteosarcoma	Metastatic (Uncertain Primary Site)
Note: [OSTEOSARC] TGLs = 4,5,6-2			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 3-11			
Ovary		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 7-7			
Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-1			
Stomach	Glandular	Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 549	TRT#: 6 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 871799
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ORGAN AND ACCOUNTABLE SITE STATUS

Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 9-2			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild
		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 10-13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 550

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
Note: [EOSIN FOCUS] TGLs = 5-12			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 1-11+14			
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 4-14			
Stomach	Forestomach	Inflammation	Chronic Active, Marked
Note: [INFLAMMATION] TGLs = 3-13			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 2-15			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 551

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Hyperplasia	Moderate
	Cortex	Hypertrophy	Mild
Bone Marrow	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
Liver	Bile Duct	Cyst	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [CYST] TGLs = 5-1			
Note: [HEPATOCLR ADEN] TGLs = 3,4-1+12			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Moderate
Note: [INFLAMMATION] TGLs = 1-11			
Thymus		Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 2-13			
Note: [DILATATION] TGLs = 2-13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 553

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Spleen
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Skin
Thymus

OBSERVATIONS

Bone
Bone Marrow

Intervert Disc
Femoral
Humerus
Thoracic, Vertebra
Retina
Lens

Degeneration
Myelofibrosis
Myelofibrosis
Myelofibrosis
Atrophy
Cataract

Minimal
Minimal
Minimal
Mild
Moderate
Moderate

Note: [CATARACT] TGLs = 1-17

Harderian Gland
Kidney
Liver

Adenoma
Nephropathy
Eosinophilic Focus
Hepatocellular Adenoma

Chronic, Minimal
Multiple

Note: [HEPATOCLR ADEN] TGLs = 7,8-1+12

Lung
Mammary Gland
Mesentery

Inflammation
Hyperplasia
Inflammation
Mineralization

Chronic Active, Mild
Cystic, Minimal
Necrotizing, Marked
Minimal

Note: [INFLAMMATION] TGLs = 2,9-11+15

Ovary

Atrophy
Cyst

Mild

Note: [CYST] TGLs = 3-14

Pituitary Gland

Pars Distalis

Adenoma

Multiple

Note: [ADENOMA] TGLs = 6-7

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 553

TRT#: 6
DOSE: 25 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 871803

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Histiocytic Sarcoma	

Note: WNL HISTOMORPHOLOGICALLY.

Note: TGL#4-NCL:THIS SECTION OF UTERUS CONSIDERED TO BE

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 554

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 1-12			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 555

TRT#: 6

SEX: Female

DAY ON TEST: 198

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Liver

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Tooth

Trachea

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Uterus

Hyperplasia

Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 556

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Tooth

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Salivary Glands
Stomach - Glandular
Trachea

OBSERVATIONS

Bone Marrow

Harderian Gland
Liver
 Note: HEPATOCLR ADEN TGLs = 1-11
Ovary
Uterus

Femoral
Thoracic, Vertebra

Myelofibrosis
Myelofibrosis
Hyperplasia
Hepatocellular Adenoma

Cyst
Hyperplasia

Minimal
Minimal
Moderate

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 557

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Lymph Node - Mesenteric
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OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
Note: [HEPATOCLR ADEN] TGLs = 2-11			
Note: [HDN] TGLs = 3-1			
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thymus		Cyst	
		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 558

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Minimal
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Diverticulum	Mild
Note: [DIVERTICULUM] TGLs = 2-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 559

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Minimal
	Tibia	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Moderate
Note: [NEPHROPATHY] TGLs = 6-1			
Liver		Eosinophilic Focus	
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Atrophy	Moderate
		Cyst	
		Thrombosis	
Note: [CYST] TGLs = 1-6+11			
Note: [THROMBUS] TGLs = 2-11			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Inflammation	Chronic Active, Moderate
Note: [ACANTHOSIS] TGLs = 3,4,5-12+13+14			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 559

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871809

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 560	TRT#: 6 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 871810
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Stomach	Glandular	Inflammation	Chronic Active, Mild
	Forestomach	Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 1-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 561

TRT#: 6

SEX: Female

DAY ON TEST: 166

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871811

OBSERVATIONS

Bone Marrow

Thoracic, Vertebra

Myelofibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 562

TRT#: 6

SEX: Female

DAY ON TEST: 678

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Marked
Note: NECROSIS TGLs = 1-11			
Note: HEPATOCLR CARC TGLs = 2-1			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-2			
Mesentery			
Note: IS INFARCTED LIVER LOBE HISTOMORPHOLOGICALLY.			
Note: TGL#1:MESENTERIC FAT NODULE,NOTED AT NECROPSY,			
Ovary		Atrophy	Moderate
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: INFARCTED LIVER LOBE.

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA;

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 563

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 564	TRT#: 6	SEX: Female	DAY ON TEST: 458
	DOSE: 25 PPM	DISP: Scheduled Sacrifice	HISTO: 871814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Ovary		Cyst	
Note: CYST	TGLs = 2-6		
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA	TGLs = 1-6+11		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 565

TRT#: 6

SEX: Female

DAY ON TEST: 648

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Salivary Glands
Thymus
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Skin
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Pancreas
Stomach - Forestomach
Tooth

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular
Trachea

OBSERVATIONS

Bone
Bone Marrow
Harderian Gland
 Note: ADENOCARC TGLs = 1-5+12
Lung
 Note: ADENOCARC TGLs = 6-2
Nose
Ovary
 Note: CYST TGLs = 4,5-6+11
Pituitary Gland
Spleen
 Note: HEMA CELL PROL TGLs = 2-1
Uterus
 Note: DILATATION TGLs = 3-6+11

Intervert Disc
Maxilla, Periosteum
Thoracic, Vertebra
Tibia

Pars Distalis

Degeneration
Proliferation
Myelofibrosis
Myelofibrosis
Adenocarcinoma

Adenocarcinoma

Inflammation
Atrophy
Cyst

Hyperplasia
Hematopoietic Cell Proliferation

Dilatation
Hyperplasia

Mild
Focal, Mild
Minimal
Minimal

Metastatic (Harderian Gland)

Suppurative, Moderate
Marked

Mild
Marked

Marked
Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: WITH ASSOCIATED PULMONARY METASTASES.

Animal Note: CAUSE OF MORBIDITY:HARDERIAN GLD ADENOCARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 565

TRT#: 6

SEX: Female

DAY ON TEST: 648

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871815

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 566

TRT#: 6

SEX: Female

DAY ON TEST: 459

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Tooth

Bone
Heart
Intestine Small - Duodenum
Lung
Nose
Salivary Glands
Stomach - Glandular
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Urinary Bladder

MISSING

Harderian Gland

INSUFFICIENT TISSUE

Ovary

OBSERVATIONS

Bone Marrow

Kidney
Liver
 Note: HEPATOCLR ADEN TGLs = 3,4-11
Mesentery
 Note: INFLAMMATION TGLs = 1-12
Uterus
 Note: HYPERPLASIA TGLs = 2-6

Femoral
Tibia

Myelofibrosis
Myelofibrosis
Nephropathy
Hepatocellular Adenoma

Inflammation

Hyperplasia

Mild
Minimal
Chronic, Minimal
Multiple

Necrotizing, Marked

Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 567

TRT#: 6

SEX: Female

DAY ON TEST: 636

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
Liver		Vacuolization Cytoplasmic	Minimal
Peripheral Nerve	Sciatic	Degeneration	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thymus		Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus		Hyperplasia	Cystic, Glandular, Marked

Note: [HYPERPLASIA] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:NEUROLOGICAL SIGNS CLINICALLY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 568

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,5,6,7-1+13+14			
Note: [EOSIN FOCUS] TGLs = 8-15			
Mesentery		Hemangioma	
		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 2-12			
Note: [HEMANGIOMA] TGLs = 1-11			
Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Mild
Pituitary Gland	Pars Distalis		
Note: [HYPERPLASIA] TGLs = 4-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 568	TRT#: 6 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 871818
ORGAN AND ACCOUNTABLE SITE STATUS			
Uterus		Hyperplasia	Cystic, Glandular, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 569

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Glandular	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Moderate
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Lung		Inflammation	Chronic Active, Mild
Ovary		Atrophy	Mild
		Cyst	
		Mineralization	Moderate
		Thrombosis	
Note: [CYST] TGLs = 2,5-6			
Note: [THROMBUS] TGLs = 2-6			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Inflammation	Chronic Active, Mild
Note: [ACANTHOSIS] TGLs = 3-11			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#4-NCL:NODULE,NOTED AT TRIM,NOT APPARENT			
Thymus		Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 569

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871819

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HYPERPLASIA] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 570

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Nose
Skin
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Stomach - Glandular

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Thymus

MISSING

Harderian Gland

INSUFFICIENT TISSUE

Ovary

OBSERVATIONS

Bone
Bone Marrow

Kidney

Liver

Intervertebral Disc
Femoral
Thoracic, Vertebra

Degeneration
Myelofibrosis
Myelofibrosis
Mineralization
Nephropathy
Eosinophilic Focus
Hemangioma
Hepatoblastoma
Hepatocellular Adenoma

Mild
Mild
Mild
Minimal
Chronic, Minimal

Note: [HEMANGIOMA] TGLs = 5-14
Note: [EOSIN FOCUS] TGLs = 6,7-2+13
Note: [HEPATOCLER ADEN] TGLs = 8-15
Note: [HEPATOBLASTOMA] TGLs = 2-16

Mesentery

Note: [INFLAMMATION] TGLs = 1-12

Pituitary Gland
Spleen
Stomach

Pars Distalis

Forestomach

Inflammation

Hyperplasia
Hematopoietic Cell Proliferation
Squamous Cell Papilloma

Necrotizing, Marked

Moderate
Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 570

TRT#: 6
DOSE: 25 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 871820

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL\$4-NCL:FOCUS,NOTED AT TRIM,NOT APPARENT

Note: [SQ CL PAPILOM] TGLs = 3-11

Note: HISTOMORPHOLOGICALLY.

Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 571

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Skin
Thymus

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Spleen
Trachea

Brain
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular

OBSERVATIONS

Bone
Bone Marrow

Gallbladder
Note: GALLBLADDER IN B11.

Intervert Disc
Femoral
Thoracic, Vertebra

Degeneration
Myelofibrosis
Myelofibrosis

Mild
Minimal
Mild

Kidney
Liver
Note: [HEPATOCLR ADEN] TGLs = 1,2,3-11+12
Lung
Note: [ALV BRON ADEN] TGLs = 5-2

Nephropathy
Hepatocellular Adenoma

Alveolar/Bronchiolar Adenoma

Chronic, Minimal
Multiple

Mammary Gland
Ovary

Hyperplasia
Atrophy
Cyst
Adenoma

Cystic, Mild
Mild

Pituitary Gland
Note: [ADENOMA] TGLs = 4-7

Pars Distalis
Follicular Cel
Dentine, Incisor

Hyperplasia
Dysplasia
Hyperplasia

Mild
Minimal
Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 572

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral Thoracic, Vertebra	Myelofibrosis Myelofibrosis Mineralization Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Minimal Minimal Minimal Multiple
Kidney			
Liver			
Note: [HEPATOCLR CARC] TGLs = 5-13 Note: [HEPATOCLR ADEN] TGLs = 2,3,4,6,7-1+2+11+12			
Ovary		Atrophy Cyst	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Dilatation Hyperplasia	Marked Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 1-14 Note: [DILATATION] TGLs = 1-14			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 574

TRT#: 6

SEX: Female

DAY ON TEST: 624

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Tooth

Bone
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Urinary Bladder

OBSERVATIONS

Bone Marrow

Humerus

Myelofibrosis

Mild

Thoracic, Vertebra

Myelofibrosis

Mild

Uterus

Dilatation

Marked

Note: DILATATION TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 575

TRT#: 6

SEX: Female

DAY ON TEST: 652

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Marrow	Humerus Thoracic, Vertebra	Myelofibrosis Myelofibrosis	Mild Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3,4,7-13			
Lymph Node			
Note: TGL#6-NCL:ENLARGED RENAL LYMPH NODES,NOTED AT			
Note: NECROPSY,ARE MULTIPLE PIECES OF CONGESTED			
Note: TGL#5-NCL:MANDIBULAR LYMPH NODES CONSIDERED TO BE			
Note: WNL HISTOMORPHOLOGICALLY.			
Note: MESENTERIC FAT HISTOMORPHOLOGICALLY.			
Ovary		Cyst	
Skin		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-12			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: INFLAMMATORY PROCESS.

Animal Note: CAUSE OF MORBIDITY:CHRONIC-ACTIVE CUTANEOUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 576

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Thoracic, Vertebra	Osteosclerosis	Mild
	Humerus, Periosteum	Proliferation	Focal, Mild
Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3-1+11			
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 4-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 5-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 577

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 2-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 578

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-1			
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 1-11			
Parathyroid Gland		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Hyperplasia	Lymphoid, Moderate
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: [HYPERPLASIA] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 579

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-2			
Note: [EOSIN FOCUS] TGLs = 2-2			
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Atrophy	Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Thymus		Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 582

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Cyst	
		Mineralization	Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 5,6-1+2			
Note: [HEPATOCLR ADEN] TGLs = 5-1			
Note: [EOSIN FOCUS] TGLs = 7-11			
Lymph Node			
Note: TGL\$-NCL:MESENTERIC LYMPH NODE CONSIDERED TO BE			
Note: RED COLOR DUE TO ENGORGEMENT WITH BLOOD.			
Note: WNL HISTOMORPHOLOGICALLY.			
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 3-12			
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Mast Cell Tumor Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 582

TRT#: 6
DOSE: 25 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871832

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [MAST CL TM MAL] TGLs = 1-3+5

Thyroid Gland
Uterus

Follicular Cel

Hyperplasia
Dilatation
Hyperplasia

Minimal
Marked
Cystic, Glandular, Mild

Note: [DILATATION] TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 583

TRT#: 6

SEX: Female

DAY ON TEST: 617

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-2			
Ovary		Cyst	
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Inflammation	Chronic Active, Mild
Note: ACANTHOSIS TGLs = 3-4+11			
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PROBABLY FORESTOMACH ULCER.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 584

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Stomach - Glandular

Brain
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Trachea

OBSERVATIONS

Bone
Bone Marrow

Intervert Disc
Femoral
Humerus
Maxilla
Thoracic, Vertebra
Tibia

Degeneration
Myelofibrosis
Myelofibrosis
Myelofibrosis
Myelofibrosis
Myelofibrosis
Mineralization
Nephropathy
Hepatocellular Adenoma

Mild
Minimal
Minimal
Mild
Moderate
Minimal
Minimal
Chronic, Minimal

Liver
Note: [HEPATOCLR ADEN] TGLs = 2,3,4-1

Lung
Alveolar Epith

Hyperplasia
Inflammation

Mild
Chronic Active, Mild

Note: [HYPERPLASIA] TGLs = 5-2

Ovary
Thyroid Gland

Follicular Cel
Dentine, Incisor

Atrophy
Hyperplasia

Mild
Mild

Tooth

Dysplasia

Minimal

Uterus

Dilatation

Marked

Note: VESSEL FILLED WITH BLOOD.

Note: TGL#6-NCL:FOCUS,NOTED AT TRIM,IS DILATED BLOOD

Note: [DILATATION] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 585

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Skin
Thymus

Bone
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Heart
Intestine Small - Duodenum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone Marrow
Kidney
Liver
 Note: HEPATOCLR ADEN TGLs = 2,3-11
Tooth
Uterus
 Note: HYPERPLASIA TGLs = 1-6

Thoracic, Vertebra

Dentine, Incisor

Myelofibrosis
Nephropathy
Hepatocellular Adenoma

Dysplasia
Hyperplasia

Minimal
Chronic, Mild
Multiple

Minimal
Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 586	TRT#: 6 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 871836
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN]	TGLs = 1,2,3,5,6-1+2		
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC]	TGLs = 4-2		
Ovary		Atrophy	Mild
Stomach	Glandular	Cyst	
Note: [CYST]	TGLs = 7-4		
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
		Ultimobranchial Cyst	
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 587

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM BGN] TGLs = 7-7	Medulla	Pheochromocytoma Benign	
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver Note: [HEPATOCLR ADEN] TGLs = 1,2,3,4,5-1+11+12+13 Note: [EOSIN FOCUS] TGLs = 6-12		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Ovary		Atrophy	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 588

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
Ear		Fibrosarcoma	
Note: [FIBROSARC] TGLs = 4-11			
Kidney		Mineralization	Minimal
Lung	Alveolar Epith	Hyperplasia	Mild
Ovary		Atrophy	Mild
		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: [FIBROSARC] TGLs = 1,2-12+13			
Spleen		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 589

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Fibrosis	Mild
Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Harderian Gland		Hyperplasia	Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 3-11			
Lung	Alveolar Epith	Hyperplasia	Mild
Ovary		Atrophy	Mild
		Cyst	
Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Moderate
Note: [HEMA CELL PROL] TGLs = 1-1			
Note: [HYPERPLASIA] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 2-6			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 589

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871839

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [DILATATION] TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 591

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Clitoral Gland
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mesentery

OBSERVATIONS

Bone Note: [DEGEN] TGLs = 4-16	Cartilage, Rib	Degeneration	Moderate
Bone Marrow	Femoral	Hemangiosarcoma	
	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Clitoral Gl Note: HISTOMORPHOLOGICALLY. Note: TGL#2-NCL:CLITORAL GLD CONSIDERED TO BE WNL			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver Note: [EOSIN FOCUS] TGLs = 8,12-1+14 Note: [HEPATOCLR ADEN] TGLs = 5,6,7,10,11-1+2+12+13		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Lymph Node Note: MANDIBULAR LYMPH NODE IN B03.			
Mesentery Note: TGL#3-NCL:FAT NODULE,NOTED AT NECROPSY,NOT			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 591	TRT#: 6 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 871841
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: PRESENT AT TRIM.			
Ovary		Atrophy	Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [SQ CL PAPILOM] TGLs = 9-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Mild
Note: [DILATATION] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 592

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Liver
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Tooth

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow
Kidney
Uterus
Note: HYPERPLASIA TGLs = 1-6

Thoracic, Vertebra

Myelofibrosis
Nephropathy
Hyperplasia

Mild
Chronic, Minimal
Cystic, Glandular, Marked

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 593

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Brain	White Matter	Degeneration	Mild
	Neuron	Necrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Vacuolization Cytoplasmic	Marked
Ovary		Atrophy	Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Inflammation	Chronic Active, Mild
Note: ACANTHOSIS	TGLs = 2-4		
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Dilatation	Moderate
		Hyperplasia	Cystic, Glandular, Mild

Note: DILATATION TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:CLINICAL SIGNS OF TREMORS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 594

TRT#: 6

SEX: Female

DAY ON TEST: 534

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Ovary		Cyst	
Uterus		Dilatation	Moderate
Note: DILATATION TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 595

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Lung
Nose
Salivary Glands
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Skin
Thymus
Urinary Bladder

Bone
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Tooth

OBSERVATIONS

Kidney
Liver
Pancreas
Uterus

Nephropathy
Eosinophilic Focus
Inflammation
Dilatation
Hyperplasia

Chronic, Minimal

Chronic Active, Mild
Marked
Cystic, Glandular, Moderate

Note: HYPERPLASIA TGLs = 1-6

Note: DILATATION TGLs = 1-6

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 596

TRT#: 6

SEX: Female

DAY ON TEST: 698

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Thymus
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OBSERVATIONS

Brain		Compression	
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN	TGLs = 1-1		
Note: HEPATOCLR CARC	TGLs = 1-2		
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION	TGLs = 3-4		
Ovary		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 2-6		
Note: ONLY ONE OVARY AVAILABLE FOR HISTOMORPHOLOGIC			
Note: EXAMINATION.			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-3		
Spleen		Hematopoietic Cell Proliferation	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:OVARIAN HEMANGIOSARCOMA;

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 596

TRT#: 6

SEX: Female

DAY ON TEST: 698

DOSE: 25 PPM

DISP: Natural Death

HISTO: 871846

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 597

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Minimal
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-5			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,5-1+2			
Lung		Inflammation	Chronic Active, Mild
		Pigmentation	Hemosiderin, Mild
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thymus		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 4-6			
Note: [DILATATION] TGLs = 4-6			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 597

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871847

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 599

TRT#: 6

SEX: Female

DAY ON TEST: 587

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea		

OBSERVATIONS

Clitoral Gland	Duct	Dilatation	Moderate
Note: DILATATION	TGLs = 4-14		
Kidney		Lymphoma Malignant Mixed	
		Mineralization	Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Mixed	
		Necrosis	Coagulative, Minimal
Note: LYMPH MAL MIXD	TGLs = 10,13-1+16		
Note: HEPATOCLR ADEN	TGLs = 9,12-1+15		
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3,11,14-1+4+7		
Mesentery		Inflammation	Necrotizing, Moderate
		Lymphoma Malignant Mixed	
Note: INFLAMMATION	TGLs = 6-11		
Ovary		Cyst	
Note: CYST	TGLs = 7-6		
Pancreas		Lymphoma Malignant Mixed	
Skin		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 599

TRT#: 6

SEX: Female

DAY ON TEST: 587

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871849

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION TGLs = 1,2-12+13

Spleen

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 5-1

Thymus

Lymphoma Malignant Mixed

Urinary Bladder

Lymphoma Malignant Mixed

Uterus

Dilatation

Moderate

Note: DILATATION TGLs = 8-6

Note: HYPERPLASIA TGLs = 8-6

Hyperplasia

Cystic, Glandular, Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:LYMPH MAL MIXED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 600

TRT#: 6

SEX: Female

DAY ON TEST: 395

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Harderian Gland	Mammary Gland
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INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Eye		Phthisis Bulbi	
Note: PHTHISIS BULBI	TGLs = 1-11		
Mesentery		Fibrosarcoma	Metastatic (Skin)
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 3-12		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 2-13		
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:SUBCUTANEOUS FIBROSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 601	TRT#: 6 DOSE: 25 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO: 871851
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Urinary Bladder	

MISSING

Trachea

OBSERVATIONS

Kidney		Metaplasia Mineralization Nephropathy	Osseous, Mild Minimal Chronic, Moderate
Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 2-1 Note: [HEPATOCLR CARC] TGLs = 1-11			
Ovary		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid GI Note: HISTOMORPHOLOGICAL EXAMINATION. Note: ONLY ONE THYROID GLD AVAILABLE FOR			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:21
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 603 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 737
DOSE: 25 PPM **DISP:** Terminal Sacrifice **HISTO:** 871853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN]	TGLs = 6,7,8,10,11-11+15+16+17		
Note: [LYMPH MAL MIXD]	TGLs = 3,5,10-11+12+13		
Note: [HEPATOCLR CARC]	TGLs = 2,4-12+13+14		
Lung		Mineralization	Minimal
Note: [MINERALIZATION]	TGLs = 9-2		
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION]	TGLs = 1-18		
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 603

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871853

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 604

TRT#: 6

SEX: Female

DAY ON TEST: 534

DOSE: 25 PPM

DISP: Moribund Sacrifice

HISTO: 871854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
Brain		Compression	
		Hydrocephalus	Moderate
Note: ADENOMA HISTOMORPHOLOGICALLY.			
Note: TGL#1: LESION, NOTED AT NECROPSY, IS PITUITARY GLD			
Kidney		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-3			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY: PITUITARY GLD ADENOMA WITH

Animal Note: RESULTANT COMPRESSION OF BRAIN AND HYDROCEPHALUS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 605

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4-1			
Mammary Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-11			
Ovary		Atrophy	Moderate
		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 606

TRT#: 6

SEX: Female

DAY ON TEST: 459

DOSE: 25 PPM

DISP: Scheduled Sacrifice

HISTO: 871856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

Note: HYPERPLASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 607

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Skin
Tooth

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Salivary Glands
Thyroid Gland

MISSING

Ovary

OBSERVATIONS

Bone
Bone Marrow

Intervert Disc
Femoral
Humerus
Thoracic, Vertebra

Degeneration
Myelofibrosis
Myelofibrosis
Myelofibrosis
Lymphoma Malignant Mixed
Mineralization
Nephropathy
Hepatocellular Carcinoma
Lymphoma Malignant Mixed

Mild
Minimal
Mild
Mild
Minimal
Chronic, Minimal

Liver

Lymphoma Malignant Mixed
Ectasia
Lymphoma Malignant Mixed

Marked

Note: [HEPATOCLR CARC] TGLs = 3-13

Lung

Lymph Node

Mesenteric, Sinus
Renal

Note: [ECTASIA] TGLs = 2-12

Note: [LYMPH MAL MIXD] TGLs = 4-11

Pituitary Gland

Spleen

Pars Distalis

Hyperplasia
Hematopoietic Cell Proliferation
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Dilatation

Mild
Moderate
Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 607

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871857

ORGAN AND ACCOUNTABLE SITE STATUS

Hyperplasia

Cystic, Glandular, Moderate

Note: [HYPERPLASIA] TGLs = 1-6

Note: [DILATATION] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 609

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Tooth
Trachea			

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Moderate
Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
Note: [EOSIN FOCUS] TGLs = 8,9-1			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 4-2			
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3,5-11+12			
Ovary		Atrophy	Mild
		Cystadenoma	Papillary
Note: [CYSTADENOMA] TGLs = 2-14			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-1			
Stomach	Forestomach	Acanthosis	Moderate
Note: [ACANTHOSIS] TGLs = 6-4			
Note: TGL#7-NCL:FOCUS,NOTED AT TRIM,NOT APPARENT			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 609

TRT#: 6
DOSE: 25 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871859

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOPATHOLOGICALLY.

Thyroid Gland
Urinary Bladder
Uterus

Follicular Cel

Hyperplasia
Lymphoma Malignant Mixed
Hyperplasia

Minimal
Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 610

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Histiocytic Sarcoma	
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 6-1			
Lung		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 5-11			
Lymph Node	Mediastinal	Histiocytic Sarcoma	
	Mesenteric	Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 3,4-12+13			
Mesentery		Histiocytic Sarcoma	
Ovary		Atrophy	Mild
Pancreas		Histiocytic Sarcoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 1-1			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 610

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 PPM

DISP: Terminal Sacrifice

HISTO: 871860

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HYPERPLASIA] TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 611

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Moderate
	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: HEPATOCLR ADEN TGLs = 2-12			
Mesentery		Inflammation	Necrotizing, Moderate
Note: INFLAMMATION TGLs = 1-11			
Thymus		Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 612

TRT#: 8

SEX: Female

DAY ON TEST: 587

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Histiocytic Sarcoma	
Intestine Small	Duodenum	Inflammation	Chronic Active, Marked
Kidney			
Note: TGL#3-NCL:KIDNEYS CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Liver		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 4-1+2			
Lung		Histiocytic Sarcoma	
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 2-11			
Nose		Histiocytic Sarcoma	
		Inflammation	Chronic Active, Mild
Pancreas			
Note: & INFLAMMED MESENTERIC FAT HISTOMORPHOLOGICALLY.			
Note: TGL#2:NODULE,NOTED AT NECROPSY,IS FOCUS OF NECROTIC			
Skeletal Muscle		Histiocytic Sarcoma	
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 1-1			
Tooth	Incisor, Peridont Tiss	Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 612

TRT#: 8
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 587
HISTO: 871652

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:HISTIOCYTIC SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 613

TRT#: 8

SEX: Female

DAY ON TEST: 459

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Lymph Node Note: MANDIBULAR LYMPH NODE IN B03.			
Uterus Note: HYPERPLASIA TGLs = 1-6		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 615

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral Thoracic, Vertebra	Myelofibrosis Myelofibrosis Mineralization Nephropathy	Mild Mild Minimal Chronic, Minimal
Kidney		Hepatocellular Adenoma	Multiple
Liver		Atrophy	Moderate
Ovary		Hyperplasia	Marked
Pituitary Gland	Pars Distalis		
Note: [HYPERPLASIA] TGLs = 1-7			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 616

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Note: [DEGEN] TGLs = 3-12	Cartilage, Rib	Degeneration	Moderate
Bone Marrow	Femoral Maxilla Thoracic, Vertebra	Myelofibrosis Myelofibrosis Myelofibrosis	Minimal Minimal Mild
Kidney		Metaplasia	Osseous, Mild
Liver Note: [HEPATOCLR ADEN] TGLs = 4-1		Hepatocellular Adenoma	
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery Note: [INFLAMMATION] TGLs = 1-11		Inflammation Mineralization	Necrotizing, Moderate Moderate
Ovary Note: TGL#2-NCL:CYST,NOTED AT NECROPSY,NOT APPARENT Note: HISTOMORPHOLOGICALLY.		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 617

TRT#: 8

SEX: Female

DAY ON TEST: 653

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Bone	Intervertebral Disc	Degeneration	Moderate
Bone Marrow	Femoral	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Necrosis	Coagulative, Mild
		Vacuolization Cytoplasmic	Moderate
Note: VACUOLIZ CYTO TGLs = 2-1+2			
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus		Hyperplasia	Cystic, Glandular, Mild
		Polyp Stromal	

Note: POLYP STROMAL TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:INFARCTED UTERINE STROMAL POLYP.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 618

TRT#: 8

SEX: Female

DAY ON TEST: 165

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871658

OBSERVATIONS

Bone Marrow

Femoral

Myelofibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 619

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow	Femoral Thoracic, Vertebra	Myelofibrosis Myelofibrosis Mineralization Nephropathy Inflammation Pigmentation	Minimal Minimal Minimal Chronic, Minimal Chronic Active, Mild Hemosiderin, Mild
Liver			
Note: [INFLAMMATION] TGLs = 4-1+2			
Note: [PIGMENT] TGLs = 4-1+2			
Lymph Node	Mesenteric, Sinus	Ectasia	Marked
Note: [CYST] TGLs = 2-6			
Ovary		Cyst	
Note: MESENTERIC LYMPH NODE WITH SINUS ECTASIA & WAS			
Note: SO DIAGNOSED.			
Note: [CYST] TGLs = 2-6			
Note: TGL#2: ONLY ONE OVARY WAS CYSTIC UPON HISTOMORPHO-			
Note: LOGICAL EXAMINATION. THE OTHER CYST WAS REALLY A			
Pancreas	Acinus	Atrophy	Moderate
Spleen		Depletion Lymphoid Fibrosis Hematopoietic Cell Proliferation	Mild Moderate Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 619

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871659

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [FIBROSIS] TGLs = 3-1

Note: [HEMA CELL PROL] TGLs = 3-1

Thyroid Gland

Tooth

Uterus

Dentine, Incisor

Inflammation

Dysplasia

Dilatation

Hyperplasia

Chronic Active, Minimal

Minimal

Marked

Cystic, Glandular, Mild

Note: [DILATATION] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 620

TRT#: 8

SEX: Female

DAY ON TEST: 313

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Tooth

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Trachea

Bone
Harderian Gland
Intestine Large - Rectum
Kidney
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Urinary Bladder

Brain
Heart
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

MISSING

Intestine Small - Duodenum

OBSERVATIONS

Bone Marrow
Uterus

Thoracic, Vertebra

Myelofibrosis
Hyperplasia

Minimal
Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 621

TRT#: 8

SEX: Female

DAY ON TEST: 459

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Spleen
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OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Liver		Eosinophilic Focus	
Note: PATHOLOGICALLY.			
Note: TGL#3-NCL:FOCUS,NOTED AT TRIM,NOT APPARENT HISTO-			
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 1-12			
Thymus		Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: HYPERPLASIA TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 622

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Skin
Thymus

Bone
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Spleen
Thyroid Gland

Brain
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone Marrow

Kidney
Liver
 Note: [HEPATOCLR ADEN] TGLs = 2-11
Lung
 Note: [ALV BRON ADEN] TGLs = 3-2
Ovary

 Note: [CYST] TGLs = 1-6
Pancreas
Pituitary Gland
 Note: [CYST] TGLs = 4-7
Tooth
Uterus

Femoral
Humerus
Thoracic, Vertebra

Acinus
Pars Distalis

Dentine, Incisor

Myelofibrosis
Myelofibrosis
Myelofibrosis
Nephropathy
Hepatocellular Adenoma

Alveolar/Bronchiolar Adenoma

Atrophy
Cyst

Atrophy
Cyst

Dysplasia
Hyperplasia

Minimal
Minimal
Mild
Chronic, Minimal

Mild

Minimal

Minimal
Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 623

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Small - Ileum
Pituitary Gland
Trachea

Adrenal Gland - Medulla
Harderian Gland
Islets, Pancreatic
Skin

Bone
Intestine Large - Colon
Mammary Gland
Stomach - Forestomach

Esophagus
Intestine Large - Rectum
Parathyroid Gland
Thyroid Gland

OBSERVATIONS

Bone Marrow

Femoral

Hemangiosarcoma

Femoral

Lymphoma Malignant Mixed

Brain

Lymphoma Malignant Mixed

Heart

Lymphoma Malignant Mixed

Intestine Large

Cecum

Lymphoma Malignant Mixed

Intestine Small

Duodenum

Lymphoma Malignant Mixed

Jejunum, Lymphoid Tiss

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 9-4+15

Kidney

Lymphoma Malignant Mixed

Mineralization

Minimal

Liver

Hepatocellular Adenoma

Multiple

Lymphoma Malignant Mixed

Necrosis

Coagulative, Moderate

Note: NECROSIS TGLs = 12-1+2+14

Note: HEPATOCLR ADEN TGLs = 10,11-1+14

Note: LYMPH MAL MIXD TGLs = 12-1+2+14

Lung

Lymphoma Malignant Mixed

Lymph Node

Inguinal

Lymphoma Malignant Mixed

Mandibular

Lymphoma Malignant Mixed

Mediastinal

Lymphoma Malignant Mixed

Mesenteric

Lymphoma Malignant Mixed

Pancreatic

Lymphoma Malignant Mixed

Popliteal

Lymphoma Malignant Mixed

Renal

Lymphoma Malignant Mixed

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 623

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871663

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL MIXD TGLs = 1,3,5,7,8,13,14,15,17-

Note: LYMPH MAL MIXD TGLs = 4+7+6+11+12+16+17+18

Mesentery

Lymphoma Malignant Mixed

Nose

Lymphoma Malignant Mixed

Ovary

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 6-6

Pancreas

Lymphoma Malignant Mixed

Salivary Glands

Lymphoma Malignant Mixed

Spleen

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 4-13

Stomach

Glandular

Lymphoma Malignant Mixed

Thymus

Lymphoma Malignant Mixed

Tooth

Dentine, Incisor

Dysplasia

Minimal

Urinary Bladder

Lymphoma Malignant Mixed

Uterus

Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:LYMPH MAL MIXED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 624

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral Thoracic, Vertebra	Myelofibrosis Myelofibrosis	Minimal Mild
Harderian Gland		Adenoma	
Kidney		Mineralization Nephropathy	Minimal Chronic, Minimal
Liver		Eosinophilic Focus Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 5,6,7,8,9-1+11+12+13			
Ovary		Atrophy Cyst	Mild
Note: [CYST] TGLs = 2-6			
Spleen		Hyperplasia	Lymphoid, Marked
Note: [HYPERPLASIA] TGLs = 1-1			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 10-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 625	TRT#: 8 DOSE: 100 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 871665
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 3-5			
Kidney		Mineralization	Minimal
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Ovary		Atrophy	Moderate
		Cyst	
Note: [CYST] TGLs = 1-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 2-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 626	TRT#: 8 DOSE: 100 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 871666
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Lung	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tooth
Trachea			

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-4			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 627

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Moderate
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3-11			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 2-12			
Ovary		Atrophy	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 4-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 628

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Mixed	
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Lymphoma Malignant Mixed	
		Mineralization	Minimal
Liver		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 3-6			
Pancreas		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-1			
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 629

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Uterus		Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 630	TRT#: 8 DOSE: 100 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 871670
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Gallbladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Moderate
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Mild
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-11			
Lung		Mineralization	Mild
Lymph Node	Axillary	Lymphoma Malignant Undifferentiated Cell Type	
	Inguinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 4-13			
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Inflammation	Necrotizing, Marked
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [INFLAMMATION] TGLs = 2-12			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 630	TRT#: 8 DOSE: 100 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 871670
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ORGAN AND ACCOUNTABLE SITE STATUS

Ovary		Atrophy Cyst	Mild
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-1			
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 631

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN] TGLs = 2,3-11			
Note: [HEPATOCLR CARC] TGLs = 4-12			
Ovary		Atrophy	Mild
		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked

Note: [HYPERPLASIA] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 632

TRT#: 8

SEX: Female

DAY ON TEST: 611

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Salivary Glands
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Tooth

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow Thoracic, Vertebra
Ovary
Uterus

Myelofibrosis
Atrophy
Dilatation
Hyperplasia
Minimal
Moderate
Moderate
Cystic, Glandular, Mild

Note: HISTOMOPHOLOGICALLY.

Note: TGL#1:MASS,NOTED AT NECROPSY,NOT APPARENT

Note: DILATATION TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 633

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Hematopoietic Cell Proliferation	Mild
Ovary		Atrophy	Mild
		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 634

TRT#: 8

SEX: Female

DAY ON TEST: 411

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Harderian Gland	Heart	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pituitary Gland	Salivary Glands
Skin	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Stomach - Forestomach	Stomach - Glandular	

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
Ovary		Cyst	
Note: CYST TGLs = 1-6			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-1			
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:LARGE, HEMORRHAGIC OVARIAN CYST.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 636

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Mild
	Dentine, Incisor	Necrosis	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 637

TRT#: 8

SEX: Female

DAY ON TEST: 527

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
Brain		Compression	
		Hydrocephalus	Moderate
Ear	Middle Ear	Inflammation	Suppurative, Marked
		Squamous Cell Papilloma	
Note: SQ CL PAPILOM TGLs = 3-13+14+15			
Liver		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 1,2-12			
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Atrophy	Moderate
Pituitary Gland	Craniophar Dct, Pars Distalis	Cyst	
	Craniophar Dct, Pars Distalis	Inflammation	Suppurative, Marked
Note: CYST TGLs = 4-7			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Inflammation	Chronic Active, Mild
Note: ACANTHOSIS TGLs = 5-11			
Uterus		Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:PITUITARY CYST & INFLAMMATION
 Animal Note: HYDROCEPHALUS. HEPATOCELLULAR CARCINOMA;

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 637

TRT#: 8

SEX: Female

DAY ON TEST: 527

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871677

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: SQUAMOUS PAPILLOMA OF EXTERNAL EAR CANAL &

Animal Note: WITH RESULTING COMPRESSION OF BRAIN AND

Animal Note: SUPPURATIVE OTITIS MEDIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 639

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 641

TRT#: 8

SEX: Female

DAY ON TEST: 165

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Pituitary GI

Note: TGL#1-NCL-PIGMENT,NOTED AT TRIM,NOT APPARENT

Note: HISTOPATHOLOGICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 643

TRT#: 8

SEX: Female

DAY ON TEST: 657

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Necrosis	Coagulative, Marked
		Vacuolization Cytoplasmic	Mild
Note: NECROSIS	TGLs = 1,4-11+12		
Note: HEPATOCLR ADEN	TGLs = 2-2		
Ovary		Atrophy	Moderate
		Cyst	
Tooth	Ameloblast, Incisor	Degeneration	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:REAR LEG PARALYSIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 644

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Adenoma	
		Necrosis	Coagulative, Marked
Note: NECROSIS TGLs = 3-11			
Note: HEPATOCLR ADEN TGLs = 3-11			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 4-2			
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Inflammation	Necrotizing, Moderate
Note: INFLAMMATION TGLs = 1-12			
Ovary		Atrophy	Moderate
Spleen			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#2-NCL:SPLEEN CONSIDERED TO BE WNL			
Tooth	Dentine, Incisor	Dysplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 644

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871684

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: WITH RESULTANT MASSIVE HEPATOCELLULAR NECROSIS.

Animal Note: CAUSE OF DEATH:TORTION OF HEPATOCELLULAR ADENOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 645

TRT#: 8

SEX: Female

DAY ON TEST: 379

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Brain

Esophagus

Gallbladder

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Harderian Gland

INSUFFICIENT TISSUE

Ear

OBSERVATIONS

Adrenal Gland

Cortex

Lymphoma Malignant Lymphocytic

Bone Marrow

Femoral

Lymphoma Malignant Lymphocytic

Maxilla

Myelofibrosis

Minimal

Heart

Cardiomyopathy

Chronic, Mild

Kidney

Lymphoma Malignant Lymphocytic

Liver

Lymphoma Malignant Lymphocytic

Lymphoma Malignant Lymphocytic

Necrosis

Coagulative, Mild

Note: LYMPH MAL LYMP TGLs = 6-1+2

Lung

Lymphoma Malignant Lymphocytic

Lymph Node

Axillary

Lymphoma Malignant Lymphocytic

Mandibular

Lymphoma Malignant Lymphocytic

Mediastinal

Lymphoma Malignant Lymphocytic

Mesenteric

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 2-7+11

Note: LYMPH MAL LYMP TGLs = 1-3

Note: LYMPH MAL LYMP TGLs = 4-4

Note: MANDIBULAR LYMPH NODE IN B03.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 645	TRT#: 8	SEX: Female	DAY ON TEST: 379
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 871685

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL LYMP TGLs = 7-13

Saliv Glands

Note: MANDIBULAR SALIVARY GLAND IN B07.

Spleen Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 3-1

Tooth Dentine, Incisor

Dysplasia Minimal

Uterus Hyperplasia Cystic, Glandular, Marked

Lymphoma Malignant Lymphocytic

Note: HYPERPLASIA TGLs = 5-6+12

PRIMARY CAUSE OF DEATH

-

Animal Note: HEAD TILT NOTED CLINICALLY.

Animal Note: LYMPHOCYTIC.PROBABLE OTITIS MEDIA/INTERNA

Animal Note: CAUSE OF MORBIDITY:LYMPHOSARCOMA,MALIGNANT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 646

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Intervert Disc	Degeneration	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Moderate
		Cyst	
Note: [CYST] TGLs = 1-6			
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Mild

Note: [DILATATION] TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 647

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral Thoracic, Vertebra	Myelofibrosis Myelofibrosis	Minimal Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 2,3-1+12			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 4-13			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 648

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-11			
Ovary		Atrophy	Moderate
		Cyst	
Note: [CYST] TGLs = 2-6			
Note: EXAMINATION.			
Note: ONLY ONE OVARY AVAILABLE FOR HISTOMORPHOLOGIC			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: [HEMA CELL PROL] TGLs = 3-1			
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Moderate
Note: [DILATATION] TGLs = 1-12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 649

TRT#: 8

SEX: Female

DAY ON TEST: 617

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Mild
Intestine Small	Duodenum	Inflammation	Chronic Active, Moderate
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 3-1		
Liver		Necrosis	Coagulative, Moderate
		Vacuolization Cytoplasmic	Marked
Note: VACUOLIZ CYTO	TGLs = 2-1+2+11		
Lung		Inflammation	Chronic Active, Minimal
Ovary		Cyst	
Note: ONLY ONE OVARY AVAILABLE FOR HISTOPATHOLOGIC EXAM.			
Note: CYST	TGLs = 1-6		
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Inflammation	Chronic Active, Marked
Note: ACANTHOSIS	TGLs = 5-4		
Note: INFLAMMATION	TGLs = 5-4		
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: DUODENUM;HEPATIC NECROSIS, & CHRONIC NEPHROPATHY.

Animal Note: CAUSE OF MORBIDITY:ULCERATION OF FORESTOMACH &

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 649

TRT#: 8

SEX: Female

DAY ON TEST: 617

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871689

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 650

TRT#: 8

SEX: Female

DAY ON TEST: 692

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Gallbladder
Parathyroid Gland
Thyroid Gland

Bone
Intestine Large - Cecum
Pituitary Gland
Trachea

Brain
Intestine Large - Colon
Salivary Glands

Esophagus
Nose
Stomach - Forestomach

MISSING

Harderian Gland

Thymus

OBSERVATIONS

Adrenal Gland

Cortex

Histiocytic Sarcoma

Note: ONE ADRENAL GLD ON SLIDE #6 & ONE ON SLIDE #7.

Bone Marrow

Femoral
Maxilla

Histiocytic Sarcoma
Myelofibrosis

Minimal

Heart

Histiocytic Sarcoma

Intestine Large

Rectum

Histiocytic Sarcoma

Intestine Small

Duodenum
Ileum
Jejunum

Histiocytic Sarcoma
Histiocytic Sarcoma
Histiocytic Sarcoma

Islets, Pancreatic

Histiocytic Sarcoma

Kidney

Histiocytic Sarcoma
Hydronephrosis

Marked

Note: HYDRONEPHROSIS TGLs = 6-1

Liver

Histiocytic Sarcoma

Note: HISTIO SARC TGLs = 5-1

Lung

Histiocytic Sarcoma

Lymph Node

Mandibular
Mediastinal
Mesenteric

Histiocytic Sarcoma
Histiocytic Sarcoma
Histiocytic Sarcoma

Mammary Gland

Histiocytic Sarcoma

Mesentery

Histiocytic Sarcoma
Inflammation

Necrotizing, Marked

Note: HISTIO SARC TGLs = 2-11

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 650	TRT#: 8	SEX: Female	DAY ON TEST: 692
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 871690

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION	TGLs = 3-11		
Ovary		Histiocytic Sarcoma	
Note: HISTOMORPHOLOGIC EXAMINATION.			
Note: ONLY ONE OVARY AVAILABLLLE FOR			
Pancreas		Histiocytic Sarcoma	
Note: HISTIO SARC	TGLs = 4-4		
Skin		Histiocytic Sarcoma	
		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION	TGLs = 1-12		
Spleen		Histiocytic Sarcoma	
Stomach	Glandular	Histiocytic Sarcoma	
Tooth	Dentine, Incisor	Dysplasia	Minimal
Urinary Bladder		Histiocytic Sarcoma	
Uterus		Histiocytic Sarcoma	
Note: HISTIO SARC	TGLs = 8-6		

PRIMARY CAUSE OF DEATH -
Animal Note: CAUSE OF MORBIDITY:HISTIO SARC.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 651

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Liver		Eosinophilic Focus	
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

Note: HYPERPLASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 652

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Glandular

Brain
Heart
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Thymus

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Skin
Trachea

OBSERVATIONS

Bone
Bone Marrow

Liver
Lymph Node
Note: MANDIBULAR LYMPH NODE IN B03.
Ovary
Spleen
Note: [LYMPH MAL MIXD] TGLs = 2-1
Thyroid Gland
Tooth
Uterus
Note: [HYPERPLASIA] TGLs = 1-6

Intervert Disc
Femoral
Humerus
Maxilla
Thoracic, Vertebra
Tibia

Mesenteric

Follicular Cel
Dentine, Incisor

Degeneration
Myelofibrosis
Myelofibrosis
Myelofibrosis
Myelofibrosis
Myelofibrosis
Eosinophilic Focus
Lymphoma Malignant Mixed

Atrophy
Lymphoma Malignant Mixed

Hyperplasia
Dysplasia
Hyperplasia

Minimal
Minimal
Moderate
Mild
Mild
Minimal

Mild

Mild
Minimal
Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 653	TRT#: 8 DOSE: 100 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 871693
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Lymph Node - Mesenteric
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OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Undifferentiated Cell Type	
	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Undifferentiated Cell Type	
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 3,5,6-12+13+14			
Note: [LYMPH MAL UNDF] TGLs = 4,7-1+14			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 1-11			
Ovary		Atrophy	Mild
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-1			
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 653

TRT#: 8
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871693

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Hyperplasia	Cystic, Glandular, Mild
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 654

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Stomach - Glandular

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Salivary Glands
Trachea

Bone
Heart
Intestine Small - Duodenum
Mammary Gland
Skin
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Stomach - Forestomach

OBSERVATIONS

Bone Marrow

Eye
Note: [INFLAMMATION] TGLs = 1-12

Femoral
Humerus
Thoracic, Vertebra
Cornea

Myelofibrosis
Myelofibrosis
Myelofibrosis
Inflammation

Minimal
Mild
Moderate
Chronic Active, Moderate

Harderian Gland
Kidney

Adenoma
Lymphoma Malignant Mixed
Mineralization
Nephropathy
Hepatocellular Adenoma
Lymphoma Malignant Mixed

Minimal
Chronic, Minimal
Multiple

Liver
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-2+13

Alveolar/Bronchiolar Adenoma
Lymphoma Malignant Mixed

Lymph Node
Note: [ALV BRON ADEN] TGLs = 7-2

Mandibular
Mediastinal
Mesenteric

Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Inflammation
Lymphoma Malignant Mixed

Necrotizing, Marked

Ovary
Note: [INFLAMMATION] TGLs = 2-11

Atrophy

Mild

Note: ONLY ONE OVARY AVAILABLE FOR HISTOMORPHOLOGIC

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 654	TRT#: 8 DOSE: 100 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 871694
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: EXAMINATION.

Pancreas		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

Note: [HYPERPLASIA] TGLs = 6-6

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 655	TRT#: 8	SEX: Female	DAY ON TEST: 458
	DOSE: 100 PPM	DISP: Scheduled Sacrifice	HISTO: 871695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 656

TRT#: 8

SEX: Female

DAY ON TEST: 459

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skin
Thymus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Spleen
Tooth

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow
Thyroid Gland
Uterus

Humerus

Myelofibrosis
Ultimobranchial Cyst
Hyperplasia

Mild

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 657	TRT#: 8	SEX: Female	DAY ON TEST: 459
	DOSE: 100 PPM	DISP: Scheduled Sacrifice	HISTO: 871697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

INSUFFICIENT TISSUE

Ovary

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

Note: HYPERPLASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 658

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
Bone	Intervert Disc	Degeneration	Mild
Kidney		Mineralization	Minimal
Liver		Hematopoietic Cell Proliferation	Moderate
		Necrosis	Coagulative, Mild
Note: NECROSIS	TGLs = 3-1+2		
Lung		Leukocytosis	
Ovary		Atrophy	Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 1-1		
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 2-11		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UTERINE HEMANGIOSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 659

TRT#: 8

SEX: Female

DAY ON TEST: 165

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

OBSERVATIONS

Eye

Note: TGL#1-NCL-EYES CONSIDERED TO BE WNL

Note: HISTOPATHOLOGICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 660

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Mild

Note: [DILATATION] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 661

TRT#: 8

SEX: Female

DAY ON TEST: 478

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Lung			
Note: TGL#2-NCL:FOCUS,NOTED AT NECROPSY,NOT APPARENT			
Note: HISTOMORPHOLOGICALLY.			
Peripheral Nerve	Sciatic	Degeneration	Moderate
Spinal Cord	White Matter	Degeneration	Moderate
Spleen			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:SPLEEN CONSIDERED TO BE WNL			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:HIND LIMB PARALYSIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 662

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea			

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Lymphoma Malignant Mixed	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN] TGLs = 3,4,5,6,7,8-1+11+12+13+14			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 662

TRT#: 8
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 871702

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus
Note: [HYPERPLASIA] TGLs = 2-6

Hyperplasia

Cystic, Glandular, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 663

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Skin
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Spleen
Tooth

Bone
Heart
Intestine Small - Duodenum
Kidney
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Harderian Gland

Lymph Node - Mandibular

OBSERVATIONS

Bone Marrow

Femoral
Thoracic, Vertebra

Myelofibrosis
Myelofibrosis
Vacuolization Cytoplasmic
Cyst
Hyperplasia

Mild
Minimal
Mild
Cystic, Glandular, Mild

Note: HYPERPLASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 664

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Glandular
Trachea

Bone
Heart
Intestine Small - Duodenum
Lung
Nose
Salivary Glands
Thymus
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thyroid Gland

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Tooth

OBSERVATIONS

Adrenal Gland
Bone Marrow

Harderian Gland
Kidney
Liver

Cortex
Humerus
Thoracic, Vertebra

Hypertrophy
Myelofibrosis
Myelofibrosis
Adenoma
Nephropathy
Eosinophilic Focus
Hepatocellular Adenoma
Hepatocellular Carcinoma
Mineralization
Necrosis

Mild
Minimal
Minimal

Chronic, Mild

Multiple

Moderate
Coagulative, Marked

Note: [HEPATOCLR CARC] TGLs = 2-12

Note: [HEPATOCLR ADEN] TGLs = 3,4,5,6-2+13+14

Note: [NECROSIS] TGLs = 5-13

Lymph Node

Note: MANDIBULAR LYMPH NODE IN B03.

Mesentery

Inflammation
Mineralization

Necrotizing, Marked
Mild

Note: [INFLAMMATION] TGLs = 1,7-11+15

Ovary

Atrophy

Marked

Spleen

Hematopoietic Cell Proliferation

Moderate

Uterus

Hyperplasia

Cystic, Glandular, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 664

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871704

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 665

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Mild
Eye	Cornea	Inflammation	Chronic Active, Mild
Note: [INFLAMMATION] TGLs = 6-13			
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 7-5			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
		Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 2-12			
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-1+11			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Ovary		Atrophy	Mild
		Cyst	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 1-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 665

TRT#: 8
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871705

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell
Follicular Cel

Carcinoma
Hyperplasia
Hyperplasia

Mild
Cystic, Glandular, Moderate

Uterus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 666

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Nose
Skin
Thyroid Gland

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Tooth

Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

MISSING

Thymus

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Brain		Compression	
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
Ovary		Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:PITUITARY ADENOMA WITH

Animal Note: RESULTANT COMPRESSION OF BRAIN.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 667

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Thymus
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OBSERVATIONS

Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 2,3-2+11		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 4,6,7,8-2		
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Ovary		Atrophy	Marked
Stomach	Forestomach	Acanthosis	Mild
Note: ACANTHOSIS	TGLs = 9-4		
Tooth	Ameloblast, Incisor	Atrophy	Marked
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Moderate
Note: DILATATION	TGLs = 1-6		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA WITH

Animal Note: MULTIPLE PULMONARY METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 668

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 4-11			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 1-12			
Ovary		Atrophy	Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Mild
	Dentine, Incisor	Necrosis	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: [HYPERPLASIA] TGLs = 2-6			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 668

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871708

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 669

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1-2			
Note: [HEPATOCLR ADEN] TGLs = 2,3,4,5,7,8-1+11+12			
Note: [EOSIN FOCUS] TGLs = 8-11			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Moderate
Note: [INFLAMMATION] TGLs = 6-13			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 669	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 871709

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 670

TRT#: 8

SEX: Female

DAY ON TEST: 459

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Tooth

OBSERVATIONS

Bone Marrow
Harderian Gland
Liver
Urin Bladder
 Note: URINARY BLADDER IN B04.
Uterus
 Note: HYPERPLASIA TGLs = 1-6

Humerus
Thoracic, Vertebra

Myelofibrosis
Myelofibrosis
Adenoma
Hepatocellular Adenoma

Hyperplasia

Mild
Minimal

Cystic, Glandular, Marked

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 671

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 100 PPM

DISP: Natural Death

HISTO: 871711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 5-5		
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 4-11		
Note: HEPATOCLR ADEN	TGLs = 6-1		
Ovary		Cyst	
Note: CYST	TGLs = 2-6		
Thymus		Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA	TGLs = 3-6		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 672

TRT#: 8

SEX: Female

DAY ON TEST: 459

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 871712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Mesentery	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

INSUFFICIENT TISSUE

Ovary

OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	
	Vacuolization Cytoplasmic	Moderate
Note: APPARENT HISTOPATHOLOGICALLY.		
Note: HEPATOCLR ADEN TGLs = 2-11		
Note: TGL#S 3&4-NCL:NODULE AND FOCUS,NOTED AT NECROPSY, NOT		
Mesentery		
Note: TGL#5-NCL:MESENTERIC FAT CONSIDERED TO BE WNL		
Note: HISTOPATHOLOGICALLY.		
Uterus	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 1-6		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 673

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-11			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-7			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 674	TRT#: 8 DOSE: 100 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO: 871714
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral Humerus Maxilla Thoracic, Vertebra	Myelofibrosis Myelofibrosis Myelofibrosis Myelofibrosis Eosinophilic Focus	Mild Mild Mild Moderate
Liver		Atrophy	Mild
Ovary		Hematopoietic Cell Proliferation	Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 675	TRT#: 8 DOSE: 100 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO: 871715
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	

MISSING

Harderian Gland	Lymph Node - Mandibular
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OBSERVATIONS

Bone Marrow	Femoral Maxilla Thoracic, Vertebra	Lymphoma Malignant Undifferentiated Cell Type Myelofibrosis Myelofibrosis	Mild Mild
Heart		Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type Mineralization	Minimal
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-1			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Inguinal Mediastinal Mesenteric	Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3-4			
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Ovary		Atrophy	Mild
Pancreas	Acinus	Atrophy Lymphoma Malignant Undifferentiated Cell Type	Mild
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-1			
Stomach	Forestomach Forestomach	Acanthosis Lymphoma Malignant Undifferentiated Cell Type	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 675

TRT#: 8
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871715

ORGAN AND ACCOUNTABLE SITE STATUS

Forestomach

Mast Cell Tumor Malignant

Note: [MAST CL TM MAL] TGLs = 4,5-11
Note: [ACANTHOSIS] TGLs = 4,5-11
Note: [LYMPH MAL UNDF] TGLs = 4,5-11

Thymus

Lymphoma Malignant Undifferentiated Cell Type

Urinary Bladder

Lymphoma Malignant Undifferentiated Cell Type

Uterus

Hyperplasia

Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 677

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Intestine Small	Jejunum	Hemangiosarcoma	
Note: [HEMANGIOSARC] TGLs = 9-4			
Kidney		Mineralization	Minimal
Liver		Angiectasis	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,8-2			
Note: [ANGIECTASIS] TGLs = 7-1			
Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Mild
Note: [INFLAMMATION] TGLs = 1-13			
Ovary		Atrophy	Mild
Pancreas	Duct	Ectasia	Moderate
Note: [ECTASIA] TGLs = 2-11			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 6-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 677

TRT#: 8
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871717

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 678

TRT#: 8

SEX: Female

DAY ON TEST: 552

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Esophagus

Harderian Gland

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Spinal Cord

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Blood Vessel

Artery

Necrosis

Fibrinoid, Marked

Bone Marrow

Humerus

Myelofibrosis

Minimal

Thoracic, Vertebra

Myelofibrosis

Minimal

Brain

Artery

Necrosis

Fibrinoid, Marked

Gallbladder

Artery

Necrosis

Fibrinoid, Marked

Heart

Artery

Necrosis

Fibrinoid, Marked

Kidney

Artery

Necrosis

Fibrinoid, Marked

Liver

Artery

Necrosis

Fibrinoid, Marked

Mesentery

Artery

Necrosis

Fibrinoid, Marked

Peripheral Nerve

Spinal

Degeneration

Moderate

Skin

Artery

Alopecia

Necrosis

Fibrinoid, Marked

Note: ALOPECIA TGLs = 1-11

Spleen

Hematopoietic Cell Proliferation

Mild

Thymus

Artery

Necrosis

Fibrinoid, Marked

Tooth

Dentine, Incisor

Dysplasia

Minimal

Urin Bladder

Note: TGL#2-NCL:URINARY BLADDER CONSIDERED TO BE WNL

Note: HISTOMORPHOLOGICALLY.

Uterus

Note: HISTOMORPHOLOGICALLY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 678

TRT#: 8

SEX: Female

DAY ON TEST: 552

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 871718

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#3-NCL:UTERUS CONSIDERED TO BE WNL

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:GENERALIZED VASCULAR DISEASE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 680

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 871720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
Bone Marrow	Humerus	Hemangiosarcoma	
	Femoral	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-11			
Lymph Node	Renal, Sinus	Ectasia	Mild
Note: [ECTASIA] TGLs = 2-12			
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 1-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-7			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Inflammation	Chronic Active, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Marked
Note: [HYPERPLASIA] TGLs = 5-2			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 680	TRT#: 8	SEX: Female	DAY ON TEST: 737
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 871720

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 681 **TRT#:** 10 **SEX:** Female **DAY ON TEST:** 731
DOSE: 175 PPM **DISP:** Terminal Sacrifice **HISTO:** 871481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea			

MISSING

Harderian Gland Urinary Bladder

OBSERVATIONS

Gallbladder			
Note: GALLBLADDER IN B11.			
Kidney		Mineralization	Minimal
Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [HEPATOCLR CARC] TGLs = 5-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 7-2			
Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 4,6-7+14			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 1-13			
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 3-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 8-7			
Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant Undifferentiated Cell Type	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 681	TRT#: 10 DOSE: 175 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 871481
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LYMPH MAL UNDF] TGLs = 2-12

Thymus		Cyst	
		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 682

TRT#: 10

SEX: Female

DAY ON TEST: 459

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Ovary		Cyst	
Note: CYST	TGLs = 1-6		
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 683

TRT#: 10

SEX: Female

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Tooth

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow

Femoral
Thoracic, Vertebra
Tibia

Myelofibrosis
Myelofibrosis
Myelofibrosis
Atrophy

Minimal
Moderate
Mild
Mild

Ovary

Note: EXAMINATION.

Note: ONLY ONE OVARY AVAILABLE FOR HISTOMORPHOLOGICAL

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

Uterus

Dilatation

Marked

Note: [DILATATION] TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 684

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST: 458
HISTO: 871484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Ovary

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Liver		Vacuolization Cytoplasmic	Mild
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Mild

Note: DILATATION TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 685

TRT#: 10

SEX: Female

DAY ON TEST: 709

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Moderate
		Necrosis	Coagulative, Moderate
Note: [HEPATOBLASTOMA] TGLs = 3-1			
Note: HEPATOCLR ADEN TGLs = 1,2,3,4,5-1+2+11+12			
Lymph Node	Mesenteric	Hemangioma	
Note: HEMANGIOMA TGLs = 6-4			
Ovary		Atrophy	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: AND INFLAMMATION.

Animal Note: HEPATOCELLULAR ADENOMAS,HEPATIC NECROSIS

Animal Note: CAUSE OF DEATH:HEPATOCHOLANGIOCARCINOMA,MULTIPLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 686	TRT#: 10	SEX: Female	DAY ON TEST: 731
	DOSE: 175 PPM	DISP: Terminal Sacrifice	HISTO: 871486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Humerus	Osteosclerosis	Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4-12			
Note: [HEPATOCLR CARC] TGLs = 2,3-11+12			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 5-13			
Mammary Gland		Hyperplasia	Cystic, Moderate
Ovary		Atrophy	Marked
Note: ONLY ONE OVARY AVAILABLE FOR HISTOPATHOLOGICAL			
Note: EXAMINATION.			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 6-7			
Uterus		Angiectasis	Mild
		Hyperplasia	Cystic, Glandular, Mild
Note: [ANGIECTASIS] TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 687

TRT#: 10

SEX: Female

DAY ON TEST: 166

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Pituitary Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Brain
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

MISSING

Lymph Node - Mesenteric

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 688

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Clitoral Gl			
Note: TGL#1-NCL:CLITORAL GLDS. CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN] TGLs = 3-12			
Note: [HEPATOCLR CARC] TGLs = 4-11			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 688

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871488

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 689

TRT#: 10

SEX: Female

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Skin
Thymus
Urinary Bladder

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Tooth

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Salivary Glands
Stomach - Glandular
Trachea

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Minimal
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Ovary		Atrophy	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

Note: [HYPERPLASIA] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 690

TRT#: 10

SEX: Female

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Hemangioma	
Note: [HEMANGIOMA] TGLs = 3-11			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: [HYPERPLASIA] TGLs = 2-7			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 691

TRT#: 10

SEX: Female

DAY ON TEST: 179

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Trachea

Adrenal Gland - Medulla
Esophagus
Liver
Mammary Gland
Pituitary Gland
Thymus
Uterus

Bone
Harderian Gland
Lung
Nose
Salivary Glands
Thyroid Gland

Bone Marrow
Heart
Lymph Node - Mandibular
Ovary
Skin
Tooth

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Gallbladder
Intestine Small - Ileum
Stomach - Glandular

Intestine Large - Cecum
Intestine Small - Jejunum
Urinary Bladder

Intestine Large - Colon
Pancreas

Intestine Small - Duodenum
Stomach - Forestomach

OBSERVATIONS

Kidney
Lymph Node

Nephropathy

Chronic, Minimal

Note: MANDIBULAR LYMPH NODE IN B03.

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 692	TRT#: 10	SEX: Female	DAY ON TEST: 458
	DOSE: 175 PPM	DISP: Scheduled Sacrifice	HISTO: 871492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 693

TRT#: 10

SEX: Female

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Bone Note: [DEGEN] TGLs = 4-11	Cartilage, Rib	Degeneration	Moderate
Bone Marrow	Femoral Thoracic, Vertebra	Myelofibrosis Myelofibrosis Inflammation	Minimal Marked Necrotizing, Marked
Mesentery Note: [INFLAMMATION] TGLs = 1-12			
Ovary		Atrophy Cyst Cyst	Minimal
Parathyroid Gland			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus Note: [HYPERPLASIA] TGLs = 2-6		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 694

TRT#: 10

SEX: Female

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Nose
Skin
Thyroid Gland

Bone
Heart
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Tooth

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone Marrow
Note: [ADENOMA] TGLs = 2-5
Kidney

Femoral
Humerus
Maxilla
Thoracic, Vertebra

Myelofibrosis
Myelofibrosis
Myelofibrosis
Myelofibrosis
Adenoma

Mild
Mild
Mild
Moderate

Harderian Gland
Note: [HEPATOCLR ADEN] TGLs = 3-1
Liver

Renal Tubule

Necrosis
Nephropathy
Hepatocellular Adenoma

Mild
Chronic, Mild
Multiple

Mammary Gland
Note: [ADENOMA] TGLs = 4-6
Ovary
Note: EXAMINATION.
Note: ONLY 1 OVARY AVAILABLE FOR HISTOMORPHOLOGICAL

Adenoma
Atrophy

Mild

Pituitary Gland
Thymus
Urin Bladder

Pars Distalis

Hyperplasia
Cyst

Moderate

Note: URINARY BLADDER IN B04.
Uterus
Note: [HYPERPLASIA] TGLs = 1-6

Hyperplasia

Cystic, Glandular, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 694	TRT#: 10	SEX: Female	DAY ON TEST: 731
	DOSE: 175 PPM	DISP: Terminal Sacrifice	HISTO: 871494

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 695

TRT#: 10

SEX: Female

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Clitoral Gland
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mammary Gland
Nose	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Bone	Thoracic, Vertebra	Osteosclerosis	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Clitoral Gl			
Note: TGL#1-NCL:CLITORAL GLDS CONSIDERED TO BE WNL			
Note: HISTOMORPHOLOGICALLY.			
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [HEPATOCLR ADEN] TGLs = 4-11			
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Pancreatic	Lymphoma Malignant Undifferentiated Cell Type	
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-7			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 695

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 871495

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland
Uterus

Follicular Cel

Hyperplasia
Dilatation

Mild
Marked

Note: [DILATATION] TGLs = 3-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 696

TRT#: 10

SEX: Female

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Minimal
Bone Marrow	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
Note: [CLEAR CL FOCUS] TGLs = 3-15			
Note: [HEPATOCLR ADEN] TGLs = 2,5,6-12+13+14			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Minimal
Note: [INFLAMMATION] TGLs = 1-11			
Ovary		Atrophy	Mild
Note: ONLY 1 OVARY AVAILABLE FOR HISTOMORPHOLOGICAL EXAMINATION.			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-7			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 696

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 871496

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Hyperplasia	Cystic, Glandular, Minimal
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 697 **TRT#:** 10 **SEX:** Female **DAY ON TEST:** 610
DOSE: 175 PPM **DISP:** Moribund Sacrifice **HISTO:** 871497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 4-1			
Liver		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 5-1+2			
Lymph Node	Mesenteric	Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 1-11			
Ovary		Atrophy	Moderate
Note: CYST TGLs = 2-6		Cyst	
Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Glandular	Erosion	Mild
Note: EROSION TGLs = 6-12			
Uterus		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 3-6		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 697

TRT#: 10

SEX: Female

DAY ON TEST: 610

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871497

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY:HISTIOCYTIC SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 698

TRT#: 10

SEX: Female

DAY ON TEST: 433

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

INSUFFICIENT TISSUE

Ear

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Minimal
Ovary		Cyst	
Uterus		Dilatation	Moderate
		Hyperplasia	Cystic, Glandular, Marked

Note: HYPERPLASIA TGLs = 1-6

Note: DILATATION TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PROBABLE OTITIS MEDIA/INTERNA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 699

TRT#: 10

SEX: Female

DAY ON TEST: 166

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 701

TRT#: 10

SEX: Female

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-11			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Minimal
Ovary		Atrophy	Mild
Note: TGL#1-NCL:ONLY ONE OVARY AVAILABLE FOR HISTO-			
Note: MORPHOLOGICAL EXAMINATION. CYST, NOTED AT			
Note: NECROPSY, NOT SEEN HISTOLOGICALLY.			
Pancreas	Acinus	Atrophy	Marked
	Duct	Ectasia	Marked
Note: PANCREATIC TISSUE IN B06.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 701

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871501

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 702

TRT#: 10

SEX: Female

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule, Cortex, Spindle Cell	Hyperplasia	Mild
Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-2+12			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 3-11			
Ovary		Atrophy	Mild
Note: [CYST] TGLs = 1-6			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 703

TRT#: 10

SEX: Female

DAY ON TEST: 135

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Tooth

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Trachea

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland
Uterus

MISSING

Harderian Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 704

TRT#: 10

SEX: Female

DAY ON TEST: 165

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

OBSERVATIONS

Bone Marrow

Tibia

Myelofibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 705

TRT#: 10

SEX: Female

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Ovary		Atrophy	Mild
Thyroid Gland		Ultimobranchial Cyst	
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

Note: [HYPERPLASIA] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 706

TRT#: 10

SEX: Female

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 707

TRT#: 10

SEX: Female

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Nose
Skin
Thymus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Tooth

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

MISSING

Harderian Gland

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Moderate
Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Mild
Liver		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 2,3-1			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-2			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Ultimobranchial Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 708

TRT#: 10

SEX: Female

DAY ON TEST: 707

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Harderian Gland	Thymus
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OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Moderate
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 3-11			
Ovary		Atrophy	Marked
		Cyst	
Note: CYST TGLs = 1-6			
Thyroid Gland	Follicular Cell	Adenoma	
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Mild
	Dentine, Incisor	Necrosis	Moderate
Uterus		Dilatation	Marked
Note: DILATATION TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:CHRONIC NEPHROPATHY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 709

TRT#: 10

SEX: Female

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Skin
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Kidney
Parathyroid Gland
Stomach - Forestomach

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pituitary Gland
Stomach - Glandular

MISSING

Harderian Gland

Lymph Node - Mandibular

Thymus

OBSERVATIONS

Bone Marrow
Note: [HEPATOCLR CARC] TGLs = 3-12
Liver
Note: [HEPATOCLR CARC] TGLs = 3-12
Lymph Node
Note: [LYMPH MAL UNDF] TGLs = 2-11
Mammary Gland
Ovary
Spleen
Note: [LYMPH MAL UNDF] TGLs = 1-1
Thyroid Gland
Tooth
Uterus

Femoral
Maxilla
Thoracic, Vertebra
Mesenteric
Follicular Cel
Dentine, Incisor

Myelofibrosis
Myelofibrosis
Myelofibrosis
Hepatocellular Carcinoma
Lymphoma Malignant Undifferentiated Cell Type
Hyperplasia
Atrophy
Hematopoietic Cell Proliferation
Lymphoma Malignant Undifferentiated Cell Type
Hyperplasia
Dysplasia
Hyperplasia

Minimal
Mild
Mild
Cystic, Mild
Moderate
Moderate
Minimal
Minimal
Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 710

TRT#: 10

SEX: Female

DAY ON TEST: 712

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Tooth	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
	Cortex	Sarcoma	Metastatic (Uncertain Primary Site)
Bone Marrow	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Mild
Harderian Gland		Adenoma	
Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 8,9,10,11-1+2+13			
Mesentery		Sarcoma	Metastatic (Uncertain Primary Site)
Note: SARCOMA TGLs = 2,6,7-11+14+15			
Ovary		Sarcoma	Metastatic (Uncertain Primary Site)
Note: COMPLETELY REPLACED BY METASTATIC, ANAPLASTIC			
Note: TGL#5-NCL:CYST, NOTED AT NECROPSY, NOT APPARENT			
Note: HISTOMORPHOLOGICALLY. OVARIAN TISSUE APPEARS TO BE			
Note: SARCOMA OF UNDETERMINED ORIGIN.			
Skin		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-16			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-12			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 710

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 712
HISTO: 871510

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland
Uterus

Follicular Cel

Adenoma
Dilatation
Hyperplasia

Moderate
Cystic, Glandular, Moderate

Note: DILATATION TGLs = 4-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:ANAPLASTIC SARCOMA OF UNDETERMINED

Animal Note: ORIGIN.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 711

TRT#: 10

SEX: Female

DAY ON TEST: 165

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Uterus

MISSING

Pituitary Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 712

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 871512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-1			
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 2-13			
Ovary		Cyst	
Note: ONLY ONE OVARY AVAILABLE FOR HISTOMORPHOLOGICAL EXAMINATION.			
Skin	Subcut Tiss	Fibrosarcoma	
Note: [FIBROSARC] TGLs = 1-12			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 4-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 712

TRT#: 10

SEX: Female

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871512

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 713 **TRT#:** 10 **SEX:** Female **DAY ON TEST:** 732
DOSE: 175 PPM **DISP:** Terminal Sacrifice **HISTO:** 871513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra Tibia	Myelofibrosis Myelofibrosis	Mild Minimal
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Lung	Mediastinum	Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Mediastinal Mesenteric	Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3,5-12+13			
Note: MANDIBULAR LYMPH NODE IN B03.			
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Ovary		Atrophy Cyst	Mild
Skin		Inflammation	Chronic Active, Marked
Note: [INFLAMMATION] TGLs = 1-11			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-1			
Stomach	Glandular	Mineralization	Minimal
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Dilatation Hyperplasia	Marked Cystic, Glandular, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 713

TRT#: 10

SEX: Female

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871513

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [DILATATION] TGLs = 9-14

Note: [HYPERPLASIA] TGLs = 6-14

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 714

TRT#: 10

SEX: Female

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Nose
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Parathyroid Gland
Stomach - Glandular

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Salivary Glands
Thymus

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Skin
Trachea

MISSING

Harderian Gland

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1-11			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Ovary		Atrophy	Moderate
Pancreas	Acinus	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 715

TRT#: 10

SEX: Female

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN] TGLs = 2-2			
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Thymus		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 716

TRT#: 10

SEX: Female

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Marked
Liver		Eosinophilic Focus	
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 2-11			
Ovary		Atrophy	Mild
		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Hyperplasia	Lymphoid, Mild
Stomach	Glandular	Mineralization	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 717

TRT#: 10

SEX: Female

DAY ON TEST: 732

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Thymus	Tooth	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 3-12			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 2-11			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Glandular	Mineralization	Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 718

TRT#: 10

SEX: Female

DAY ON TEST: 584

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Pancreas
Skin
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Mammary Gland
Pituitary Gland
Stomach - Glandular

Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Nose
Salivary Glands
Thyroid Gland

MISSING

Harderian Gland

Intestine Small - Ileum

OBSERVATIONS

Bone Marrow
Kidney
Liver

Femoral

Histiocytic Sarcoma
Histiocytic Sarcoma
Histiocytic Sarcoma

Note: [HISTIO SARC] TGLs = 5,6-12+13+14

Lung

Histiocytic Sarcoma

Lymph Node

Mandibular
Mediastinal

Histiocytic Sarcoma
Histiocytic Sarcoma

Note: [HISTIO SARC] TGLs = 3-7

Ovary

Atrophy
Cyst
Histiocytic Sarcoma
Necrosis
Thrombosis

Moderate

Note: NECROSIS TGLs = 2-11

Note: CYST TGLs = 2-11

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 4-1

Thymus

Histiocytic Sarcoma

Tooth

Dentine, Incisor

Dysplasia

Minimal

Uterus

Hyperplasia

Cystic, Glandular, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 718

TRT#: 10

SEX: Female

DAY ON TEST: 584

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871518

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HISTIOCYTIC SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 719

TRT#: 10

SEX: Female

DAY ON TEST: 241

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea		

MISSING

Harderian Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Mixed
Gallbladder		Lymphoma Malignant Mixed
Heart		Lymphoma Malignant Mixed
Kidney		Lymphoma Malignant Mixed
Liver		Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD	TGLs = 8-17	
Lung		Lymphoma Malignant Mixed
Lymph Node	Deep Cervical	Lymphoma Malignant Mixed
	Inguinal	Lymphoma Malignant Mixed
	Mandibular	Lymphoma Malignant Mixed
	Mediastinal	Lymphoma Malignant Mixed
	Mesenteric	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD	TGLs = 1,2-11+12	
Note: LYMPH MAL MIXD	TGLs = 3,4-13+14	
Note: LYMPH MAL MIXD	TGLs = 5-15	
Note: LYMPH MAL MIXD	TGLs = 9-18	
Mesentery		Lymphoma Malignant Mixed
Ovary		Lymphoma Malignant Mixed
Salivary Glands		Lymphoma Malignant Mixed
Spleen		Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD	TGLs = 7-16	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 719

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 241
HISTO: 871519

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus	Lymphoma Malignant Mixed	
Urinary Bladder	Lymphoma Malignant Mixed	
Uterus	Hyperplasia	Cystic, Glandular, Mild
	Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:LYMPHOSARCOMA, MALIGNANT MIXED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 720

TRT#: 10

SEX: Female

DAY ON TEST: 619

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Rectum
Islets, Pancreatic
Skin
Trachea

Esophagus
Intestine Small - Duodenum
Mammary Gland
Stomach - Forestomach

Intestine Large - Cecum
Intestine Small - Ileum
Nose
Stomach - Glandular

Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Thyroid Gland

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland

Cortex

Histiocytic Sarcoma

Note: PATHOLOGIC EXAMINATION.

Note: ONLY ONE ADRENAL GLD AVAILABLE FOR HISTO-

Bone

Femur

Osteosclerosis

Moderate

Humerus

Osteosclerosis

Marked

Thoracic, Vertebra

Osteosclerosis

Marked

Tibia

Osteosclerosis

Marked

Bone Marrow

Femoral

Histiocytic Sarcoma

Maxilla

Histiocytic Sarcoma

Thoracic, Vertebra

Histiocytic Sarcoma

Brain

Histiocytic Sarcoma

Note: [HISTIO SARC] TGLs = 5-11

Gallbladder

Histiocytic Sarcoma

Heart

Histiocytic Sarcoma

Kidney

Histiocytic Sarcoma

Note: [HISTIO SARC] TGLs = 4-1

Liver

Histiocytic Sarcoma

Note: [HISTIO SARC] TGLs = 3-1+2

Lung

Histiocytic Sarcoma

Lymph Node

Mandibular

Histiocytic Sarcoma

Mesenteric

Histiocytic Sarcoma

Mesentery

Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 720	TRT#: 10 DOSE: 175 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 619 HISTO: 871520
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ORGAN AND ACCOUNTABLE SITE STATUS

Ovary		Histiocytic Sarcoma	
Pancreas		Histiocytic Sarcoma	
Pituitary Gland		Histiocytic Sarcoma	
Salivary Glands		Histiocytic Sarcoma	
Spleen		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 1-12			
Thymus		Histiocytic Sarcoma	
Tooth	Ameloblast, Incisor	Atrophy	Marked
	Dentine, Incisor	Dysplasia	Mild
Urinary Bladder		Histiocytic Sarcoma	
Uterus		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:HISTIOCYTIC SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 721

TRT#: 10

SEX: Female

DAY ON TEST: 688

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Intestine Small - Jejunum
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OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Liver		Clear Cell Focus	
Note: CLEAR CL FOCUS TGLs = 5-1			
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2,3-11+12			
Mesentery		Lymphoma Malignant Lymphocytic	
Ovary		Atrophy	Moderate
		Cyst	
Pancreas		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-1			
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Inflammation	Chronic Active, Mild
	Glandular	Lymphoma Malignant Lymphocytic	
Note: ACANTHOSIS TGLs = 6-4			
Uterus		Hyperplasia	Cystic, Glandular, Moderate
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 721

TRT#: 10

SEX: Female

DAY ON TEST: 688

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871521

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 7-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:LYMPH MAL LYMPH.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 722

TRT#: 10

SEX: Female

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Minimal
Kidney	Perivascular	Hyperplasia	Lymphoid, Mild
		Mineralization	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-1+11			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Minimal
Note: [INFLAMMATION] TGLs = 2-12			
Ovary		Atrophy	Mild
		Cyst	
Spleen		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 722	TRT#: 10	SEX: Female	DAY ON TEST: 733
	DOSE: 175 PPM	DISP: Terminal Sacrifice	HISTO: 871522

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [DILATATION] TGLs = 1-6

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 723

TRT#: 10

SEX: Female

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-1			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3-4			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skeletal Muscle		Fibrosarcoma	Metastatic (Skin)
Skin	Subcut Tiss	Fibrosarcoma	
Note: [FIBROSARC] TGLs = 1-11			
Spleen		Hyperplasia	Lymphoid, Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 724

TRT#: 10

SEX: Female

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Moderate
Bone Marrow	Femoral	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Kidney		Cyst	
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-1			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin	Subcut Tiss	Fibrosarcoma	
Note: [FIBROSARC] TGLs = 1-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 725

TRT#: 10

SEX: Female

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Moderate
	Thoracic, Vertebra	Myelofibrosis	Moderate
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4,5,6-1			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 7-11			
Ovary		Atrophy	Mild
Note: [CYST] TGLs = 2-6			
Spleen		Hyperplasia	Lymphoid, Mild
Thymus		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 726

TRT#: 10

SEX: Female

DAY ON TEST: 666

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Mild
Liver			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#5-NCL:LIVER CONSIDERED TO BE WNL			
Mesentery		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 1,4,10,11-1+4+6+14+15+16			
Ovary		Atrophy	Moderate
Pancreas	Acinus	Atrophy	Moderate
	Duct	Ectasia	Marked
Note: ECTASIA TGLs = 2-12			
Skin			
Note: TGL#4:SUBCUTANEOUS NODULES,NOTED AT NECROPSY,ARE			
Note: FOCI OF NECROTIC AND INFLAMMED MESENTERIC FAT			
Note: HISTOMORPHOLOGICALLY.			
Spleen			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 726	TRT#: 10	SEX: Female	DAY ON TEST: 666
	DOSE: 175 PPM	DISP: Natural Death	HISTO: 871526

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOMORPHOLOGICALLY.
Note: TGL#3-NCL:SPLEEN CONSIDERED TO BE WNL

Stomach	Glandular	Erosion	Mild
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Note: EROSION TGLs = 7,8,9-14+15
Tissue NOS
Note: TGL#1:ABDOMINAL ADHESION,NOTED AT NECROPSY,IS
Note: AREA OF NECROTIC AND INFLAMMED MESENTERIC FAT
Note: HISTOMORPHOLOGICALLY.

Uterus		Hyperplasia	Cystic, Glandular, Moderate
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PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:MARKED NECROTIZING PERITONITIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 727

TRT#: 10

SEX: Female

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
Ovary		Atrophy	Mild
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 728

TRT#: 10

SEX: Female

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
Bone	Intervertebral Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Hematopoietic Cell Proliferation	Mild
Lung		Inflammation	Chronic Active, Mild
Ovary		Atrophy	Minimal
Pancreas	Acinus	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 729

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 871529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea			

MISSING

Harderian Gland

OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Mild
Brain		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 4-1			
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN] TGLs = 5-1			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Mesentery		Lymphoma Malignant Mixed	
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 1-6			
Pancreas		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 729	TRT#: 10 DOSE: 175 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 871529
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ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen Note: [LYMPH MAL MIXD] TGLs = 3-1		Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus Note: [HYPERPLASIA] TGLs = 2-6		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 730

TRT#: 10

SEX: Female

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone	Tibia	Osteosclerosis	Minimal
Bone Marrow	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Moderate
Kidney		Metaplasia	Osseous, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 5,6,7-1+11+12			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 4-13			
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Atrophy	Marked
		Cyst	
Note: [ATROPHY] TGLs = 2-6			
Note: [CYST] TGLs = 1-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Ultimobranchial Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: [HYPERPLASIA] TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 730

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871530

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 731

TRT#: 10

SEX: Female

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Thymus
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OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Moderate
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Marked
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

Note: [HYPERPLASIA] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 732

TRT#: 10

SEX: Female

DAY ON TEST: 566

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Thoracic, Vertebra Tibia	Myelofibrosis Myelofibrosis Mineralization Cyst	Mild Minimal Minimal
Kidney			
Ovary			
Note: CYST TGLs = 2-6			
Skin	Subcut Tiss	Neurofibrosarcoma	
Note: NEUROFIBROSARC TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5-1			
Uterus		Hyperplasia	Cystic, Glandular, Marked
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:CUTANEOUS NEUROFIBROSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 733

TRT#: 10

SEX: Female

DAY ON TEST: 632

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Atypia Cellular Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 5,12-1+13		
Note: HEPATOCLR CARC	TGLs = 4-12		
Lung	Mediastinum	Hepatocellular Carcinoma Hepatocellular Carcinoma	Metastatic (Liver) Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 6,7,8,9-2+14		
Ovary		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 2,3-1+11		
Uterus		Dilatation Hyperplasia	Marked Cystic, Glandular, Mild
Note: DILATATION	TGLs = 11-6		

PRIMARY CAUSE OF DEATH

-

Animal Note: PULMONARY METASTASES.

Animal Note: CAUSE OF DEATH:HEPATOCELLULAR CARCINOMA WITH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 734

TRT#: 10

SEX: Female

DAY ON TEST: 459

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Minimal
Liver		Hepatocellular Adenoma	
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 735

TRT#: 10

SEX: Female

DAY ON TEST: 477

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Heart		Hepatoblastoma	Metastatic (Liver)
Kidney		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatoblastoma	
Note: [HEPATOBLASTOMA] TGLs = 1,6-11+13			
Lung		Hepatoblastoma	Metastatic (Liver)
Note: [HEPATOBLASTOMA] TGLs = 2,10-12+17			
Lymph Node	Mediastinal	Hepatoblastoma	Metastatic (Liver)
Mesentery		Inflammation	Necrotizing, Marked
[Inflammation TGLS = 3,4-14]			
Pancreas		Hepatoblastoma	Metastatic (Liver)
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Inflammation	Chronic Active, Marked
	Forestomach	Squamous Cell Papilloma	
[Inflammation TGLS = 9-16]			
[Squamous Cell Papilloma TGLS = 7,8-15]			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOBLASTOMA WITH MULTIPLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 735

TRT#: 10

SEX: Female

DAY ON TEST: 477

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871535

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 736

TRT#: 10

SEX: Female

DAY ON TEST: 500

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Tooth

Bone
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Urinary Bladder

OBSERVATIONS

Bone Marrow

Humerus

Myelofibrosis

Mild

Thoracic, Vertebra

Myelofibrosis

Mild

Uterus

Hyperplasia

Cystic, Glandular, Mild

Note: HYPERPLASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 737

TRT#: 10

SEX: Female

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Nose
Skin
Thymus
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Tooth

MISSING

Harderian Gland

OBSERVATIONS

Bone
Bone Marrow

Kidney
Liver
Note: [HEPATOCLR ADEN] TGLs = 3-1
Mesentery
Note: [INFLAMMATION] TGLs = 2-11
Ovary

Note: [CYST] TGLs = 1-6
Pituitary Gland
Note: [ADENOMA] TGLs = 4-7
Uterus

Intervert Disc
Femoral
Humerus
Thoracic, Vertebra

Pars Distalis

Degeneration
Myelofibrosis
Myelofibrosis
Myelofibrosis
Mineralization
Hepatocellular Adenoma

Inflammation

Atrophy
Cyst

Adenoma

Hyperplasia

Moderate
Minimal
Minimal
Moderate
Minimal

Necrotizing, Marked

Mild

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 738

TRT#: 10

SEX: Female

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Hematopoietic Cell Proliferation	Mild
Ovary		Atrophy	Minimal
Spleen		Hyperplasia	Lymphoid, Mild
Stomach	Glandular	Mineralization	Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Ameloblast, Incisor	Atrophy	Moderate
	Dentine, Incisor	Dysplasia	Moderate
	Dentine, Incisor	Necrosis	Moderate
	Incisor, Peridont Tiss	Necrosis	Moderate
Uterus		Hyperplasia	Cystic, Glandular, Mild

Note: [HYPERPLASIA] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 739

TRT#: 10

SEX: Female

DAY ON TEST: 733

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4,5,6-2+11+12			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-13			
Ovary		Atrophy	Mild
		Cyst	
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-1			
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Inflammation	Chronic Active, Mild
Note: [ACANTHOSIS] TGLs = 7-4			
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 740

TRT#: 10

SEX: Female

DAY ON TEST: 361

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Heart	Pericardium	Hepatocholangiocarcinoma	Metastatic (Liver)
Note: [HEPATOCHOLCARC] TGLs = 3-7			
Liver		Hepatocholangiocarcinoma	
Note: [HEPATOCHOLCARC] TGLs = 2-12			
Lung		Hepatocholangiocarcinoma	Metastatic (Liver)
Note: [HEPATOCHOLCARC] TGLs = 4-2			
Mesentery		Hepatocholangiocarcinoma	Metastatic (Liver)
Note: [HEPATOCHOLCARC] TGLs = 1-11			
Ovary			
Note: ONLY ONE OVARY AVAILABLE FOR HISTOPATHOLOGICAL EXAM.			
Pancreas		Hepatocholangiocarcinoma	Metastatic (Liver)
Uterus		Dilatation	Moderate
		Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATOCHOLANGIOMATOSIS WITH

Animal Note: MULTIPLE METASTASES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 741

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN]			
TGLs = 3-12			
Note: [CLEAR CL FOCUS]			
TGLs = 4-1			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION]			
TGLs = 2-11			
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: [HYPERPLASIA]			
TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 742

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Mild
		Vacuolization Cytoplasmic	Mild

Note: EXAMINED HISTOLOGICALLY.

Note: [HEPATOCLR ADEN] TGLs = 3,4,6,7-2+11+12+13

Note: [INFLAMMATION] TGLs = 5-2

Note: INFLAMMATORY FOCI SEEN IN ALL LIVER SECTIONS

Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-7			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 742	TRT#: 10 DOSE: 175 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 871542
ORGAN AND ACCOUNTABLE SITE STATUS			
Uterus		Hyperplasia	Cystic, Glandular, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 743

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
Ovary		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Spleen		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 744	TRT#: 10	SEX: Female	DAY ON TEST: 459
	DOSE: 175 PPM	DISP: Scheduled Sacrifice	HISTO: 871544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Lung		Inflammation	Chronic Active, Mild
Ovary		Cyst	
Thymus		Cyst	
Uterus		Hyperplasia	Cystic, Glandular, Moderate

Note: HYPERPLASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 745

TRT#: 10

SEX: Female

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Clitoral Gland
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland			
Note: LEFT ADRENAL GLD IN B01.			
Bone	Intervertebral Disc	Degeneration	Moderate
Bone Marrow	Femoral	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Clitoral Gland			
Note: HISTOMORPHOLOGICALLY.			
Note: TGL#1-NCL:CLITORAL GLD CONSIDERED TO BE WNL			
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLAR ADEN] TGLs = 8-15			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3,5,6,7,10-1+3+7+11+12+13			
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 745

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 871545

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LYMPH MAL MIXD] TGLs = 2-1
Thymus
Uterus
Note: [HYPERPLASIA] TGLs = 4-6

Lymphoma Malignant Mixed

Lymphoma Malignant Mixed
Hyperplasia

Cystic, Glandular, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 746

TRT#: 10

SEX: Female

DAY ON TEST: 458

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Minimal
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 747

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Skin
Tooth

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Stomach - Glandular
Trachea

Brain
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Thymus
Urinary Bladder

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Salivary Glands
Thyroid Gland

OBSERVATIONS

Bone
Bone Marrow

Kidney

Intervert Disc
Femoral
Thoracic, Vertebra
Tibia

Degeneration
Myelofibrosis
Myelofibrosis
Myelofibrosis
Lymphoma Malignant Mixed
Nephropathy
Hepatocellular Carcinoma

Mild
Minimal
Moderate
Minimal
Chronic, Minimal

Liver
Note: [HEPATOCLR CARC] TGLs = 2-12
Lung
Lymph Node
Ovary

Mesenteric

Inflammation
Lymphoma Malignant Mixed
Atrophy

Chronic Active, Mild
Minimal

Note: ONLY ONE OVARY AVAILABLE FOR HISTOMORPHOLOGICAL
Note: EXAMINATION.

Pituitary Gland
Spleen
Note: [LYMPH MAL MIXD] TGLs = 1-1
Stomach
Note: [SQ CL PAPILLOM] TGLs = 3-11
Uterus

Pars Distalis

Forestomach

Hyperplasia
Lymphoma Malignant Mixed

Squamous Cell Papilloma

Hyperplasia

Mild

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 748

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 606
HISTO: 871548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
Bone	Intervertebral Disc	Degeneration	Mild
Heart		Histiocytic Sarcoma	
Intestine Small	Duodenum	Inflammation	Chronic Active, Marked
Kidney		Histiocytic Sarcoma	
		Nephropathy	Chronic, Mild
Liver		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 3-1+2			
Lung		Histiocytic Sarcoma	
Lymph Node	Inguinal	Histiocytic Sarcoma	
	Mandibular	Histiocytic Sarcoma	
	Mediastinal	Histiocytic Sarcoma	
	Mesenteric	Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 6-4			
Mesentery		Histiocytic Sarcoma	
		Inflammation	Chronic Active, Mild
Nose	Nasolacrimal Duct	Inflammation	Suppurative, Mild
Ovary		Atrophy	Moderate
		Histiocytic Sarcoma	
Pituitary Gland	Pars Distalis	Adenoma	
		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 748	TRT#: 10	SEX: Female	DAY ON TEST: 606
	DOSE: 175 PPM	DISP: Moribund Sacrifice	HISTO: 871548

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA Spleen	TGLs = 4-7		Hematopoietic Cell Proliferation Hemorrhage Histiocytic Sarcoma	Marked Marked
Note: HEMA CELL PROL Note: HEMORRHAGE Stomach	TGLs = 1-1 TGLs = 2-11	Glandular	Erosion	Moderate
Note: EROSION Uterus	TGLs = 8-12		Histiocytic Sarcoma Hyperplasia	Cystic, Glandular, Mild
Note: [HISTIO SARC]	TGLs = 5-11			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:HISTIOCYTIC SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 749

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Mild
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Marked
	Tibia	Myelofibrosis	Minimal
Kidney	Renal Tubule	Necrosis	Mild
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN]			TGLs = 2-1
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN]			TGLs = 1-11
Ovary		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thymus		Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 750

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Mild
Heart		Hemangiosarcoma	Metastatic (Liver)
Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-11			
Note: [HEMANGIOSARC] TGLs = 2-12			
Mammary Gland		Hyperplasia	Cystic, Moderate
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Thymus		Cyst	
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 751

TRT#: 10

SEX: Female

DAY ON TEST: 684

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Spleen
Tooth

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Kidney
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

Bone
Heart
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thyroid Gland

MISSING

Harderian Gland

Thymus

OBSERVATIONS

Bone Marrow
Humerus
Thoracic, Vertebra
Intestine Small
Note: LYMPH MAL LYMP TGLs = 3-12
Jejunum, Lymphoid Tiss

Humerus
Thoracic, Vertebra
Jejunum, Lymphoid Tiss

Myelofibrosis
Myelofibrosis
Lymphoma Malignant Lymphocytic

Moderate
Mild

Liver
Note: NECROSIS TGLs = 2,5-1+11

Necrosis

Coagulative, Marked

Lymph Node
Note: LYMPH MAL LYMP TGLs = 1-12

Mesenteric

Lymphoma Malignant Lymphocytic

Tissue NOS
Note: TGL#2:TISSUE NOS MASS,NOTED AT NECROPSY,IS
Note: SMALL,INFARCTED LIVER LOBE HISTOMORPHOLOGICALLY.

Uterus

Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:HEPATIC NECROSIS;LYMPH MAL LYMPH.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:22
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 752

TRT#: 10

SEX: Female

DAY ON TEST: 573

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea		

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic	
	Medulla	Lymphoma Malignant Lymphocytic	
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Minimal
Kidney		Lymphoma Malignant Lymphocytic	
		Mineralization	Minimal
Liver		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Deep Cervical	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 1,2,3,4,6-3+4+7+11+12		
Mesentery		Lymphoma Malignant Lymphocytic	
Ovary		Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Skin		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 5-1		
Thymus		Lymphoma Malignant Lymphocytic	
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus		Hyperplasia	Cystic, Glandular, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 752	TRT#: 10	SEX: Female	DAY ON TEST: 573
	DOSE: 175 PPM	DISP: Moribund Sacrifice	HISTO: 871552

ORGAN AND ACCOUNTABLE SITE STATUS

Lymphoma Malignant Lymphocytic

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:LYMPH MAL LYMPH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 753

TRT#: 10

SEX: Female

DAY ON TEST: 459

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Tooth

Bone
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Trachea

Brain
Heart
Intestine Small - Duodenum
Lung
Nose
Skin
Thymus
Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow
Kidney
Liver
Ovary
Uterus

Thoracic, Vertebra

Myelofibrosis
Nephropathy
Vacuolization Cytoplasmic
Cystadenoma
Hyperplasia

Minimal
Chronic, Minimal
Minimal
Cystic, Glandular, Moderate

Note: HYPERPLASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 754

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Bone	Intervert Disc	Degeneration	Mild
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-1			
Note: [HEPATOCLR ADEN] TGLs = 1,3-11			
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 755

TRT#: 10

SEX: Female

DAY ON TEST: 459

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Minimal
Liver		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Minimal
Note: HEPATOCLR CARC	TGLs = 2-11		
Uterus		Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA	TGLs = 1-6		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 756

TRT#: 10

SEX: Female

DAY ON TEST: 165

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

OBSERVATIONS

Bone Marrow

Humerus

Myelofibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 757	TRT#: 10	SEX: Female	DAY ON TEST: 458
	DOSE: 175 PPM	DISP: Scheduled Sacrifice	HISTO: 871557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Liver		Eosinophilic Focus	
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:22
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 758 **TRT#:** 10 **SEX:** Female **DAY ON TEST:** 736
DOSE: 175 PPM **DISP:** Terminal Sacrifice **HISTO:** 871558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
	Tibia	Myelofibrosis	Mild
Brain		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
		Lymphoma Malignant Mixed	
Note: [HDN] TGLs = 4-1			
Note: [HEPATOCLR ADEN] TGLs = 2-11			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Lymphoma Malignant Mixed	
Ovary		Atrophy	Mild
Pancreas		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL UNDF] TGLs = 3-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 758

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871558

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Dilatation

Marked

Note: [DILATATION] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 759

TRT#: 10

SEX: Female

DAY ON TEST: 278

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Spinal Cord	White Matter	Degeneration	Mild
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY: REAR LIMB PARALYSIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 760

TRT#: 10

SEX: Female

DAY ON TEST: 286

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Tooth

Trachea

Urinary Bladder

OBSERVATIONS

Uterus

Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 761

TRT#: 10

SEX: Female

DAY ON TEST: 568

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Ear
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Maxilla	Myelofibrosis	Moderate
	Thoracic, Vertebra	Myelofibrosis	Minimal
Brain		Inflammation	Chronic Active, Mild
Liver		Eosinophilic Focus	
Note: EOSIN FOCUS TGLs = 2-11			
Pancreas	Duct	Ectasia	Mild
Stomach	Forestomach	Inflammation	Chronic Active, Moderate
	Forestomach	Squamous Cell Papilloma	Multiple
Note: SQ CL PAPILOM TGLs = 3-12			
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: BUT UNABLE TO CONFIRM HISTOPATHOLOGICALLY.

Animal Note: SUSPECTED INNER AND/OR MIDDLE EAR INFLAMMATION,

Animal Note: CAUSE OF MORBIDITY:CLINICAL SIGNS OF CIRCLING;

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 762

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Moderate
Kidney		Mineralization	Minimal
	Renal Tubule	Necrosis	Mild
		Nephropathy	Chronic, Minimal
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicle	Cyst	
	Follicular Cel	Hyperplasia	Mild
Note: [CYST] TGLs = 2-2			
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium fluoride
 CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
 Time Report Requested: 13:29:22
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 763

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 871563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Liver		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 3-1+2			
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 1-6			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Histiocytic Sarcoma	
		Hyperplasia	Cystic, Glandular, Moderate
Note: [HISTIO SARC] TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 764

TRT#: 10

SEX: Female

DAY ON TEST: 165

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 765

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Moderate
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3,4,5,6-1+13+14			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2,7,8-4+7+12+15			
Ovary		Atrophy	Mild
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 766

TRT#: 10

SEX: Female

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic	
Bone Marrow	Thoracic, Vertebra	Myelofibrosis	Mild
Brain		Compression	
Kidney		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 6-1		
Liver		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 3-1+2		
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 4,5,9-4+7+12		
Ovary		Atrophy	Moderate
		Cyst	
Note: CYST	TGLs = 1-6		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 7-7		
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 2-11		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 766

TRT#: 10

SEX: Female

DAY ON TEST: 731

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871566

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:LYMPH MAL LYMPH.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 768

TRT#: 10

SEX: Female

DAY ON TEST: 705

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma Inflammation Necrosis	Multiple Chronic Active, Moderate Coagulative, Moderate
Note: NECROSIS TGLs = 2-11			
Note: HEPATOCLR ADEN TGLs = 3-11			
Lung		Fibrosarcoma	Metastatic (Skin)
Ovary		Atrophy Cyst	Marked
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-12			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-1			
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:CUTANEOUS FIBROSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 769

TRT#: 10

SEX: Female

DAY ON TEST: 165

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

OBSERVATIONS

Bone Marrow

Humerus

Myelofibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 770

TRT#: 10

SEX: Female

DAY ON TEST: 166

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Eye

Gallbladder

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Eye

Note: TGL#1-NCL-RIGHT EYE CONSIDERED TO BE

Note: WNL HISTOPATHOLOGICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 771

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 349
HISTO: 871571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Humerus	Myelofibrosis	Marked
	Mandible	Myelofibrosis	Marked
	Maxilla	Myelofibrosis	Marked
	Thoracic, Vertebra	Myelofibrosis	Moderate
	Tibia	Myelofibrosis	Moderate
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 1-1		
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Uterus		Hyperplasia	Cystic, Glandular, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:CHRONIC NEPHROPATHY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 772	TRT#: 10	SEX: Female	DAY ON TEST: 737
	DOSE: 175 PPM	DISP: Terminal Sacrifice	HISTO: 871572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
Lymph Node			
Note: MANDIBULAR LYMPH NODE IN B03.			
Mesentery		Inflammation	Necrotizing, Marked
		Mineralization	Minimal
Note: [INFLAMMATION] TGLs = 1-11			
Ovary		Atrophy	Mild
		Cyst	
Note: [CYST] TGLs = 2-6			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 773

TRT#: 10

SEX: Female

DAY ON TEST: 314

DOSE: 175 PPM

DISP: Moribund Sacrifice

HISTO: 871573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Kidney	Mineralization	Minimal
Uterus	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 774

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney	Perivascular	Hyperplasia	Lymphoid, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN]	TGLs = 4,5-12+13		
Ovary		Atrophy	Mild
		Cystadenoma	Papillary
Skin	Subcut Tiss	Fibrosarcoma	
Note: [FIBROSARC]	TGLs = 1-11		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL]	TGLs = 2-1		
Uterus		Hyperplasia	Cystic, Glandular, Moderate
		Sarcoma Stromal	
Note: [SARC STROMAL]	TGLs = 3-6		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 775

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 5-13			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 4-12			
Mesentery		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 2-11			
Ovary		Atrophy	Minimal
		Cyst	
Note: [CYST] TGLs = 3-6			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Moderate
Note: [HYPERPLASIA] TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 776

TRT#: 10

SEX: Female

DAY ON TEST: 715

DOSE: 175 PPM

DISP: Natural Death

HISTO: 871576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Skin
Trachea

Adrenal Gland - Medulla
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Stomach - Forestomach

Brain
Heart
Intestine Small - Duodenum
Mammary Gland
Pituitary Gland
Stomach - Glandular

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Salivary Glands
Tooth

MISSING

Clitoral Gland

OBSERVATIONS

Bone Intervert Disc
Bone Marrow Femoral
Maxilla
Thoracic, Vertebra

Clitoral Gl
Note: OR WET TISSUE.
Note: TGL#1-NCL:NO CLITORAL GLD TISSUE FOUND IN BLOCK

Kidney
Liver
Lung
Lymph Node Mandibular
Mesenteric

Note: LYMPH MAL LYMP TGLs = 2-7
Mesentery
Ovary
Spleen
Note: LYMPH MAL LYMP TGLs = 3-11
Thymus
Thyroid Gland

Degeneration Mild
Myelofibrosis Minimal
Myelofibrosis Minimal
Myelofibrosis Moderate

Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic

Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic

Lymphoma Malignant Lymphocytic
Inflammation Chronic Active, Mild
Lymphoma Malignant Lymphocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 776

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 715
HISTO: 871576

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder
Uterus

Lymphoma Malignant Lymphocytic
Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:LYMPH MAL LYMPH.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 777

TRT#: 10
DOSE: 175 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST: 166
HISTO: 871577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 778

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Mild
	Maxilla	Myelofibrosis	Mild
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Mineralization	Minimal
Liver		Eosinophilic Focus	
Ovary		Atrophy	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Dilatation	Moderate
		Hyperplasia	Cystic, Glandular, Mild

Note: [DILATATION] TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride

CAS Number: 7681-49-4

Date Report Requested: 10/21/2014

Time Report Requested: 13:29:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 779

TRT#: 10

SEX: Female

DAY ON TEST: 730

DOSE: 175 PPM

DISP: Terminal Sacrifice

HISTO: 871579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Bone	Intervertebral Disc	Degeneration	Mild
	Thoracic, Vertebra	Osteosclerosis	Moderate
Bone Marrow	Femoral	Myelofibrosis	Minimal
	Humerus	Myelofibrosis	Minimal
	Maxilla	Myelofibrosis	Minimal
	Thoracic, Vertebra	Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-1+2+12+13+14+15+16+17			
Mesentery		Lipoma	
Note: [LIPOMA] TGLs = 2-11			
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Salivary Glands	Duct	Ectasia	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Tooth	Dentine, Incisor	Dysplasia	Minimal
Uterus		Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05131-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium fluoride
CAS Number: 7681-49-4

Date Report Requested: 10/21/2014
Time Report Requested: 13:29:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 780

TRT#: 10

SEX: Female

DAY ON TEST: 166

DOSE: 175 PPM

DISP: Scheduled Sacrifice

HISTO: 871580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE