

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

C Number:	C55118
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	10/12/1988

Experiment Number: 05096-02
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7001	TRT#: 3 DOSE: 0.75 MG/M3	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 752 HISTO: 11677
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Nose		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild

Note: LATERAL WALL IN XS 1.

Note: LESIONS ON TIP OF RIGHT TURBINATES AND ADJACENT

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7002

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.75 MG/M3

DISP: Dead

HISTO: 11678

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	Islets, Pancreatic
Larynx	Lung	Lymph Node - Bronchial	Pancreas
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Tissue NOS	Trachea	

MISSING

Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 6-10			
Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Mild
Note: TURBINATES ON THE ADJACENT LATERAL			
Note: 1 ON THE TIP OF ONE OF THE MAXILLARY			
Note: WALL AND ALSO ON THE MEDIAN SEPTUM.			
Note: THE SQUAMOUS METAPLASIA IN THE NOSE IS IN SECTION			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 7-8			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Hyperplasia	Minimal
Note: THE MASS DESCRIBED IN THE BLADDER GROSSLY IS A			
Note: LARGE SEMINAL PLUG.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7003

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7004

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: 0.75 MG/M3

DISP: Dead

HISTO: 11681

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
Islets, Pancreatic	Larynx	Lymph Node - Bronchial	Pancreas
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Testes
Thyroid Gland	Trachea		

MISSING

Lymph Node - Mandibular	Parathyroid Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Hyperplasia	Mild
Kidney		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 2-5			
Liver		Hematopoietic Cell Proliferation	Moderate
Note: [HEPATOCLR ADEN] TGLs = 3-10			
Lung		Leukocytosis	Mild
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Marked
Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Moderate
Note: THE NOSE LESIONS ARE IN THE MOST ANTERIOR SECTION			
Note: ON THE TURBINATES ON THE ADJACENT LATERAL WALLS.			
Preputial Gland		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-11			
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Inflammation	Suppurative, Moderate
Skin		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7004	TRT#: 3 DOSE: 0.75 MG/M3	SEX: Male DISP: Dead	DAY ON TEST: 657 HISTO: 11681
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: [INFLAMMATION] TGLs = 1-11		Ulcer	Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Erosion	Moderate
Note: [EROSION] TGLs = 4-8			
Urinary Bladder		Hyperplasia	Moderate
		Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7005

TRT#: 3

SEX: Male

DAY ON TEST: 608

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 11682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Islets, Pancreatic
Lymph Node - Bronchial
Salivary Glands
Stomach - Glandular

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Larynx
Pancreas
Seminal Vesicle
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Liver
Pituitary Gland
Spleen
Trachea

Bone Marrow
Gallbladder
Intestine Small - Ileum
Lung
Prostate
Stomach - Forestomach

MISSING

Intestine Large - Rectum
Parathyroid Gland

Intestine Small - Jejunum

Lymph Node - Mandibular

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland
Kidney
Nose

Capsule
Respirat Epith
Respirat Epith

Hyperplasia
Nephropathy
Hyperplasia
Inflammation
Metaplasia

Mild
Chronic, Minimal
Mild
Suppurative, Marked
Squamous, Mild

Note: AND ADJACENT LATERAL WALL, IN THE MOST ANTERIOR
Note: SECTION OF THE NOSE.
Note: THE NOSE LESIONS ARE ON THE MAXILLARY TURBINATE

Skin

Note: [INFLAMMATION] TGLs = 2-10

Inflammation

Suppurative, Marked

Testes

Note: [ATROPHY] TGLs = 3-7

Note: [INFLAMMATION] TGLs = 2-7

Atrophy
Inflammation

Moderate
Suppurative, Marked

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

Urinary Bladder

Note: [DILATATION] TGLs = 1-8

Dilatation

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7005

TRT#: 3

SEX: Male

DAY ON TEST: 608

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 11682

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7006

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lung

Nose

Stomach - Glandular

INSUFFICIENT TISSUE

Stomach - Forestomach

OBSERVATIONS

Stomach

Note: FORESTOMACH: 5 STEP SECTIONS, STILL INSUFF. TISSUE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7007	TRT#: 3 DOSE: 0.75 MG/M3	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 752 HISTO: 11683
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Nose		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7008

TRT#: 3

DOSE: 0.75 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 752

HISTO: 11684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Liver

Hepatocellular Carcinoma

Note: [HEPATOCLR CARC] TGLs = 1-10

Nose

Inflammation

Suppurative, Mild

Note: TOOTH AND PERIDONTAL SOFT TISSUE.

Note: SUPPURATIVE RHINITIS IN XS 1, UNILATERAL, ALSO INVOLVES

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7009

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Skin

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Mild

Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7010	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 2,3,4-4+10+11+12			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: [HEPATOCLR CARC] TGLs = 5,6-3			
Mesentery	Artery	Thrombosis	Mild
Note: [THROMBUS] TGLs = 7-14			
Nose		Foreign Body	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7011	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
Nose	Inflammation	Suppurative, Minimal
Preputial Gland	Cyst	
	Hyperplasia	Mild
Note: [HYPERPLASIA] TGLs = 1-10		
Note: [CYST] TGLs = 1-10		
Skin	Inflammation	Suppurative, Mild
Note: [INFLAMMATION] TGLs = 1-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7012

TRT#: 3

SEX: Male

DAY ON TEST: 562

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 9409

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	Larynx
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland	Stomach - Forestomach
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INSUFFICIENT TISSUE

Nose

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-4			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Inguinal	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	

Note: [LYMPH MAL MIXD] TGLs = 4-5

Note: [LYMPH MAL MIXD] TGLs = 5-11

Note: [LYMPH MAL MIXD] TGLs = 7-7

Note: [LYMPH MAL MIXD] TGLs = 3-3

Note: [LYMPH MAL MIXD] TGLs = 6-12

Nose

Note: THERE IS BLEACH ARTIFACT IN THIS ANIMAL WHICH PREVENTS

Note: INTERPERTATION OF THE NOSE SECTIONS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7012

TRT#: 3

SEX: Male

DAY ON TEST: 562

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 9409

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas

Lymphoma Malignant Mixed

Spleen

Lymphoma Malignant Mixed

Note: [LYMPH MAL MIXD] TGLs = 1-10

Thymus

Lymphoma Malignant Mixed

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7013	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Lung	Alveolus	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7014	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
Liver	Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-10		
Nose	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7015	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Nose	Stomach - Glandular
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MISSING

Stomach - Forestomach

OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
Stomach		

Note: FORESTOMACH: 5 STEP XS; STILL MISSING.

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7016

TRT#: 3
DOSE: 0.75 MG/M3

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 752
HISTO: 11691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney
Stomach - Glandular

Lung

Nose

Stomach - Forestomach

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7017

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7018

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7019	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach	Stomach - Glandular
-----------------------	---------------------

OBSERVATIONS

Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-10			
Kidney		Nephropathy	Chronic, Minimal
Lung	Alveolus	Hyperplasia	Moderate
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7020

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Preputial Gland

Cyst

Inflammation

Suppurative, Moderate

Note: [CYST] TGLs = 1-10

Note: [INFLAMMATION] TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7021	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-4			
Nose	Respirat Epith	Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7022

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7023

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung
Stomach - Glandular

Nose

Skin

Stomach - Forestomach

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7024

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Lung

Alveolar/Bronchiolar Adenoma

Note: [ALV BRON ADEN] TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7025	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
Lung	Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 1-3		
Nose	Inflammation	Suppurative, Minimal
	Respirat Epith	Squamous, Mild
	Metaplasia	

Note: LESION IS DORSOLATERAL TO THE RIGHT MAXILLARY TURBINATE.

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7026

TRT#: 3
DOSE: 0.75 MG/M3

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 752
HISTO: 11701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney
Stomach - Glandular

Lung

Nose

Stomach - Forestomach

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7027

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose

Stomach - Forestomach

OBSERVATIONS

Kidney

Nephropathy

Chronic, Mild

Lung

Alveolar/Bronchiolar Adenoma

Note: [ALV BRON ADEN] TGLs = 1-10

Stomach

Glandular

Inflammation

Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7028

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Lung

Alveolar/Bronchiolar Adenoma

Note: [ALV BRON ADEN] TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7029	TRT#: 3 DOSE: 0.75 MG/M3	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 752 HISTO: 11704
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
Liver	Hepatocellular Adenoma Hepatocellular Carcinoma	

Note: [HEPATOCLR CARC] TGLs = 1-10

Note: [HEPATOCLR ADEN] TGLs = 2-10

Lung	Hepatocellular Carcinoma	Metastatic (Liver)
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7030

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7031

TRT#: 3

SEX: Male

DAY ON TEST: 527

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 9112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Bone	Cranium	Adenocarcinoma	Metastatic (Lung)
	Rib	Carcinoma	Metastatic (Lung)
Note: [ADENOCARC] TGLs = 9-10			
Note: [CARCINOMA] TGLs = 4,8-11+12			
Brain		Mineralization	Mild
Kidney		Adenocarcinoma	Metastatic (Lung)
Note: [ADENOCARC] TGLs = 7-5			
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 5,6-4+13+14			
Lung		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 3-3			
Lymph Node	Mediastinal	Adenocarcinoma	Metastatic (Lung)
Nose		Inflammation	Suppurative, Mild
Note: THE MOST CAUDAL SECTION OF THE NOSE			
Note: THE NOSE LESION IS MOST SEVERE IN			
Preputial Gland		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-15			
Testes		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7031

TRT#: 3

SEX: Male

DAY ON TEST: 527

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 9112

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: AUDITORY SEBACEOUS GLAND.

Animal Note: PRIMARY SITE FOR THE TUMOR IN THIS ANIMAL IS NOT

Animal Note: CLEAR CUT. DIFFERENTIAL DIAGNOSIS INCLUDE

Animal Note: PRIMARY TUMOR OF THE KIDNEY, GALLBLADDER, OR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7032

TRT#: 3
DOSE: 0.75 MG/M3

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 752
HISTO: 11706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Nose	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7033

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung
Stomach - Glandular

Nose

Skin

Stomach - Forestomach

OBSERVATIONS

Kidney
Seminal Vesicle
Note: [DILATATION] TGLs = 1-8
Skin

Nephropathy
Dilatation

Chronic, Minimal
Moderate

Note: SKIN MASS IS NORMAL LYMPH NODE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7034	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 1-10			
Note: [HEPATOCLR ADEN] TGLs = 2-10			
Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
Note: LESION IS ON AND AROUND LEFT NASAL TURBINATE IN XS 1.			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7035	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 1,2-11+12			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-10			
Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
Stomach	Epithelium, Glandular	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7036

TRT#: 3
DOSE: 0.75 MG/M3

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 752
HISTO: 11710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Nose	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7037	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach	Stomach - Glandular
-----------------------	---------------------

OBSERVATIONS

Intestine Small Note: [POLYP ADENOMAT] TGLs = 2-10	Duodenum	Polyp Adenomatous	
Kidney		Nephropathy	Chronic, Minimal
Lung Note: [ALV BRON ADEN] TGLs = 1-3		Alveolar/Bronchiolar Adenoma	
Nose	Respirat Epith	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7038	TRT#: 3 DOSE: 0.75 MG/M3	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 752 HISTO: 11712
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Nose	Stomach - Forestomach	Stomach - Glandular
------	------	-----------------------	---------------------

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 2-10			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 1-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7039

TRT#: 3
DOSE: 0.75 MG/M3

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 752
HISTO: 11713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung
Stomach - Glandular

Nose

Skin

Stomach - Forestomach

OBSERVATIONS

Kidney
Liver
Note: [HYPERPLASIA] TGLs = 2-10

Nephropathy
Hyperplasia

Chronic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7040

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Stomach

Note: GLANDULAR: 5 STEP SECTIONS, STILL NR.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7041	TRT#: 3 DOSE: 0.75 MG/M3	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 752 HISTO: 11715
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney	Pelvis	Inflammation Nephropathy	Suppurative, Mild Chronic, Minimal
Liver		Hepatocellular Adenoma Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 1-10			
Note: [HEPATOCLR ADEN] TGLs = 2-11			
Nose		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7042	TRT#: 3	SEX: Male	DAY ON TEST: 374
	DOSE: 0.75 MG/M3	DISP: Dead	HISTO: 11716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Heart
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MISSING

Islets, Pancreatic	Mammary Gland	Pancreas	Parathyroid Gland
Spleen	Thymus		

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	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	Kidney	Larynx	Liver
Lung	Lymph Node - Bronchial	Lymph Node - Mandibular	Nose
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7043	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Nose		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7044

TRT#: 3

SEX: Male

DAY ON TEST: 752

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Mild

Liver

Hepatocellular Adenoma

Note: [HEPATOCLR ADEN] TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7045

TRT#: 3

SEX: Male

DAY ON TEST: 585

DOSE: 0.75 MG/M3

DISP: Dead

HISTO: 9479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Islets, Pancreatic	Larynx	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea

MISSING

Mammary Gland	Parathyroid 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

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 4-5			
Liver		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3-4			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Axillary	Lymphoma Malignant Mixed	
	Bronchial	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 6-10			
Note: [LYMPH MAL MIXD] TGLs = 1-7			
Skin		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 5,7-2]			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-4			
Thymus		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

Animal Note: THIS ANIMAL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7045

TRT#: 3

SEX: Male

DAY ON TEST: 585

DOSE: 0.75 MG/M3

DISP: Dead

HISTO: 9479

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: THERE IS A LOT OF AUTOLYSIS IN THE TISSUES IN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7046	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Skin	Stomach - Glandular
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MISSING

Stomach - Forestomach

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Hyperplasia	Mild
Preputial Gland		Cyst	Minimal
		Inflammation	Chronic, Mild

Note: [CYST] TGLs = 1-11

Note: [INFLAMMATION] TGLs = 1-11

Stomach

Note: FORESTOMACH: 5 STEP SECTIONS, STILL MISSING.

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7047	TRT#: 3 DOSE: 0.75 MG/M3	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 752 HISTO: 11720
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Nose	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Harderian Gland Note: [ADENOMA] TGLs = 2-11		Adenoma	
Kidney	Pelvis	Inflammation Nephropathy	Suppurative, Mild Chronic, Minimal
Lymph Node Note: [LYMPH MAL MIXD] TGLs = 3-12	Mesenteric	Lymphoma Malignant Mixed	
Spleen Note: [LYMPH MAL MIXD] TGLs = 1-10		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7048

TRT#: 3

SEX: Male

DAY ON TEST: 513

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 9066

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

Kidney

Larynx

Liver

Lung

Lymph Node - Mandibular

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Lymph Node - Bronchial

Mammary Gland

Spleen

OBSERVATIONS

Nose

Inflammation

Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7049

TRT#: 3

DOSE: 0.75 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 752

HISTO: 11721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Liver

Hepatocellular Adenoma

Note: [HEPATOCLR ADEN] TGLs = 2-11

Lung

Alveolar/Bronchiolar Adenoma

Alveolus

Infiltration Cellular

Histiocyte, Mild

Note: [ALV BRON ADEN] TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7050	TRT#: 3	SEX: Male	DAY ON TEST: 752
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 3-10			
Nose		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Penis		Inflammation	Suppurative, Marked
		Necrosis	Marked
Note: [INFLAMMATION] TGLs = 1-11			
Note: [NECROSIS] TGLs = 1-11			
Urinary Bladder		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 2-11			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8001

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	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	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hemangioma	Multiple
Note: [HEMANGIOMA] TGLs = 2,3-10+11			
Nose		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8002

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 8-15			
Kidney	Artery	Inflammation	Mild
		Nephropathy	Chronic, Mild
Liver		Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
Note: #12 IS ADENOMA.			
Note: DIFFERENTIAL DIAGNOSIS FOR THE LIVER LESION ON SLIDE			
Note: [HYPERPLASIA] TGLs = 6-12			
Note: [HDN] TGLs = 5-11			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Note: [ALV BRON ADEN] TGLs = 7-10			
Nose		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Note: IN THE MOST ANTERIOR NOSE SECTION.			
Note: AND NASAL TURBINATES, AND THE ADJACENT LATERAL WALL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8002	TRT#: 5	SEX: Male	DAY ON TEST: 750
	DOSE: 1.5 MG/ M3	DISP: Terminal Sacrifice	HISTO: 11502

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE NOSE LESIONS ARE AT THE TIPS OF THE MAXILLARY			
Preputial Gland		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 2-14			
Seminal Vesicle		Dilatation	Marked
Note: [DILATATION] TGLs = 3-13			
Skin		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-14			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8003

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Larynx
Lymph Node - Mandibular
Pituitary Gland
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Liver
Nose
Prostate
Spleen
Thymus

Bone
Heart
Intestine Small - Duodenum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Islets, Pancreatic
Lymph Node - Bronchial
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

MISSING

Gallbladder Mammary Gland

OBSERVATIONS

Brain
Eye
Intestine Small

Retina
Ileum
Jejunum

Mineralization
Vacuolization Cytoplasmic
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed

Mild
Mild

Note: [LYMPH MAL MIXD] TGLs = 3-10

Note: [LYMPH MAL MIXD] TGLs = 4-11

Kidney

Nephropathy

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8004

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular
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	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1-10			
Lung	Alveolus	Hyperplasia	Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Note: NOSE LESIONS ARE ON THE TURBINATES IN SECTION 1.			
Stomach	Epithelium, Glandular	Hyperplasia	Mild
	Glandular	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8005

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11505

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

Larynx

Liver

Lung

Lymph Node - Bronchial

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Lymph Node - Mandibular

Mammary Gland

Stomach - Forestomach

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Mild

Eye

Retina

Vacuolization Cytoplasmic

Minimal

Kidney

Nephropathy

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8006

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 2-10			
Kidney		Cyst	
		Nephropathy	Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Marked
[Alveolar/Bronchiolar Adenoma TGLS = 1-3]			
Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Testes		Atrophy	Mild
Urinary Bladder		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8007

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Eye

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Liver

Lung

Lymph Node - Bronchial

Lymph Node - Mandibular

Nose

Pancreas

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Gallbladder

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Minimal

Kidney

Nephropathy

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8008

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Mineralization	Moderate
		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Adenoma	
Note: DIFFERENTIAL DIAGNOSIS INCLUDE HYPERPLASIA AND A GIANT			
Note: [HEPATOCYCLR ADEN] TGLs = 1-4			
Note: THERE IS A LOT OF ROOM FOR DISCUSSION ON THIS LIVER LESION,			
Note: CLEAR CELL FOCUS.			
Nose	Respirat Epith	Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Mild
Note: THE TIPS OF THE TURBINATES AND THE ADJACENT LATERAL			
Note: THE NOSE LESIONS ARE IN THE FIRST SECTIONS AND AT			
Note: WALL.			
Parathyroid Gland		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8009

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Larynx
Pituitary Gland
Skin
Testes

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Prostate
Spleen
Thymus

Bone Marrow
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Lymph Node - Bronchial

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Kidney

Cyst
Nephropathy

Chronic, Mild

Note: [CYST] TGLs = 1-5

Lung

Alveolar/Bronchiolar Adenoma

Nose

Respirat Epith

Metaplasia

Squamous, Mild

Thyroid Gland

Follicular Cel

Cyst

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalonitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8010

TRT#: 5

SEX: Male

DAY ON TEST: 693

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 11510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Eye	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Bronchial	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	

MISSING

Gallbladder	Lymph Node - Mandibular	Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 3,4-10+11			
Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Moderate
Prostate		Inflammation	Suppurative, Marked
Seminal Vesicle		Inflammation	Suppurative, Marked
Skin		Acanthosis	Marked
		Inflammation	Suppurative, Marked
Note: [ACANTHOSIS] TGLs = 1-12			
Note: [INFLAMMATION] TGLs = 1-12			
Urinary Bladder		Inflammation	Suppurative, Marked
		Ulcer	Marked
Note: [ULCER] TGLs = 2-8			
Note: [INFLAMMATION] TGLs = 2-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8010

TRT#: 5

SEX: Male

DAY ON TEST: 693

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 11510

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8011

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	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	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Nose	Olfactory Epi	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8012

TRT#: 5

SEX: Male

DAY ON TEST: 713

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 11512

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 - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Eye	Intestine Small - Duodenum	Intestine Small - Ileum
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hemangiosarcoma	Multiple
[Hemangiosarcoma TGLS = 2,3,4-4+10+11]			
Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
Pancreas		Hemangiosarcoma	Metastatic (Spleen)
Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-4]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8013

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Epididymis

Esophagus

Eye

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Liver

Lung

Lymph Node - Bronchial

Nose

Pancreas

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Lymph Node - Mandibular

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Brain

Mineralization

Mild

Kidney

Nephropathy

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8014

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	Pancreas	Pituitary Gland	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney	Inflammation Nephropathy	Suppurative, Marked Chronic, Mild
Note: [INFLAMMATION] TGLs = 4-5		
Liver	Hepatocellular Carcinoma Inflammation	Suppurative, Minimal
Note: [HEPATOCLR CARC] TGLs = 3-10		
Nose	Inflammation Respirat Epith Metaplasia	Suppurative, Mild Squamous, Mild
Note: LOCATED ON THE TIP OF THE MAXILLARY TURBINATE AND ADJACENT		
Note: METAPLASIA ON THE TIP OF THE NASAL TURBINATE ON THE		
Note: SAME SIDE.		
Note: LATERAL WALL. TO A LESSER EXTENT THERE IS SQUAMOUS		
Note: THE NOSE LESIONS ON ONE SIDE ONLY IN SECTION #1, WHICH		
Penis	Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-11		
Prostate	Inflammation	Suppurative, Moderate
Skin	Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-11		
Spleen	Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8014	TRT#: 5	SEX: Male	DAY ON TEST: 750
	DOSE: 1.5 MG/ M3	DISP: Terminal Sacrifice	HISTO: 11514

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 2-4]

Urinary Bladder

Inflammation

Suppurative, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8015

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	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	Hyperplasia	Minimal
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Thyroid Gland		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8016

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Eye	Retina	Vacuolization Cytoplasmic	Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Angiectasis	Minimal
Testes		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8017

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Mineralization	Mild
	Nephropathy	Chronic, Moderate
Liver	Hyperplasia	Marked
Note: DIAGNOSIS IS ADENOMA.		
Note: THIS IS A HIGHLY CONTROVERSIAL LESION, DIFFERENTIAL		
[Hyperplasia TGLS = 1-10]		
Pituitary Gland	Cyst	
Urinary Bladder	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8018

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Adrenal Gland - Cortex Adrenal Gland - Medulla

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Stomach	Forestomach	Inflammation	Suppurative, Marked
	Forestomach	Squamous Cell Carcinoma	
Note: [INFLAMMATION] TGLs = 1-8			
Note: [SQUAM CEL CARC] TGLs = 1-8			
Testes		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8019

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Brain	Mineralization	Mild
Kidney	Nephropathy	Chronic, Mild
Liver	Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2,3-10+11]		
Nose	Respirat Epith	Hyperplasia
Note: NASAL TURBINATES ON THE MEDIAL SURFACE IN SEC. #1.		
Note: THERE IS A FOCUS OF EPITHIAL HYPERPLASIA ON ONE OF		
Preputial Gland	Cyst	
Note: [CYST] TGLs = 1-12		

PRIMARY CAUSE OF DEATH

-

Animal Note: THE HISTOLOGY ON THE TISSUES OF THIS ANIMAL IS POOR.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8020

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Seminal Vesicle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Pituitary Gland
Skin
Testes
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Prostate
Spleen
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Salivary Glands
Stomach - Forestomach
Thyroid Gland

MISSING

Epididymis

Mammary Gland

Parathyroid Gland

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland
Brain
Kidney

Capsule

Hyperplasia
Mineralization
Nephropathy

Mild
Mild
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8021

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Minimal
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8022

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 11522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lung	Lymph Node - Mandibular
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Testes	Thyroid Gland
Trachea			

MISSING

Lymph Node - Bronchial	Mammary Gland	Parathyroid Gland	Thymus
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INSUFFICIENT TISSUE

Stomach - Glandular

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Kidney	Pelvis	Inflammation	Suppurative, Marked
		Nephropathy	Chronic, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Note: AND ADJACENT LATERAL WALL IN SECTON #1 OF THE NOSE.			
Note: NOSE LESIONS ARE UNILATERAL ON THE MAXILLARY TURBINATE			
Preputial Gland		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-11			
Seminal Vesicle		Inflammation	Suppurative, Moderate
Skin		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-11			
Urinary Bladder		Hemorrhage	Moderate
		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 2-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8022

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 11522

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:09
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8023	TRT#: 5	SEX: Male	DAY ON TEST: 511
	DOSE: 1.5 MG/ M3	DISP: Dead	HISTO: 9056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Bronchial	Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Nose	Respirat Epith	Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8024

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Ileum
Liver
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

Bone
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Bronchial
Pituitary Gland
Skin
Testes
Urinary Bladder

Bone Marrow
Eye
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Prostate
Spleen
Thymus

MISSING

Intestine Large - Rectum

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Adrenal Gland
Kidney
Nose

Capsule
Respirat Epith

Hyperplasia
Nephropathy
Hyperplasia
Inflammation

Mild
Chronic, Mild
Minimal
Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:09

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8025

TRT#: 5

SEX: Male

DAY ON TEST: 562

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 9408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland
Parathyroid Gland	Thymus		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1-4+10			
Nose	Respirat Epith	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8026

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Moderate
Seminal Vesicle		Dilatation	Marked
Note: [DILATATION] TGLs = 2-10			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8027

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11525

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	Larynx
Lung	Lymph Node - Bronchial	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Capsule	Hyperplasia	Mild
Eye	Retina	Vacuolization Cytoplasmic	Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLS = 1-10]		
Nose		Inflammation	Suppurative, Mild

Note: ASPECT, AND IT IS VERY FOCAL.

Note: THE NOSE LESIONS ARE IN SECTION #3 IN THE DORSAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8028

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

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

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

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney
Lung

Nephropathy
Alveolar/Bronchiolar Adenoma

Chronic, Mild

[Alveolar/Bronchiolar Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8029

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Medulla	Karyomegaly	Moderate
Kidney		Cyst	
		Nephropathy	Chronic, Mild
Nose		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Note: IN SECTION #1.			
Note: OF THE MAXILLARY TURBINATE AND ADJACENT LATERAL WALL,			
Note: THE NOSE LESIONS ARE ON ONE SIDE ONLY, AT THE LEVEL			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8030

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11528

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
Larynx	Liver	Lymph Node - Bronchial	Lymph Node - Mandibular
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

Eye	Retina	Vacuolization Cytoplasmic	Minimal
Kidney		Nephropathy	Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8031

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Kidney		Nephropathy	Chronic, Mild
Stomach	Forestomach	Squamous Cell Papilloma	

Note: PAPILOMA AT JCT FOUND ON STEP SECTIONS OF SLIDE 8.

Note: [PAPILOMA SQUA] TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8032

TRT#: 5

SEX: Male

DAY ON TEST: 599

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 9543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Islets, Pancreatic
Pancreas
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Larynx
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone
Heart
Lymph Node - Bronchial
Pituitary Gland
Testes

Bone Marrow
Intestine Large - Rectum
Lymph Node - Mandibular
Salivary Glands
Thymus

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Eye
Intestine Small - Duodenum
Seminal Vesicle

Gallbladder
Intestine Small - Ileum
Stomach - Glandular

Intestine Large - Cecum
Intestine Small - Jejunum
Urinary Bladder

Intestine Large - Colon
Prostate

OBSERVATIONS

Brain
Kidney
Liver
Note: [HEPATOCLR ADEN] TGLs = 3,4-4+10+11

Mineralization
Nephropathy
Hepatocellular Adenoma

Mild
Chronic, Mild

Lung
Nose
Respirat Epith
Note: THE NOSE LESIONS ARE IN SECTION #1 ON THE TIPS OF THE
Note: TURBINATES AND ADJACENT LATERAL WALL. THERE IS ALOT OF
Note: AUTOLYSIS WHICH MAKES IT DIFFCULT TO INTERPRET.

Leukocytosis
Metaplasia

Mild
Squamous, Minimal

Skin
Note: [ULCER] TGLs = 1-12

Ulcer

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8033

TRT#: 5

SEX: Male

DAY ON TEST: 381

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 8049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	

MISSING

Intestine Large - Cecum	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Lymphoma Malignant Undifferentiated Cell Type
Epididymis		Lymphoma Malignant Undifferentiated Cell Type
Gallbladder		Lymphoma Malignant Undifferentiated Cell Type
Kidney		Lymphoma Malignant Undifferentiated Cell Type
Note: [LYMPH MAL UNDF] TGLs = 6-5		
Liver		Lymphoma Malignant Undifferentiated Cell Type
Lung		Lymphoma Malignant Undifferentiated Cell Type
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type
	Renal	Lymphoma Malignant Undifferentiated Cell Type
Note: [LYMPH MAL UNDF] TGLs = 3-7		
Note: [LYMPH MAL UNDF] TGLs = 4-10		
Note: [LYMPH MAL UNDF] TGLs = 2-3		
Note: [LYMPH MAL UNDF] TGLs = 5-5		
Nose		Lymphoma Malignant Undifferentiated Cell Type
Pancreas		Lymphoma Malignant Undifferentiated Cell Type
Pituitary Gland		Lymphoma Malignant Undifferentiated Cell Type
Prostate		Lymphoma Malignant Undifferentiated Cell Type
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type
Seminal Vesicle		Lymphoma Malignant Undifferentiated Cell Type
Spleen		Lymphoma Malignant Undifferentiated Cell Type

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8033

TRT#: 5

SEX: Male

DAY ON TEST: 381

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 8049

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LYMPH MAL UNDF] TGLs = 1-4

Stomach	Glandular	Lymphoma Malignant Undifferentiated Cell Type
Testes		Lymphoma Malignant Undifferentiated Cell Type
Thymus		Lymphoma Malignant Undifferentiated Cell Type
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8034

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Nose		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Moderate
Note: NOSE LESIONS LIMITED TO THE DORSAL TIP OF THE MAXI- LLARY TURBINATE AND ADJACENT LATERAL WALL ON SEC. #1.			
Urinary Bladder		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8035

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Lymph Node - Bronchial	Lymph Node - Mandibular	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	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Nose		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8036

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Prostate
Spleen
Thymus

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Larynx
Nose
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Pancreas
Seminal Vesicle
Stomach - Glandular
Trachea

Bone Marrow
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Bronchial
Pituitary Gland
Skin
Testes
Urinary Bladder

MISSING

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Kidney
Lung

Nephropathy
Alveolar/Bronchiolar Carcinoma

Chronic, Mild

[Alveolar/Bronchiolar Carcinoma TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8037

TRT#: 5

SEX: Male

DAY ON TEST: 571

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 9438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Bronchial
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Intestine Large - Rectum	Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum			

OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
Kidney		Carcinoma	Metastatic (Liver)
		Nephropathy	Chronic, Mild
Note: [CARCINOMA] TGLs = 4-12			
Liver		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 2,6-10+11			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: [HEPATOCLR CARC] TGLs = 5-3			
Nose	Respirat Epith	Metaplasia	Squamous, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 1-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8038

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Spleen		Hemangiosarcoma	
		Thrombosis	Moderate

Note: [HEMANGIOSARC] TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8039

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Bronchial	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Mild
Note: NOSE LESIONS ARE AT THE TIPS OF THE TURBINATES, BOTH Note: NASAL AND MAXILLARY.			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8040

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Duodenum	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Kidney		Cyst	
		Nephropathy	Chronic, Moderate
Nose	Respirat Epith	Metaplasia	Squamous, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8041

TRT#: 5

SEX: Male

DAY ON TEST: 545

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 9379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Lymph Node - Mandibular
Prostate
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Islets, Pancreatic
Nose
Salivary Glands
Testes
Urinary Bladder

Bone
Intestine Large - Cecum
Larynx
Pancreas
Seminal Vesicle
Thymus

Bone Marrow
Intestine Large - Colon
Lymph Node - Bronchial
Parathyroid Gland
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Eye
Intestine Small - Jejunum

Gallbladder

Intestine Small - Duodenum

Intestine Small - Ileum

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland
Brain
Heart
Kidney
Liver

Capsule

Hyperplasia
Mineralization
Hemorrhage
Infiltration Cellular
Leukocytosis
Necrosis
Hemorrhage
Leukocytosis

Mild
Mild
Moderate
Polymorphnuclr, Diffuse, Marked
Marked
Moderate
Moderate
Marked

Lung

Note: LUNG - MARKED INFLAMMATORY REACTION SUBCUTIS.

Note: [HEMORRHAGE] TGLs = 4-3+10

Skin

Hemorrhage
Inflammation

Marked
Suppurative, Marked

Note: [INFLAMMATION] TGLs = 1-11

Spleen

Hematopoietic Cell Proliferation

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8041

TRT#: 5

SEX: Male

DAY ON TEST: 545

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 9379

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HEMA CELL PROL] TGLs = 2-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8042

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	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
---------------	-------------------

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Intestine Small	Duodenum	Developmental Malformation	
	Duodenum	Hyperplasia	Marked
	Duodenum	Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 2-10			
Note: [DEVELOP MALFOR] TGLs = 2-10			
Kidney		Nephropathy	Chronic, Mild
Nose		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8043

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 5874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Nose
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lung
Pancreas
Skin
Testes

Bone Marrow
Gallbladder
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Prostate
Spleen
Thyroid Gland

MISSING

Intestine Large - Cecum
Thymus

Mammary Gland

Parathyroid Gland

Pituitary Gland

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland
Preputial Gland

Capsule

Hyperplasia
Inflammation

Minimal
Suppurative, Marked

Note: [INFLAMMATION] TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8044

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Pituitary Gland
Skin
Testes

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Prostate
Spleen
Trachea

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Seminal Vesicle
Stomach - Glandular

MISSING

Mammary Gland

Parathyroid Gland

Thymus

OBSERVATIONS

Adrenal Gland
Kidney
Thyroid Gland

Capsule
Follicular Cel

Hyperplasia
Nephropathy
Adenoma

Mild
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8045

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Moderate
	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Infarct	Mild
Note: [INFARCT] TGLs = 1-11			
Note: [HEPATOCLR ADEN] TGLs = 2-10			
Lung	Alveolus	Hyperplasia	Marked
Nose		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8046

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lymph Node - Bronchial	Lymph Node - Mandibular	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	Capsule	Hyperplasia	Moderate
	Medulla	Vacuolization Cytoplasmic	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Marked
Note: [ALV BRON ADEN] TGLs = 1-3			
Nose		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8047

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-10			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-3]			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8048

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1-10			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 2-3]	Infiltration Cellular	Histiocyte, Marked
Nose		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
Note: ON SECTION #1, ALSO THE ADJACENT LATERAL WALL.			
Note: THE NOSE LESIONS ARE ON THE DORSAL MAXILLARY TURBINATES,			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8049

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	Mild
Note: [EOSIN FOCUS] TGLs = 3-12			
Mesentery		Sarcoma	Metastatic (Stomach)
Note: FAT SURROUNDING THE ADRENAL ON SLIDE #7.			
Note: THE LESION CATEGORIZED AS MESENTERIC IS ACTUALLY IN THE			
Nose		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
Skin		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-10			
Stomach	Forestomach	Sarcoma	
	Glandular	Sarcoma	Metastatic (Stomach)
Note: [SARCOMA] TGLs = 4-11			
Trachea		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: INDICATED THIS TUMOR IS PROBABLY OF MESODERMAL RATHER
Animal Note: WAS CHANGED FROM SQUAMOUS CELL CARCINOMA TO SARCOMA,NOS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8049

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11541

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: STOMACH - THIS IS A POORLY DIFFERENTIATED MIGNANT TUMOR

Animal Note: WITH SPINDLE CELL PATTERN; PRIMARY IS THE

Animal Note: FORESTOMACH AT THE JUNCTION WITH THE GLANDULAR STOMACH.

Animal Note: CYTOKERATIN STAINS PROVIDED BY NTP AFTER THE PWG

Animal Note: THAN ENDODERMAL OR ECTODERMAL ORIGIN; THUS THE DIAGNOSIS

Animal Note: IT HAS INVADED THE ADJACENT GLANDULAR STOMACH AND

Animal Note: METASTASIZED TO PERI-ADRENAL FAT. VIMENTIA AND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8050

TRT#: 5

SEX: Male

DAY ON TEST: 750

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-10			
Nose	Respirat Epith	Metaplasia	Squamous, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9301

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Prostate
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Nose
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lung
Pancreas
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Pituitary Gland
Skin
Thymus

MISSING

Mammary Gland

Parathyroid Gland

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland
Testes

Capsule

Hyperplasia
Mineralization

Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9302

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-10			
Intestine Small	Jejunum	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 2-11			
Kidney		Nephropathy	Chronic, Minimal
Lung	Alveolus	Hyperplasia	Minimal
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9303

TRT#: 1

SEX: Male

DAY ON TEST: 707

DOSE: CONTROL

DISP: Dead

HISTO: 11149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Islets, Pancreatic	Kidney	Larynx	Lymph Node - Bronchial
Lymph Node - Mandibular	Nose	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea		

MISSING

Mammary Gland	Parathyroid Gland	Seminal Vesicle	Thymus
Thyroid Gland			

AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Pituitary Gland	Prostate	Urinary Bladder	

OBSERVATIONS

Harderian Gland	Adenoma		
Note: [ADENOMA] TGLs = 6-14			
Liver	Hepatocellular Carcinoma		
	Infarct		Marked
	Leukocytosis		Moderate
Note: [INFARCT] TGLs = 4,5-10			
[Leukocytosis TGLS = 3-11]			
Lung	Leukocytosis		Moderate
Penis	Concretion		Marked
Note: [CONCRETION] TGLs = 1-12			

PRIMARY CAUSE OF DEATH -

Animal Note: ANIMAL.

Animal Note: THERE IS ALOT OF AUTOLYSIS IN THE TISSUES OF THIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9304

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL

DISP: Dead

HISTO: 11231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Epididymis

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Islets, Pancreatic

Kidney

Larynx

Lung

Lymph Node - Bronchial

Nose

Pancreas

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Esophagus

Gallbladder

Lymph Node - Mandibular

Mammary Gland

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Brain

Mineralization

Mild

Heart

Cardiomyopathy

Moderate

Liver

Hepatocellular Carcinoma

Multiple

Necrosis

Marked

Note: [HEPATOCLR CARC] TGLs = 2-10

Penis

Concretion

Marked

Inflammation

Suppurative, Marked

Note: [INFLAMMATION] TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TISSUES IN THIS ANIMAL ARE AUTOLYTIC.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9305

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Gallbladder		Infarct	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Infarct	Mild
[Infarct TGLS = 2-10]			
Testes		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9306

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lung	Lymph Node - Bronchial
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	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9307

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular	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

Brain		Mineralization	Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 3,4-4+10+11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-3		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric	Angiectasis	Marked
Note: [ANGIECTASIS] TGLs = 5-12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9308

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Ileum
Liver
Nose
Prostate
Spleen
Thymus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone
Eye
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Bronchial
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

Bone Marrow
Gallbladder
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Pituitary Gland
Skin
Testes
Urinary Bladder

MISSING

Intestine Large - Rectum

Mammary Gland

OBSERVATIONS

Adrenal Gland
Brain
Kidney

Capsule

Hyperplasia
Mineralization
Nephropathy

Mild
Mild
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9309

TRT#: 1

SEX: Male

DAY ON TEST: 440

DOSE: CONTROL

DISP: Moribund

HISTO: 8517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lung	Nose	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

MISSING

Intestine Large - Cecum	Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland
Parathyroid Gland	Stomach - Forestomach		

AUTO PRECLUDES DIAG.

Gallbladder

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Kidney	Pelvis	Inflammation	Suppurative, Marked
		Nephropathy	Chronic, Mild
Penis		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 2-10			
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Inflammation	Suppurative, Moderate
Urinary Bladder		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: AUTOLYSIS IN THE TISSUES OF THIS ANIMAL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9310

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	Lymph Node - Mandibular	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	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Hemangioma	
Note: [HEMANGIOMA] TGLs = 2-10			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 5-3			
Skeletal Muscle		Hemorrhage	Marked
Note: [HEMORRHAGE] TGLs = 3-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9311

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Eye

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Lung

Lymph Node - Bronchial

Lymph Node - Mandibular

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

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Minimal

Kidney

Nephropathy

Chronic, Mild

Liver

Hepatocellular Carcinoma

[Hepatocellular Carcinoma TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9312

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	

MISSING

Mammary Gland	Pituitary Gland	Thymus
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INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Gallbladder		Necrosis	Marked
Heart		Hepatocellular Carcinoma	Metastatic (Liver)
Intestine Large	Rectum	Hemorrhage	Mild
Note: [HEMORRHAGE] TGLs = 3-14			
Kidney	Pelvis	Inflammation	Suppurative, Moderate
Liver		Hepatocellular Carcinoma	Multiple
		Histiocytic Sarcoma	
		Inflammation	Granulomatous, Marked
Note: [HEPATOCLR CARC] TGLs = 5,6,9-4+11+12			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: [HEPATOCLR CARC] TGLs = 8-3			
Lymph Node	Inguinal	Hematopoietic Cell Proliferation	Marked
Note: [HEMA CELL PROL] TGLs = 7-13			
Nose	Respirat Epith	Metaplasia	Squamous, Minimal
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Inflammation	Suppurative, Mild
Skin		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9312

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11156

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [INFLAMMATION] TGLs = 1-10

Thyroid Gland
Urinary Bladder

Follicular Cel

Hyperplasia
Hyperplasia
Inflammation
Metaplasia
Ulcer

Mild
Marked
Suppurative, Marked
Squamous, Moderate
Marked

Note: NO CARCINOMA FOUND."

Note: "STEP SECTIONS OF BLADDER AND INGUINAL LYMPH NODE;

Note: [INFLAMMATION] TGLs = 4-8

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9313

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Brain	Mineralization	Mild
Kidney	Nephropathy	Chronic, Minimal
Liver		

Note: "RCHECKED WET TISSUE AND BLOCK #10: FOUND GROSSLY

Note: WHICH HAS NORMAL HISTOLOGY."

Note: VISIBLE NODULAR RAISED AREA IN LIVER (SLIDE #11)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9314

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Bronchial	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

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1-10+11			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Hepatocellular Carcinoma	Metastatic (Liver)
Note: [ALV BRON CARC] TGLs = 2,3-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9315

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lymph Node - Bronchial	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

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Lung	Alveolus	Alveolar/Bronchiolar Carcinoma Infiltration Cellular Inflammation	Histiocyte, Marked Granulomatous, Marked
	[Alveolar/Bronchiolar Carcinoma TGLS = 1-3] [Infiltration Cellular TGLS = 2-3]		
Nose	Respirat Epith	Hyperplasia Inflammation	Minimal Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9316

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular
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

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney	Pelvis	Inflammation	Suppurative, Mild
		Nephropathy	Chronic, Mild
Liver		Hematopoietic Cell Proliferation	Moderate
		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 2,3-10+11			
Lung	Alveolus	Hyperplasia	Mild
	Alveolus	Inflammation	Suppurative, Minimal
Note: [HYPERPLASIA] TGLs = 4-3			
Urinary Bladder		Hyperplasia	Mild
		Inflammation	Suppurative, Marked
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9317

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Larynx
Pancreas
Skin
Thymus

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Bronchial
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Prostate
Stomach - Forestomach
Trachea

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland
Kidney
Liver

Capsule

Hyperplasia
Nephropathy
Clear Cell Focus
Hepatocellular Adenoma

Moderate
Chronic, Mild
Mild

[Hepatocellular Adenoma TGLS = 2-10]

Lung

[Alveolar/Bronchiolar Carcinoma TGLS = 4-3]

Alveolar/Bronchiolar Carcinoma

Seminal Vesicle

Dilatation

Marked

Note: [DILATATION] TGLs = 1-11

Stomach

Note: "FIVE STEP SECTIONS OF STOMACH; NO LESIONS FOUND."

Testes

Atrophy
Mineralization

Mild
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9318

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

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

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Spleen
Thymus

Bone Marrow
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland
Kidney

Capsule

Hyperplasia
Nephropathy

Minimal
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9319

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Epididymis

Esophagus

Eye

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Liver

Lung

Lymph Node - Bronchial

Lymph Node - Mandibular

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

OBSERVATIONS

Brain

Mineralization

Mild

Kidney

Nephropathy

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9320

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lung	Lymph Node - Bronchial
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

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9321

TRT#: 1

SEX: Male

DAY ON TEST: 609

DOSE: CONTROL

DISP: Moribund

HISTO: 9633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Adenoma	
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-10+11]			
Nose		Inflammation	Suppurative, Minimal
Preputial Gland		Inflammation	Chronic, Mild
Note: [INFLAMMATION] TGLs = 1-12			
Skin		Acanthosis	Marked
		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-12			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalonitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9322

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 3-11			
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Marked
[Clear Cell Focus TGLS = 2-10]			
Stomach	Forestomach	Acanthosis	Marked
Note: ACANTHOSIS FOUND ON STEP SECTIONS. ADDITIONAL			
Note: THE LESION DESCRIBED GROSSLY IN THE GLANDULAR STOMACH			
Note: IS APPARENTLY PROLIFERATION OF THE EPITHELIUM AT THE			
Note: JUNCTION OF THE GLANDULAR AND FORESTOMACH.			
Note: [ACANTHOSIS] TGLs = 4-8			
Note: WET TISSUE ALSO CUT IN (SLIDE 12); NO ADDITIONAL			
Note: LESION FOUND.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9323

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL

DISP: Dead

HISTO: 11232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	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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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Small - Duodenum	Intestine Small - Ileum
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Heart		Carcinoma	Metastatic (Lung)
Note: [CARCINOMA] TGLs = 7,8-4+13			
Kidney		Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Mild
Note: [CARCINOMA] TGLs = 1-14			
Liver		Carcinoma	Metastatic (Lung)
		Hepatocellular Carcinoma	
Note: [CARCINOMA] TGLs = 9-11			
Note: [HEPATOCLR CARC] TGLs = 2-12			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
[Alveolar/Bronchiolar Carcinoma TGLS = 3,5,6-3+10]			
Lymph Node	Bronchial	Carcinoma	Metastatic (Lung)
Nose		Foreign Body	Mild
		Inflammation	Suppurative, Mild
Skeletal Muscle	Diaphragm	Carcinoma	Metastatic (Lung)
Thymus		Carcinoma	Metastatic (Lung)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9323

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL

DISP: Dead

HISTO: 11232

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: LIEVE THESE REPRESENT THE ANAPLASTIC TRANSITION
Animal Note: DIAPHRAGM, ANS KIDNEY ARE HIGHLY ANAPLASTIC. I BE-
Animal Note: OTHER LOBES OF THE LUNGS AND IN THE TBLN`S, THYMUS
Animal Note: LOBE AS WELL AS THE REMAINING TUMOR TISSUE IN THE
Animal Note: CARCINAOMA CELLS.THE OTHER TUMOR IN THE RIGHT APICAL
Animal Note: ITION FROM WELL DIFFERENTIATED TO HIGHLY ANAPLASTIC
Animal Note: CLEARLY ALVEOLAR-BRONCHOLAR IN ORGIN. OF A TRANS-
Animal Note: THE MOST ANTERIOR TUMOR IN THE RIGHT APICAL LOBE IS
Animal Note: THIS ANIMAL HAS MULTIPLE LUNG TUMORS.
Animal Note: FROM THE PRIMARY LUNG TUMOR IN THE CARDIAC LOBE.
Animal Note: THIS ANIMAL ALSO HAS A LARGE SOMEWHAT ANAPLASTIC
Animal Note: HEPATOCELLULAR CARCINOMA.
Animal Note: ANOTHER POSSIBILITY IS MULTIPLE PRIMARY LUNG TUMORS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9324

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild

Note: [HEMA CELL PROL] TGLs = 1-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9325

TRT#: 1

SEX: Male

DAY ON TEST: 720

DOSE: CONTROL

DISP: Moribund

HISTO: 11233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular
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	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Moderate
Note: [NEPHROPATHY] TGLs = 3-5			
Liver		Hepatocellular Carcinoma	
		Necrosis	Marked
Note: [HEPATOCLR CARC] TGLs = 4,6-10+11			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Stomach	Glandular	Erosion	Mild
Note: [EROSION] TGLs = 7-8			

PRIMARY CAUSE OF DEATH

-

Animal Note: OF THE MESENTERY FAT IS ON SLIDE #11 AND IT IS A

Animal Note: LARGE CARCINOMA OF THE LIVER NOT FAT.

Animal Note: GROSS LESION #6 WHICH IS DESCRIBED AS A MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9326

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Bronchial	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

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Moderate
	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Mild
Brain		Mineralization	Minimal
Eye	Retina	Vacuolization Cytoplasmic	Minimal
Kidney		Nephropathy	Chronic, Mild
Lung		Alveolar/Bronchiolar Carcinoma	

Note: [ALV BRON CARC] TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9327

TRT#: 1

SEX: Male

DAY ON TEST: 43

DOSE: CONTROL

DISP: Dead

HISTO: 5138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Tissue NOS	Heart	Nose	Skin
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MISSING

Eye	Lymph Node - Bronchial	Parathyroid Gland	Thymus
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AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	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	Kidney	Larynx
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9328

TRT#: 1

SEX: Male

DAY ON TEST: 483

DOSE: CONTROL

DISP: Dead

HISTO: 8701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Intestine Small - Duodenum	Mammary Gland	Parathyroid Gland
Thymus			

AUTO PRECLUDES DIAG.

Eye	Intestine Large - Colon	Intestine Small - Jejunum
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INSUFFICIENT TISSUE

Stomach - Forestomach

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-10]			
Pancreas	Acinar Cell	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9329

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Bronchial	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-10			
Kidney		Nephropathy	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9330

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Parathyroid Gland
Seminal Vesicle
Testes
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Pituitary Gland
Skin
Thymus

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Stomach - Glandular
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland
Kidney
Spleen

Capsule

Hyperplasia
Nephropathy
Atrophy
Fibrosis

Mild
Chronic, Mild
Mild
Moderate

Note: [FIBROSIS] TGLs = 2-10

Note: [ATROPHY] TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9331

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Lymph Node - Bronchial	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	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Brain		Mineralization	Minimal
Kidney		Nephropathy	Chronic, Mild
Urinary Bladder		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9332

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Moribund

DAY ON TEST: 693

HISTO: 11171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Eye
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Pituitary Gland	Thyroid Gland	Trachea

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex Capsule Cortex Medulla	Cytomegaly Hyperplasia Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type Nephropathy Lymphoma Malignant Undifferentiated Cell Type	Mild Minimal
Bone Marrow			
Epididymis			
Heart			
Kidney			
Liver			Chronic, Mild
Note: [LYMPH MAL UNDF] TGLs = 4,6-4+10			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 5-3			
Lymph Node	Bronchial Mandibular	Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type	
Nose			
Pancreas			
Penis		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-11			
Preputial Gland		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 2-11			
Prostate		Lymphoma Malignant Undifferentiated Cell Type	
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9332

TRT#: 1

SEX: Male

DAY ON TEST: 693

DOSE: CONTROL

DISP: Moribund

HISTO: 11171

ORGAN AND ACCOUNTABLE SITE STATUS

Seminal Vesicle		Lymphoma Malignant Undifferentiated Cell Type	
Skin		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 2-11			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3-4			
Stomach	Forestomach	Lymphoma Malignant Undifferentiated Cell Type	
	Glandular	Lymphoma Malignant Undifferentiated Cell Type	
Testes		Lymphoma Malignant Undifferentiated Cell Type	
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9333

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	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

Epididymis	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Minimal
	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 3-11			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9334

TRT#: 1

SEX: Male

DAY ON TEST: 685

DOSE: CONTROL

DISP: Dead

HISTO: 11173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Testes	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Kidney		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-11			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-10]			
Preputial Gland		Cyst	
Note: [CYST] TGLs = 1-12			
Stomach	Glandular	Erosion	Moderate
Note: [EROSION] TGLs = 5-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9335

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Seminal Vesicle
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Testes		Atrophy	Marked
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9336

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lymph Node - Bronchial	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

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Lung	Alveolus	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9337

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Dead

DAY ON TEST: 196
HISTO: 6254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	Nose	Pancreas	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea		

MISSING

Intestine Large - Cecum	Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
Thymus			

AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Kidney	Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 2,3-5		
Liver	Hematopoietic Cell Proliferation	Mild
Lung	Leukocytosis	Moderate
Penis	Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-10		
Prostate	Inflammation	Suppurative, Mild
Seminal Vesicle	Inflammation	Suppurative, Moderate
Skin	Ulcer	Mild
Note: [ULCER] TGLs = 4-11		
Spleen	Hematopoietic Cell Proliferation	Moderate
Urinary Bladder	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9338

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Seminal Vesicle
Stomach - Glandular

Adrenal Gland - Medulla
Eye
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Pituitary Gland
Skin
Thymus

Bone
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Prostate
Spleen
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Salivary Glands
Stomach - Forestomach
Urinary Bladder

MISSING

Epididymis Mammary Gland

Parathyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Adrenal Gland
Bone Marrow
Kidney
Testes
Thyroid Gland

Capsule

Follicular Cel

Hyperplasia
Myelofibrosis
Nephropathy
Atrophy
Hyperplasia

Mild
Mild
Chronic, Mild
Moderate
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9339

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Epididymis	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Intestine Small	Ileum	Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-4+10			
Lung	Alveolus	Hyperplasia	Moderate
Testes		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9340

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	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

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 1-3			
Lymph Node	Bronchial	Carcinoma	Metastatic (Lung)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9341

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4-4+10+11			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 1-4			
Testes	Interstit Cell	Adenoma	
		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9342

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Eye	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 - Bronchial	Lymph Node - Mandibular
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	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Suppurative, Moderate

Note: THE LARYNX LESION IS IN THE SUBMUCOSAL GLANDS.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9343

TRT#: 1

SEX: Male

DAY ON TEST: 665

DOSE: CONTROL

DISP: Moribund

HISTO: 10176

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
Larynx	Liver	Lymph Node - Bronchial	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Eye	Retina	Vacuolization Cytoplasmic	Minimal
Kidney		Nephropathy	Chronic, Minimal
Lung	Alveolus	Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Mild
	[Alveolar/Bronchiolar Adenoma TGLS = 2-3]		
Spleen		Atrophy	Moderate
	[Atrophy TGLS = 1-4]		
Stomach	Forestomach	Acanthosis	Minimal
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9344

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 2-11			
Kidney		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1-10			
Stomach	Glandular	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9345

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Pituitary Gland
Skin
Testes

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Prostate
Spleen
Thyroid Gland

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

MISSING

Mammary Gland

Parathyroid Gland

Thymus

OBSERVATIONS

Adrenal Gland
Kidney

Capsule

Hyperplasia
Nephropathy

Minimal
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9346

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Epididymis

Esophagus

Eye

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Lung

Lymph Node - Bronchial

Lymph Node - Mandibular

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

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Mild

Brain

Mineralization

Minimal

Kidney

Nephropathy

Chronic, Mild

Liver

Hepatocellular Adenoma

Note: [HEPATOCLR ADEN] TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9347

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Kidney		Nephropathy	Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 1-3]		
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9348

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Mild
Eye	Retina	Vacuolization Cytoplasmic	Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 3-4			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 2-3			
Testes		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9349

TRT#: 1

SEX: Male

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	Lymph Node - Mandibular	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	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Eye	Cornea	Inflammation	Suppurative, Mild
Note: [INFLAMMATION] TGLs = 1-12			
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 2-11			
Kidney		Nephropathy	Chronic, Mild
Liver		Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 3-10			
Lung	Alveolus	Hyperplasia	Mild
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9350

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Nose	Pituitary Gland	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Trachea	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Epididymis		Inflammation	Suppurative, Moderate
		Lymphoma Malignant Mixed	
Gallbladder		Lymphoma Malignant Mixed	
Kidney	Pelvis	Inflammation	Suppurative, Moderate
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR CARC] TGLs = 4-10			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Inguinal	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 5-12]			
Pancreas		Lymphoma Malignant Mixed	
Preputial Gland		Cyst	
Prostate		Inflammation	Suppurative, Moderate
Skin		Inflammation	Suppurative, Marked
		Ulcer	Moderate
Note: [INFLAMMATION] TGLs = 1-11			
Note: [ULCER] TGLs = 1-11			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9350	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 749 HISTO: 11187
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: [LYMPH MAL MIXD] TGLs = 3-4		Lymphoma Malignant Mixed	
Testes		Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel Follicular Cel	Adenoma Hyperplasia	Mild
Urinary Bladder		Inflammation Lymphoma Malignant Mixed	Suppurative, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7051	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Stomach - Glandular	Thyroid Gland
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OBSERVATIONS

Intestine Large [Leiomyosarcoma TGLS = 1-10]	Cecum	Leiomyosarcoma
Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma
Stomach Note: FORESTOMACH: 5 STEP SECTIONS, NO CHANGE IN DX. Note: [PAPILLOMA SQUA] TGLs = 3-8	Forestomach	Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalonitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7052

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.75 MG/M3

DISP: Dead

HISTO: 11724

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	Larynx	Lymph Node - Bronchial
Mammary Gland	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Lymphoma Malignant Histiocytic	
		Nephropathy	Chronic, Mild
Liver		Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST] TGLs = 3,4-4			
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Mandibular	Lymphoma Malignant Histiocytic	
Nose	Respirat Epith	Metaplasia	Squamous, Mild
Ovary		Hemangioma	
Note: [HEMANGIOMA] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Histiocytic	
Stomach	Glandular	Erosion	Mild
Uterus		Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST] TGLs = 2-8+10			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7053	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular	Thyroid Gland
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MISSING

Pituitary Gland

OBSERVATIONS

Nose		Inflammation	Suppurative, Minimal
Stomach	Forestomach	Acanthosis	Marked
Note: [ACANTHOSIS] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7054

TRT#: 4

SEX: Female

DAY ON TEST: 700

DOSE: 0.75 MG/M3

DISP: Dead

HISTO: 11726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Mammary Gland	Nose	Pancreas
Pituitary Gland	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Uterus		

MISSING

Parathyroid Gland	Urinary Bladder
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 5-5			
Liver		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3,4-4+10			
Lung		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 6-3			
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 7-3			
Note: [LYMPH MAL MIXD] TGLs = 8-5			
Note: [LYMPH MAL MIXD] TGLs = 9-11			
Ovary		Lymphoma Malignant Mixed	
Salivary Glands		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-4			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7054

TRT#: 4

SEX: Female

DAY ON TEST: 700

DOSE: 0.75 MG/M3

DISP: Dead

HISTO: 11726

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Forestomach

Squamous Cell Papilloma

Note: [PAPILLOMA SQUA] TGLs = 10-8

Thymus

Lymphoma Malignant Mixed

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7055	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular			

OBSERVATIONS

Ovary		Cyst	Multiple
Note: [CYST] TGLs = 2,3-7			
Thyroid Gland		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7056

TRT#: 4
DOSE: 0.75 MG/M3

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 751
HISTO: 11728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7057

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

OBSERVATIONS

Nose

Inflammation

Suppurative, Minimal

Respirat Epith

Metaplasia

Squamous, Minimal

Spleen

Hematopoietic Cell Proliferation

Marked

Note: [HEMA CELL PROL] TGLs = 1-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7058

TRT#: 4

DOSE: 0.75 MG/M3

SEX: Female

DISP: Dead

DAY ON TEST: 639

HISTO: 11730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Thyroid Gland	Trachea		

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum Stomach - Glandular

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Gallbladder		Lymphoma Malignant Mixed	
Intestine Large	Cecum	Lymphoma Malignant Mixed	
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 5-10			
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Iliac	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3-5			
Note: [LYMPH MAL MIXD] TGLs = 1-12			
Note: [LYMPH MAL MIXD] TGLs = 4-11			
Note: [LYMPH MAL MIXD] TGLs = 2-3			
Ovary		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 6-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7058

TRT#: 4
DOSE: 0.75 MG/M3

SEX: Female
DISP: Dead

DAY ON TEST: 639
HISTO: 11730

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus	Lymphoma Malignant Mixed
Urinary Bladder	Lymphoma Malignant Mixed
Uterus	Lymphoma Malignant Mixed

Note: [LYMPH MAL MIXD] TGLs = 7-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7059	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
OBSERVATIONS			
Bone	Cranium	Osteosarcoma	
Nose		Exudate	Serous, Mild
		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7060

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Heart	Larynx	Mammary Gland	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Lymphoma Malignant Histiocytic	
		Mineralization	Mild
Kidney		Lymphoma Malignant Histiocytic	
		Nephropathy	Chronic, Mild
Note: [LYMPH MAL HIST] TGLs = 4,10-5			
Liver		Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST] TGLs = 8-4+10			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 7-3			
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Pancreatic	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3-12			
Note: [LYMPH MAL UNDF] TGLs = 5-11			
Note: [LYMPH MAL UNDF] TGLs = 6-2			
Note: [LYMPH MAL UNDF] TGLs = 9-5			
Note: [LYMPH MAL UNDF] TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7060

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11732

ORGAN AND ACCOUNTABLE SITE STATUS

Nose		Inflammation	Suppurative, Moderate
		Lymphoma Malignant Undifferentiated Cell Type	
	Respirat Epith	Metaplasia	Squamous, Mild
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF]	TGLs = 2-4		
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Uterus		Lymphoma Malignant Undifferentiated Cell Type	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7061	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Glandular	Thyroid Gland
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OBSERVATIONS

Ovary		Cyst	
Note: [CYST] TGLs = 1-7			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-4			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: FORESTOMACH:5 STEP SECTIONS, NO CHANGE IN DX.			
Note: [PAPILLOMA SQUA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7062	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland		

OBSERVATIONS

Nose			
Note: BLEACH ARTIFACT PRESENT.			
Ovary		Cyst	
Note: [CYST] TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7063

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose

Pituitary Gland

Skin

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

OBSERVATIONS

Nose

Note: BLEACH ARTIFACT PRESENT.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7064

TRT#: 4
DOSE: 0.75 MG/M3

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 751
HISTO: 11736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland			

OBSERVATIONS

Ovary	Cyst
Note: [CYST] TGLs = 1-7	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7065	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
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OBSERVATIONS

Nose Note: BLEACH ARTIFACT PRESENT.	Nasolacrim Dct	Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Tooth		Developmental Malformation	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7066	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-10			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Multiple, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7067

TRT#: 4

SEX: Female

DAY ON TEST: 709

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 11739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	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	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Stomach - Forestomach	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Lymphoma Malignant Mixed	
	Medulla	Lymphoma Malignant Mixed	
Brain		Mineralization	Mild
Heart		Lymphoma Malignant Mixed	
Kidney		Nephropathy	Chronic, Mild
Larynx		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
		Necrosis	Moderate
Note: [LYMPH MAL MIXD]			
TGLs = 6-4			
Note: [NECROSIS]			
TGLs = 6-10			
Lung	Alveolus	Hyperplasia	Mild
		Lymphoma Malignant Mixed	
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD]			
TGLs = 4-3			
Note: [LYMPH MAL MIXD]			
TGLs = 3-5			
[Lymphoma Malignant Mixed TGLs = 5-12]			
Ovary		Lymphoma Malignant Mixed	
Salivary Glands		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7067	TRT#: 4	SEX: Female	DAY ON TEST: 709
	DOSE: 0.75 MG/M3	DISP: Moribund	HISTO: 11739

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LYMPH MAL MIXD] TGLs = 2-4			
Stomach	Glandular	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 7-11			
Thymus		Lymphoma Malignant Mixed	
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus		Dilatation	Moderate
		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7068

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

OBSERVATIONS

Nose

Respirat Epith

Hyperplasia

Minimal

Inflammation

Suppurative, Mild

Respirat Epith

Metaplasia

Squamous, Mild

Pituitary Gland

Pars Distalis

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7069	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Glandular	Thyroid Gland
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OBSERVATIONS

Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 3-11			
Pancreas		Developmental Malformation	
Note: [DEVELOP MALFOR] TGLs = 1-10			
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Ulcer	Marked
Note: ULCERATED CENTER; DIFFERENTIAL DX PAPILLOMA.			
Note: FORESTOMACH, ANCANTHOSIS: 5 STEP SECTIONS, STILL SAME DX.			
Note: [ULCER] TGLs = 2-8			
[Acanthosis TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

Animal Note: EPITHELIAL LINED, ADJACENT TO PANCREAS, AND APPEARS TO

Animal Note: BE DEVELOPMENTAL MALFORMATION.

Animal Note: THE CYST DESCRIBED IN THE MESENTERY AT NECROPSY IS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7070

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose

Pituitary Gland

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7071	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Stomach - Glandular	Thyroid Gland
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OBSERVATIONS

Nose			
Note: BLEACH ARTIFACT IS PRESENT.			
Ovary		Cyst	
Note: [CYST] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-4]			
Stomach	Forestomach	Acanthosis	Mild
Note: [ACANTHOSIS] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7072	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland			

OBSERVATIONS

Spleen		Hematopoietic Cell Proliferation	Marked
Note: [HEMA CELL PROL]	TGLs = 1-4		

PRIMARY CAUSE OF DEATH -

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7073

TRT#: 4

SEX: Female

DAY ON TEST: 658

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 11745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Skin
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Pancreas
Stomach - Forestomach
Trachea

Bone
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Salivary Glands
Thymus

MISSING

Lymph Node - Mandibular

Parathyroid Gland

Spleen

OBSERVATIONS

Adrenal Gland
Bone Marrow
Kidney
Nose

Capsule

Hyperplasia
Myelofibrosis
Nephropathy

Mild
Mild
Chronic, Minimal

Note: BLEACH ARTIFACT IN FIRST SECTION OF NOSE.

Uterus

Dilatation
Hemangioma
Thrombosis

Marked

Note: [DILATATION] TGLs = 1-8

Note: [HEMANGIOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7074	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Stomach - Glandular	Thyroid Gland
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INSUFFICIENT TISSUE

Stomach - Forestomach

OBSERVATIONS

Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Stomach			

Note: FORESTOMACH:5 STEP SECTIONS, STILL INSUFFICIENT TISSUE TO DX

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7075	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
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OBSERVATIONS

Nose Note: BLEACH ARTIFACT PRESENT.	Inflammation	Suppurative, Minimal
Ovary Note: [CYST] TGLs = 1-10	Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7076	TRT#: 4 DOSE: 0.75 MG/M3	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 751 HISTO: 11748
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
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OBSERVATIONS

Mesentery		Inflammation Necrosis	Chronic, Marked Marked
Note: [INFLAMMATION] TGLs = 2-10 Note: [NECROSIS] TGLs = 2-10			
Nose	Respirat Epith	Hyperplasia	Minimal
Ovary		Cyst	
Note: [CYST] TGLs = 1-11			
Pancreas		Inflammation	Chronic, Marked
Note: [INFLAMMATION] TGLs = 2-10			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7077

TRT#: 4

SEX: Female

DAY ON TEST: 267

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 6670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Mammary Gland
Parathyroid Gland
Spinal Cord
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Pancreas
Skin
Stomach - Glandular
Urinary Bladder

MISSING

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland
Nose

Capsule

Hyperplasia

Mild

Note: THE NASAL EPITHELIUM ON THIS ANIMAL AFTER 38

Note: WEEKS ON EXPOSURE IS CLEAN AS A WHISTLE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7078

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose

Pituitary Gland

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

OBSERVATIONS

Nose

Note: BLEACH ARTIFACT IS PRESENT.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7079

TRT#: 4

SEX: Female

DAY ON TEST: 709

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 11750

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	Larynx	Mammary Gland	Nose
Pancreas	Pituitary Gland	Skin	Thyroid Gland
Trachea			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Lymphoma Malignant Mixed	
		Nephropathy	Chronic, Minimal
Liver		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 4-4+10			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-7			
Note: [LYMPH MAL MIXD] TGLs = 7-11			
Note: [LYMPH MAL MIXD] TGLs = 5-2			
Ovary		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-7			
Salivary Glands		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3-4			
Stomach	Forestomach	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7079	TRT#: 4	SEX: Female	DAY ON TEST: 709
	DOSE: 0.75 MG/M3	DISP: Moribund	HISTO: 11750

ORGAN AND ACCOUNTABLE SITE STATUS

Glandular	Erosion	Moderate
Glandular	Lymphoma Malignant Mixed	
Thymus	Lymphoma Malignant Mixed	
Urinary Bladder	Lymphoma Malignant Mixed	
Uterus	Hyperplasia	Mild
	Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7080

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland		

OBSERVATIONS

Nose			
Note: BLEACH ARTIFACT IS PRESENT.			
Ovary		Cyst	
Note: [CYST] TGLs = 4-7			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 2-4			
Uterus		Sarcoma Stromal	
Note: [SARC STROMAL] TGLs = 3-11			

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7081

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose

Pituitary Gland

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7082 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 751
DOSE: 0.75 MG/M3 **DISP:** Terminal Sacrifice **HISTO:** 11753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach Stomach - Glandular

OBSERVATIONS

Kidney		Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST]	TGLs = 5-13		
Liver		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Histiocytic	
Note: [HEPATOCLR CARC]	TGLs = 3,4-11+12		
Note: [LYMPH MAL HIST]	TGLs = 3,4-4+11+12		
Lymph Node	Bronchial	Lymphoma Malignant Histiocytic	
	Inguinal	Lymphoma Malignant Histiocytic	
	Mandibular	Lymphoma Malignant Histiocytic	
	Mediastinal	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST]	TGLs = 7-14		
Note: [LYMPH MAL HIST]	TGLs = 6-2		
	[Lymphoma Malignant Histiocytic TGLS = 8-15]		
	[Lymphoma Malignant Histiocytic TGLS = 9-7]		
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA]	TGLs = 11-8		
Spleen		Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST]	TGLs = 1,2-4+10		
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: [POLYP STROMAL]	TGLs = 10-8		

PRIMARY CAUSE OF DEATH -

Animal Note: TOL BLUE(-) FOR METACHRONASIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7083	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Ovary		Cyst	
Note: [CYST] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7084

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland			

OBSERVATIONS

Lung	Alveolar/Bronchiolar Adenoma
Note: [ALV BRON ADEN] TGLs = 1-10	
Mammary Gland	Adenocarcinoma
Note: [ADENOCARC] TGLs = 2-11	
Nose	
Note: BLEACH ARTIFACT IS PRESENT.	

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7085	TRT#: 4 DOSE: 0.75 MG/M3	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 751 HISTO: 11756
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland			

OBSERVATIONS

Lung	Alveolus	Alveolar/Bronchiolar Adenoma Infiltration Cellular	Histiocyte, Moderate
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Note: [ALV BRON ADEN] TGLs = 1-3
Note: [INFILTRAT CELL] TGLs = 1-3

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7086	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
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OBSERVATIONS

Harderian Gland Note: [ADENOMA] TGLs = 4-12		Adenoma	
Liver Note: [HEPATOCLR ADEN] TGLs = 2-10		Hepatocellular Adenoma	
Lymph Node Note: [HYPERPLASIA] TGLs = 3-11		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Uterus Note: [HYPERPLASIA] TGLs = 1-8	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7087	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Stomach - Glandular	Thyroid Gland
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OBSERVATIONS

Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Stomach	Forestomach	Squamous Cell Papilloma	

Note: [PAPILLOMA SQUA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7088	TRT#: 4 DOSE: 0.75 MG/M3	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 751 HISTO: 11759
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland			

OBSERVATIONS

Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Nose			
Note: BLEACH ARTIFACT IS PRESENT.			
Uterus	Endometrium	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7089	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
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OBSERVATIONS

Harderian Gland Note: [ADENOMA] TGLs = 3-11		Adenoma	
Nose Note: BLEACH ARTIFACT IS PRESENT.		Hemorrhage	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen Note: [HEMA CELL PROL] TGLs = 2-4		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7090

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland			

OBSERVATIONS

Kidney		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD]	TGLs = 2-5		
Ovary		Cyst	
Note: [CYST]	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7091

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose

Pituitary Gland

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7092	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach	Stomach - Glandular
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MISSING

Pituitary Gland

OBSERVATIONS

Nose	Respirat Epith	Hyperplasia Inflammation	Minimal Suppurative, Minimal
	Respirat Epith	Metaplasia Hematopoietic Cell Proliferation	Squamous, Minimal Marked
Spleen Note: [HEMA CELL PROL] TGLs = 1-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7093

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

OBSERVATIONS

Liver Lymphoma Malignant Mixed

[Lymphoma Malignant Mixed TGLS = 5-11]

Lung Lymphoma Malignant Mixed

Lymph Node Inguinal Lymphoma Malignant Mixed

Mandibular Lymphoma Malignant Mixed

Mediastinal Lymphoma Malignant Mixed

Pancreatic Lymphoma Malignant Mixed

Renal Lymphoma Malignant Mixed

[Lymphoma Malignant Mixed TGLS = 8-13]

[Lymphoma Malignant Mixed TGLS = 7-12]

[Lymphoma Malignant Mixed TGLS = 2-7]

[Lymphoma Malignant Mixed TGLS = 3-14]

[Lymphoma Malignant Mixed TGLS = 6-10]

Nose Inflammation Suppurative, Minimal

Pituitary Gland Cyst

Note: [CYST] TGLs = 9-8

Spleen Lymphoma Malignant Mixed

[Lymphoma Malignant Mixed TGLS = 4-4]

Uterus Hemorrhage Marked

Endometrium Hyperplasia Marked

Lymphoma Malignant Mixed

Note: UTERUS - DECIDUAL REACTION

[Lymphoma Malignant Mixed TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7094

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose
Stomach - Glandular

Pituitary Gland
Thyroid Gland

Skin

Stomach - Forestomach

OBSERVATIONS

Lung

Mediastinum

Hemangioma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7095

TRT#: 4

SEX: Female

DAY ON TEST: 700

DOSE: 0.75 MG/M3

DISP: Dead

HISTO: 11766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex

Gallbladder

Intestine Large - Rectum

Islets, Pancreatic

Lung

Ovary

Salivary Glands

Stomach - Glandular

Urinary Bladder

Adrenal Gland - Medulla

Heart

Intestine Small - Duodenum

Kidney

Lymph Node - Bronchial

Pancreas

Skin

Thymus

Uterus

Bone Marrow

Intestine Large - Cecum

Intestine Small - Ileum

Larynx

Mammary Gland

Parathyroid Gland

Spleen

Thyroid Gland

Esophagus

Intestine Large - Colon

Intestine Small - Jejunum

Liver

Nose

Pituitary Gland

Stomach - Forestomach

Trachea

OBSERVATIONS

Brain

Mineralization

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7096

TRT#: 4

SEX: Female

DAY ON TEST: 52

DOSE: 0.75 MG/M3

DISP: Moribund

HISTO: 5208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Salivary Glands
Thymus
Uterus

Bone
Heart
Intestine Small - Ileum
Liver
Nose
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Stomach - Forestomach
Trachea

MISSING

Gallbladder

Intestine Large - Cecum

Mammary Gland

Pituitary Gland

OBSERVATIONS

Kidney
Lymph Node
Note: [TERATOMA NOS] TGLs = 3-7
Ovary
Note: [TERATOMA MAL] TGLs = 1-10
Spleen
Note: [HEMA CELL PROL] TGLs = 2-4

Nephropathy
Teratoma Nos
Teratoma Malignant
Hematopoietic Cell Proliferation

Chronic, Mild
Metastatic (Ovary)
Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7097

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Kidney		Lymphoma Malignant Mixed
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Note: [LYMPH MAL MIXD] TGLs = 5-5

Liver		Hepatocellular Carcinoma
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Lymphoma Malignant Mixed

Note: [HEPATOCLR CARC] TGLs = 1-10

Lung		Lymphoma Malignant Mixed
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Lymph Node	Iliac	Lymphoma Malignant Mixed
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	Mediastinal	Lymphoma Malignant Mixed
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	Mesenteric	Lymphoma Malignant Mixed
--	------------	--------------------------

	Pancreatic	Lymphoma Malignant Mixed
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Note: [LYMPH MAL MIXD] TGLs = 6-11

[Lymphoma Malignant Mixed TGLS = 8-14]

[Lymphoma Malignant Mixed TGLS = 4-12]

[Lymphoma Malignant Mixed TGLS = 3-13]

Pituitary Gland	Pars Distalis	Adenoma
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Note: [ADENOMA] TGLs = 7-8

Spleen		Lymphoma Malignant Mixed
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Note: [LYMPH MAL MIXD] TGLs = 2-4

Thymus		Lymphoma Malignant Mixed
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Thyroid Gland	Follicular Cel	Adenoma	Multiple
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7098	TRT#: 4	SEX: Female	DAY ON TEST: 751
	DOSE: 0.75 MG/M3	DISP: Terminal Sacrifice	HISTO: 11768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7099

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 0.75 MG/M3

DISP: Terminal Sacrifice

HISTO: 11769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Lung	Alveolus, Bronchus	Adenoma	
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Ovary		Cyst	
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Note: [CYST] TGLs = 1-7

Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7100

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.75 MG/M3

DISP: Dead

HISTO: 11770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Larynx
Mammary Gland
Stomach - Forestomach

Adrenal Gland - Medulla
Heart
Intestine Small - Ileum
Liver
Pituitary Gland
Stomach - Glandular

Bone
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Salivary Glands
Thyroid Gland

Brain
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mandibular
Skin
Trachea

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder Intestine Small - Duodenum

OBSERVATIONS

Adrenal Gland
Bone Marrow
Kidney
Lymph Node
Nose

Capsule

Bronchial
Respirat Epith

Respirat Epith

Hyperplasia
Myelofibrosis
Nephropathy
Lymphoma Malignant Mixed
Hyperplasia
Inflammation
Metaplasia

Mild
Mild
Chronic, Minimal

Mild
Suppurative, Minimal
Squamous, Mild

Note: TURBINATES IN SECTION #1.

Note: THE NOSE LESIONS ARE ON THE TIP OF THE

Ovary
Pancreas
Spleen
Thymus
Urinary Bladder
Uterus

Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8051	TRT#: 6	SEX: Female	DAY ON TEST: 748
	DOSE: 1.5 MG/ M3	DISP: Terminal Sacrifice	HISTO: 11454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Lymph Node - Bronchial	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Developmental Malformation	
		Nephropathy	Chronic, Mild
Note: [DEVELOP MALFOR] TGLs = 1-5			
Lymph Node	Pancreatic	Angiectasis	Moderate
	Mandibular	Hematopoietic Cell Proliferation	Marked
	Pancreatic	Inflammation	Suppurative, Mild
Note: [HEMA CELL PROL] TGLs = 2-7			
Note: [INFLAMMATION] TGLs = 3-10			
Note: [ANGIECTASIS] TGLs = 3-10			
Nose			
Note: THERE IS A FLOATER IN SECTION #3 OF THE NOSE, WHICH			
Note: IS A SECTION OF SEMINIFEROUS TUBUALE FROM A MALE			
Note: MOUSE.			
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8052

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 11455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Larynx
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Liver
Ovary
Skin
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Bronchial
Pituitary Gland
Stomach - Forestomach
Trachea

MISSING

Islets, Pancreatic

Lymph Node - Mandibular

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland
Bone Marrow
Kidney
Nose

Capsule

Respirat Epith

Hyperplasia
Myelofibrosis
Nephropathy
Inflammation
Metaplasia

Moderate
Mild
Chronic, Mild
Suppurative, Mild
Squamous, Mild

Note: IS VERY LIKELY DUE TO BLEACH CONTAMINATION.

Note: THERE IS ALOT OF ARTIFACT IN THE NOSE SECTIONS WHICH

PRIMARY CAUSE OF DEATH

-

Animal Note: IT IS LOCATED WHERE THE PANCREAS IS NORMALLY FOUND.

Animal Note: WHICH WAS APPARENTLY MISTAKEN FOR PANCREAS SINCE

Animal Note: THERE IS A UNIDENTIFIABLE TISSUE ON SLIDE #4

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8053

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 11456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Clitoral Gland		Inflammation	Suppurative, Moderate
Note: [INFLAMMATION] TGLs = 1-11			
Eye			
Note: CORNEA ARTIFACTUALLY DESTROYED; SUSPECT BLEACH			
Note: SOLUTION USED TO DECONTAMINATE THE ANIMALS.			
Kidney		Nephropathy	Chronic, Minimal
Lung		Hemorrhage	Moderate
[Hemorrhage TGLS = 4-3]			
Uterus		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8054

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Ovary		Cyst	
Note: [CYST] TGLs = 2-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8055

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Bronchial	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Trachea	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Vacuolization Cytoplasmic	Minimal
Note: [VACUOLIZ CYTO] TGLs = 6-10			
Lymph Node	Deep Cervical	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 5-7			
[Lymphoma Malignant Mixed TGLS = 4-12]			
[Lymphoma Malignant Mixed TGLS = 3-11]			
Nose			
Note: ON THE OTHER SIDE (DORSAL), BUT I AM INTERPRETING			
Note: EPITHELIUM ON ONE SIDE AND WHAT LOOKS LIKE RESPIRATORY			
Note: IN THE FIRST TWO SECTIONS OF NOSE THERE IS OLFACTORY			
Note: THIS AS A FUNCTION OF CUT.			
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-4]			
Stomach	Epithelium, Glandular	Hyperplasia	Minimal
Thyroid Gland		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8055

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11458

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder

Uterus

Note: [HYPERPLASIA] TGLs = 2-8

Endometrium

Lymphoma Malignant Mixed

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8056

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Nose		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
Spleen		Hematopoietic Cell Proliferation	Marked
Note: [HEMA CELL PROL] TGLs = 2-4			
Uterus		Inflammation	Suppurative, Mild
Vagina		Polyp	
Note: VAGINAL POLYP IS SIMILAR TO ENDOMETRIAL STROMAL			
Note: [POLYP] TGLs = 1-10			
Note: POLYPS OF RATS HISTOLOGICALLY.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8057

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Bronchial
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland
Bone Marrow
Brain
Kidney
Liver

Capsule

Hyperplasia
Myelofibrosis
Mineralization
Nephropathy
Hepatocellular Carcinoma

Mild
Mild
Mild
Chronic, Mild

Note: [HEPATOCLR CARC] TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8058

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lung	Lymph Node - Bronchial	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Lymph Node	Mandibular	Hematopoietic Cell Proliferation	Moderate
Nose	Respirat Epith	Metaplasia	Squamous, Minimal
Ovary		Angiectasis	Moderate
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8059

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11462

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	Larynx	Liver	Lung
Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8060

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 11463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Larynx
Stomach - Forestomach

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Stomach - Glandular

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Trachea

AUTO PRECLUDES DIAG.

Gallbladder

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland
Brain
Kidney

Capsule

Hyperplasia
Mineralization
Lymphoma Malignant Mixed
Nephropathy

Mild
Mild

Liver
Lung

Alveolus

Lymphoma Malignant Mixed
Infiltration Cellular

Chronic, Mild
Histiocyte, Mild

Lymph Node

Bronchial
Inguinal
Mandibular
Mediastinal
Mesenteric
Renal

Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed

Note: [LYMPH MAL MIXD] TGLs = 4-5
Note: [LYMPH MAL MIXD] TGLs = 1-10
Note: [LYMPH MAL MIXD] TGLs = 5-12
Note: [LYMPH MAL MIXD] TGLs = 6-13
Note: [LYMPH MAL MIXD] TGLs = 7-14

Nose

Respirat Epith

Inflammation
Metaplasia

Suppurative, Mild
Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8060

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 1.5 MG/ M3

DISP: Moribund

HISTO: 11463

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THERE IS BLEACH ARTIFACT IN THE NOSE.

Ovary	Lymphoma Malignant Mixed
Pituitary Gland	Lymphoma Malignant Mixed
Salivary Glands	Lymphoma Malignant Mixed
Skin	Lymphoma Malignant Mixed
Note: [LYMPH MAL MIXD] TGLs = 2,8-11+15	
Spleen	Lymphoma Malignant Mixed
Note: [LYMPH MAL MIXD] TGLs = 3-4	
Thymus	Lymphoma Malignant Mixed
Thyroid Gland	Inflammation
Urinary Bladder	Lymphoma Malignant Mixed
Uterus	Lymphoma Malignant Mixed

Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8061

TRT#: 6

SEX: Female

DAY ON TEST: 693

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 11464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Mammary Gland	Parathyroid Gland
Salivary Glands	Thyroid Gland	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
	Medulla	Lymphoma Malignant Undifferentiated Cell Type	
Brain		Hemorrhage	Moderate
		Lymphoma Malignant Undifferentiated Cell Type	
		Mineralization	Mild
Esophagus		Lymphoma Malignant Undifferentiated Cell Type	
Heart		Lymphoma Malignant Undifferentiated Cell Type	
Intestine Large	Cecum	Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Larynx		Lymphoma Malignant Undifferentiated Cell Type	
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [HEPATOCLR ADEN]			
TGLs = 4-11			
Lung		Hemorrhage	Moderate
		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Pancreatic	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF]			
TGLs = 6-13			
Note: [LYMPH MAL UNDF]			
TGLs = 1-7			
Note: [LYMPH MAL UNDF]			
TGLs = 5-12			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8061	TRT#: 6 DOSE: 1.5 MG/ M3	SEX: Female DISP: Dead	DAY ON TEST: 693 HISTO: 11464
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ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Respirat Epith	Hyperplasia	Mild
Ovary		Lymphoma Malignant Undifferentiated Cell Type	
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland		Lymphoma Malignant Undifferentiated Cell Type	
Skin		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 7-14			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-4			
Stomach	Forestomach	Lymphoma Malignant Undifferentiated Cell Type	
	Glandular	Lymphoma Malignant Undifferentiated Cell Type	
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Uterus		Dilatation	Marked
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [DILATATION] TGLs = 3-10			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8062	TRT#: 6	SEX: Female	DAY ON TEST: 748
	DOSE: 1.5 MG/ M3	DISP: Terminal Sacrifice	HISTO: 11465

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	Larynx	Liver	Lung
Lymph Node - Bronchial	Mammary Gland	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Nose	Respirat Epith	Metaplasia	Squamous, Mild
Note: SECTION #1.			
Note: NOSE LESIONS ARE IN THE MAXILLARY TURBINATES IN			
Parathyroid Gland		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8063

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Lung	Alveolus	Inflammation	Suppurative, Mild
		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF]			
TGLs = 2-11			
Nose		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Note: NOSE LESIONS ARE ON THE TURBINATES AND ADJACENT			
Note: LATERAL WALL IN SECTION #1.			
Uterus		Dilatation	Marked
Note: [DILATATION]			
TGLs = 1-10+8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8064

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Bronchial
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Brain
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland

Cortex
Capsule

Angiectasis
Hyperplasia
Myelofibrosis
Nephropathy
Hepatocellular Carcinoma

Moderate
Mild
Mild
Chronic, Minimal

Bone Marrow

Kidney

Liver

Note: [HEPATOCLR CARC] TGLs = 1-10

Uterus

Endometrium

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8065

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 11468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea			

MISSING

Intestine Large - Cecum	Intestine Small - Duodenum
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AUTO PRECLUDES DIAG.

Eye

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Lymphoma Malignant Mixed	
	Medulla	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
		Nephropathy	Chronic, Mild
Liver		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 6-4+12			
Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Lymphoma Malignant Mixed	
[Infiltration Cellular TGLS = 7,8-3+10]			
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
		Lymphoma Malignant Mixed	

Note: [LYMPH MAL MIXD] TGLs = 5-5

Note: AS A SITE.

Note: TGL 4-12 IS HEPATIC LYMPH NODE WHICH IS NOT AVAILABLE

[Lymphoma Malignant Mixed TGLS = 1-7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8065

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 11468

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant Mixed TGLS = 4-12]

[Lymphoma Malignant Mixed TGLS = 9-13]

Ovary Lymphoma Malignant Mixed

Pancreas Lymphoma Malignant Mixed

[Lymphoma Malignant Mixed TGLS = 10-11]

Pituitary Gland Lymphoma Malignant Mixed

Spleen Lymphoma Malignant Mixed

[Lymphoma Malignant Mixed TGLS = 3-11]

Stomach Glandular Inflammation Suppurative, Mild

Urinary Bladder Lymphoma Malignant Mixed

Uterus Lymphoma Malignant Mixed

Note: [LYMPH MAL MIXD] TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8066

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Bronchial	Lymph Node - Mandibular	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	Capsule	Hyperplasia	Minimal
Bone Marrow		Myelofibrosis	Minimal
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-3			
Ovary		Cyst	
Note: [CYST] TGLs = 1-7			
Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8067

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Minimal
Lung		Leukocytosis	Mild
Ovary		Cyst	
Spleen		Hematopoietic Cell Proliferation	Marked
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8068

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lung	Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Mild
	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Epithelium, Glandular	Hyperplasia	Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8069

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Mammary Gland	Nose	Pancreas
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-5			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Ovary		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Uterus		Hemorrhage	Moderate
	Endometrium	Hyperplasia	Mild
Note: [HEMORRHAGE] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8070

TRT#: 6

SEX: Female

DAY ON TEST: 215

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 6320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Heart
Lymph Node - Bronchial
Skin
Uterus

Adrenal Gland - Medulla
Islets, Pancreatic
Mammary Gland
Spleen

Bone
Larynx
Pancreas
Thyroid Gland

Esophagus
Liver
Salivary Glands
Trachea

MISSING

Lymph Node - Mandibular

Parathyroid Gland

Thymus

Urinary Bladder

AUTO PRECLUDES DIAG.

Eye
Intestine Large - Rectum
Pituitary Gland

Gallbladder
Intestine Small - Duodenum
Stomach - Glandular

Intestine Large - Cecum
Intestine Small - Ileum

Intestine Large - Colon
Intestine Small - Jejunum

INSUFFICIENT TISSUE

Stomach - Forestomach

OBSERVATIONS

Bone Marrow
Brain
Kidney
Note: [NEPHROPATHY] TGLs = 3-5
Lung
Nose
Ovary

Respirat Epith

Myelofibrosis
Hemorrhage
Nephropathy
Leukocytosis
Hyperplasia
Hemorrhage

Mild
Mild
Chronic, Marked
Mild
Mild
Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CONSISTANT WITH AMYLOIDOSIS.

Animal Note: THERE IS ALOT OF AUTOLYSIS IN THE TISSUES OF

Animal Note: THIS ANIMAL. PCOD IS SEVERE CHRONIC RENAL DISEASE,

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8071

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11473

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
Lymph Node - Mandibular	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Larynx	Lymph Node - Bronchial	Thymus
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INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Cortex Capsule	Cytomegaly Hyperplasia	Minimal Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-11			
Lung	Alveolus Alveolus	Infiltration Cellular Inflammation	Histiocyte, Marked Suppurative, Mild
Note: [INFILTRAT CELL] TGLs = 2-10			
Note: CELLULAR INFILTRATE IN LUNG IS MIX OF LYMPHOCYTES			
Note: AND HISTIOCYTES.			
Nose		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8072

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Marked
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
Ovary		Cyst	
Stomach	Epithelium, Glandular	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8073

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Skin
Thyroid Gland

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Parathyroid Gland
Stomach - Forestomach
Trachea

Brain
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Salivary Glands
Thymus
Uterus

OBSERVATIONS

Adrenal Gland

Bone Marrow
Kidney
Nose
Ovary
Note: [CYST] TGLs = 1-7
Spleen

Cortex
Capsule

Cytomegaly
Hyperplasia
Myelofibrosis
Nephropathy
Inflammation
Cyst

Minimal
Mild
Mild
Chronic, Mild
Suppurative, Mild

Hematopoietic Cell Proliferation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8074

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Bronchial
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Salivary Glands
Thymus

Bone
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Skin
Thyroid Gland

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland
Bone Marrow
Brain
Kidney
Liver

Capsule

Hyperplasia
Myelofibrosis
Mineralization
Nephropathy
Hepatocellular Adenoma

Mild
Mild
Mild
Chronic, Mild

Note: [HEPATOCLR ADEN] TGLs = 2-10

Nose

Inflammation

Acute, Mild

Note: THE SEROUS INFLAMMATION IS IN SECTION #1, IN

Note: THE DORSAL MEATUS.

Ovary

Cyst

Note: [CYST] TGLs = 1-7

Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Spleen

Hematopoietic Cell Proliferation

Moderate

Uterus

Endometrium

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8075

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Lymph Node - Bronchial	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Intestine Small	Duodenum	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-11			
Kidney		Nephropathy	Chronic, Mild
Lymph Node	Axillary	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-10			
Nose		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Trachea		Inflammation	Suppurative, Mild
Uterus	Endometrium	Hyperplasia	Mild
	Endometrium	Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8076

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Ear
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Lymph Node - Bronchial	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Eye	Retina	Vacuolization Cytoplasmic	Minimal
Kidney		Nephropathy	Chronic, Mild
Lymph Node	Mandibular	Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-7			
Nose		Inflammation	Suppurative, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: THE SUBCUTANEOUS MASS IN SLIDE # 10 CONSISTS

Animal Note: OF NORMAL EAR CANAL SKIN.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8077

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Pancreas
Skin
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thyroid Gland

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Eye
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland
Bone Marrow
Brain
Kidney
Nose

Capsule

Hyperplasia
Myelofibrosis
Mineralization
Nephropathy
Inflammation

Mild
Mild
Mild
Chronic, Mild
Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8078

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 11480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Islets, Pancreatic	Larynx
Liver	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Uterus	

MISSING

Mammary Gland	Parathyroid Gland
---------------	-------------------

AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Nose		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Stomach	Glandular	Erosion	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: THERE IS ALOT OF AUTOLYSIS IN THIS ANIMAL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8079

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11481

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	Larynx	Liver
Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Moderate
Eye	Lens	Cataract	Mild
Note: [CATARACT] TGLs = 3-10			
Harderian Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 2-10			
Kidney		Nephropathy	Chronic, Mild
Lung		Adenocarcinoma	Metastatic (Harderian Gland)
Note: [ADENOCARC] TGLs = 1-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8080

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Eye
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 - Bronchial
Ovary
Skin
Thymus

Bone
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

MISSING

Esophagus Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Uterus		Hemangioma	

Note: [HEMANGIOMA] TGLs = 1-8+10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8081

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Nose		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Uterus		Dilatation	Marked

Note: [DILATATION] TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8082

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Esophagus	Intestine Large - Colon
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Ovary		Hemorrhage	Mild
Uterus		Hemorrhage	Moderate
	Endometrium	Hyperplasia	Moderate

Note: [HEMORRHAGE] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8083

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Lung		Alveolar/Bronchiolar Carcinoma	
Note: 5 STEP SECTIONS OF LUNG, NO MORE CARCINOMA.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8084

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Bronchial	Mammary Gland
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Larynx	Artery	Inflammation	Marked
Liver		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 1,2-10+11			
Lung		Congestion	Marked
Note: [CONGESTION] TGLs = 3-3			
Nose	Respirat Epith	Metaplasia	Squamous, Mild
Note: ONE.			
Note: THE NOSE LESION IS ON THE LATERAL WALL IN SECTION			
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8085

TRT#: 6

SEX: Female

DAY ON TEST: 615

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 9648

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Hemorrhage

Marked

Inflammation

Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: THERE IS ALOT OF AUTOLYSIS IN THIS ANIMAL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8086

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Bronchial
Lymph Node - Mandibular	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone	Cranium	Osteosarcoma	
Bone Marrow		Myelofibrosis	Marked
Kidney		Nephropathy	Chronic, Minimal
Liver		Angiectasis	Marked
		Clear Cell Focus	Marked
Note: [CLEAR CL FOCUS] TGLs = 4-10			
Note: [ANGIECTASIS] TGLs = 4-10			
Lung		Congestion	Moderate
Nose		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Moderate
Ovary		Hemorrhage	Marked
		Mineralization	Moderate
Note: [HEMORRHAGE] TGLs = 2-7			
Uterus	Endometrium	Hyperplasia	Mild
Note: [HYPERPLASIA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8087

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Ovary		Cyst	
	Germinal Epith	Hyperplasia	Moderate
Note: [CYST] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalonitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8088

TRT#: 6

SEX: Female

DAY ON TEST: 697

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 11489

ORGAN AND ACCOUNTABLE SITE STATUS

MISSING

Lymph Node - Mandibular

Mammary Gland

Parathyroid Gland

Thymus

AUTO PRECLUDES DIAG.

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

Larynx

Liver

Lung

Lymph Node - Bronchial

Nose

Ovary

Pancreas

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

Trachea

Urinary Bladder

Uterus

INSUFFICIENT TISSUE

Eye

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8089

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node - Bronchial	Lymph Node - Mandibular
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Heart		Inflammation	Suppurative, Mild
Kidney		Nephropathy	Chronic, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
Note: TURBINATES ON SECTION #1.			
Note: NOSE LESIONS ARE ON THE TIPS OF THE MAXILLARY			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8090

TRT#: 6

SEX: Female

DAY ON TEST: 543

DOSE: 1.5 MG/ M3

DISP: Dead

HISTO: 9307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Islets, Pancreatic
Liver	Lung	Lymph Node - Bronchial	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Thymus	Thyroid Gland	Urinary Bladder	Uterus

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Larynx	Stomach - Forestomach	Stomach - Glandular	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
Ovary		Hemorrhage	Moderate
Skin		Hemorrhage	Marked
Note: [HEMORRHAGE] TGLs = 1,3-10+11			
Spleen		Necrosis	Marked
[Necrosis TGLS = 2-4]			

PRIMARY CAUSE OF DEATH

-

Animal Note: TISSUES ON THIS ANIMAL ARE AUTOLYTIC.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8091

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Marked
	Capsule	Hyperplasia	Mild
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Hematopoietic Cell Proliferation	Moderate
Lung		Leukocytosis	Mild
Lymph Node	Bronchial	Hematopoietic Cell Proliferation	Marked
	Mandibular	Hematopoietic Cell Proliferation	Marked
	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: METAPLASIA.			
Note: [HEMA CELL PROL] TGLs = 2-7+10			
Note: THE LESION IN THE BRONCHIAL LYMPH NODE IS MYLOID			
Nose	Olfactory Epi	Atrophy	Mild
		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
Ovary		Cyst	
Pituitary Gland	Pars Intermed	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Skin		Ulcer	Marked
Spleen		Hematopoietic Cell Proliferation	Marked

[Hematopoietic Cell Proliferation TGLS = 1-5]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8091

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11491

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:10
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8092

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Lymphoma Malignant Histiocytic	
		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 4,5-4+10			
Lung	Alveolus	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Ovary		Cyst	
	Germinal Epith	Hyperplasia	Moderate
Note: [CYST] TGLs = 2-7			
Spleen		Lymphoma Malignant Histiocytic	
Thymus		Lymphoma Malignant Histiocytic	
Uterus		Dilatation	Marked
	Endometrium	Hyperplasia	Mild
Note: [DILATATION] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:10

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8093

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Bronchial
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Eye
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Bone
Gallbladder
Intestine Small - Duodenum
Larynx
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland
Bone Marrow
Heart
Kidney
Lung
Uterus

Capsule
Artery
Endometrium

Hyperplasia
Myelofibrosis
Inflammation
Nephropathy
Alveolar/Bronchiolar Adenoma
Hyperplasia

Mild
Mild
Marked
Chronic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8094

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Skin
Thymus

Adrenal Gland - Medulla
Eye
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland
Bone Marrow
Gallbladder
Kidney
Nose

Capsule

Hyperplasia
Myelofibrosis
Inflammation
Nephropathy
Inflammation

Mild
Mild
Suppurative, Mild
Chronic, Mild
Acute, Mild

Note: SEROUS INFLAMMATION IS IN THE MOST CAUDAL SECTION

Note: DORSALLY ON ONE SIDE.

Uterus

Endometrium

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8095

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Bronchial
Parathyroid Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Eye
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Bone
Heart
Intestine Small - Duodenum
Larynx
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Skin
Thymus

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Adrenal Gland
Bone Marrow
Kidney
Liver
Note: [HEPATOCLR CARC] TGLs = 2-10
Nose
Uterus
Note: [HYPERPLASIA] TGLs = 1-8

Capsule

Endometrium

Hyperplasia
Myelofibrosis
Nephropathy
Hepatocellular Carcinoma

Inflammation
Hyperplasia

Mild
Mild
Chronic, Minimal

Suppurative, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8096

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland	Ovary
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Compression	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-10			
Note: THIS LIVER TUMOR IS VERY SMALL, BUT THE CELLULAR			
Note: CHARACTERISTICS ARE THAT OF A CARCINOMA.			
Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
Note: THE HYPERPLASIA OF THE RESPIRATORY EPITHELIUM IS ON			
Note: THE TIP OF ONE OF THE MAXILLARY TURBINATES.			
Pituitary Gland	Pars Intermed	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Uterus		Dilatation	Marked
Note: [DILATATION] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8097

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lung	Lymph Node - Bronchial	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Mineralization	Mild
		Nephropathy	Chronic, Mild
Nose		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Moderate
Ovary		Cyst	
Note: [CYST] TGLs = 2-7			
Uterus		Dilatation	Marked
	Endometrium	Hyperplasia	Minimal
Note: [DILATATION] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8098

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lymph Node - Bronchial	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Moderate
Lung	Artery	Mineralization	Marked
Lymph Node	Mandibular	Cyst	
Note: [CYST] TGLs = 4,5-7			
Skin		Acanthosis	Moderate
		Inflammation	Suppurative, Moderate
		Ulcer	Marked
Note: [ACANTHOSIS] TGLs = 2-10			
Note: [INFLAMMATION] TGLs = 2-10			
Note: ALL THE SKIN LESIONS DESCRIBED ARE FROM THE AREA			
Note: OF ALOPECIA ON THE HEAD.			
Note: [ULCER] TGLs = 2-10			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: [HEMA CELL PROL] TGLs = 3-4			
Stomach	Glandular	Adenoma	
Note: STOMACH LESION IS A ADENOMATOUS POLYP.			
Note: [ADENOMA] TGLs = 6-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8098

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11498

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8099

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lymph Node - Bronchial	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Minimal
Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mandibular	Hematopoietic Cell Proliferation	Marked
Nose	Respirat Epith	Metaplasia	Squamous, Mild
Uterus		Dilatation	Marked

Note: [DILATATION] TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8100

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: 1.5 MG/ M3

DISP: Terminal Sacrifice

HISTO: 11500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lung	Lymph Node - Bronchial
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild

Note: NOSE LESIONS ARE IN SECTION #1 ON THE TIPS OF THE

Note: TURBINATES AND ADJACENT LATERAL WALL.

Pituitary Gland

Pars Intermed

Adenoma

Note: [ADENOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9351

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 749

HISTO: 11188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Lymphoma Malignant Mixed	
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Lymphoma Malignant Mixed	
		Nephropathy	Chronic, Mild
Liver		Lymphoma Malignant Mixed	
Lung	Alveolus	Hyperplasia	Moderate
		Lymphoma Malignant Mixed	
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
Note: THE TISSUE LABELED AS RENAL LYMPH NODE AT NECROPSY			
Note: [LYMPH MAL MIXD] TGLs = 3-12			
Note: IS ACTUALLY PANCREATIC LYMPH NODE.			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-10			
Uterus		Angiectasis	Moderate
		Lymphoma Malignant Mixed	
Note: [ANGIECTASIS] TGLs = 5-11			
Note: [LYMPH MAL MIXD] TGLs = 4-11			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9351

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11188

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9352

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Eye	Gallbladder	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule Cortex	Hyperplasia Lymphoma Malignant Histiocytic Myelofibrosis	Moderate Mild
Bone Marrow		Lymphoma Malignant Histiocytic	
Heart		Lymphoma Malignant Histiocytic	
Intestine Large	Cecum Rectum	Lymphoma Malignant Histiocytic Lymphoma Malignant Histiocytic	
Intestine Small	Ileum	Lymphoma Malignant Histiocytic	
Kidney		Lymphoma Malignant Histiocytic Nephropathy	Chronic, Mild
Larynx		Lymphoma Malignant Histiocytic	
Liver		Lymphoma Malignant Histiocytic	
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Bronchial Mandibular Renal	Lymphoma Malignant Histiocytic Lymphoma Malignant Histiocytic Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST] TGLs = 5-5 [Lymphoma Malignant Histiocytic TGLS = 7-7]			
Mesentery		Fibrosis	Marked
Note: TISSUE ON SLIDE #12 IS A FIBROTIC NODULE WHICH WAS FOUND IN THE ABDOMINAL CAVITY. Note: [FIBROSIS] TGLs = 4-12			
Nose	Respirat Epith	Metaplasia	Squamous, Minimal
Ovary		Lymphoma Malignant Histiocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9352

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11189

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Lymphoma Malignant Histiocytic	
Salivary Glands		Lymphoma Malignant Histiocytic	
Skin		Lymphoma Malignant Histiocytic	
Spleen		Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST] TGLs = 3-4			
Thymus		Lymphoma Malignant Histiocytic	
Trachea		Lymphoma Malignant Histiocytic	
Urinary Bladder		Lymphoma Malignant Histiocytic	
Uterus	Endometrium	Hyperplasia	Marked
		Lymphoma Malignant Histiocytic	
Note: [HYPERPLASIA] TGLs = 2,6-8+10+11			

PRIMARY CAUSE OF DEATH -

Animal Note: DIFFERENTIAL DIAGNOSIS ON THIS ANIMAL IS MAL-

Animal Note: IGNANT LYMPHOMA, MIXED CELL TYPE.

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9353

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular
Nose	Pancreas	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Medulla	Karyomegaly	Mild
Bone Marrow		Myelofibrosis	Minimal
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 3-10+11			
Lung		Carcinoma	Metastatic (Liver)
Note: THREE STEP SECTIONS OF THE LUNG, SMALL METASTATIC			
Note: GROSSLY VISIBLE.			
Note: LIVER TUMOR IN APICAL LOBE, NOT BIG ENOUGH TO BE			
Ovary		Cyst	
Note: [CYST] TGLs = 2-7			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: [HEMA CELL PROL] TGLs = 6-4			
Stomach	Glandular	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9354

TRT#: 2

SEX: Female

DAY ON TEST: 715

DOSE: CONTROL

DISP: Dead

HISTO: 11234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-11]			
Uterus	Endometrium	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 1-8+10			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9355

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund

DAY ON TEST: 709

HISTO: 11191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Larynx
Trachea

Bone
Heart
Intestine Small - Duodenum
Parathyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Stomach - Forestomach

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Thyroid Gland

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Eye Pituitary Gland

OBSERVATIONS

Adrenal Gland

Capsule
Cortex

Hyperplasia
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Mineralization
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Necrosis

Mild

Brain

Lymphoma Malignant Mixed
Mineralization

Mild

Islets, Pancreatic

Kidney

Liver

Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Necrosis

Moderate

Note: [LYMPH MAL MIXD] TGLs = 6-4+11

Note: [NECROSIS] TGLs = 6-4+11

Lung

Lymph Node

Bronchial
Mandibular
Mesenteric
Renal

Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed

Note: [LYMPH MAL MIXD] TGLs = 7-12

Note: [LYMPH MAL MIXD] TGLs = 3-13

Note: [LYMPH MAL MIXD] TGLs = 2-3+14

Nose

Ovary

Inflammation
Lymphoma Malignant Mixed

Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9355

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund

DAY ON TEST: 709
HISTO: 11191

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Lymphoma Malignant Mixed
Salivary Glands		Lymphoma Malignant Mixed
Skin		Lymphoma Malignant Mixed
Spleen		Lymphoma Malignant Mixed
Note: [LYMPH MAL MIXD] TGLs = 1-10		
Stomach	Glandular	Lymphoma Malignant Mixed
Thymus		Lymphoma Malignant Mixed
Note: [LYMPH MAL MIXD] TGLs = 4-2		
Urinary Bladder		Lymphoma Malignant Mixed
Uterus		Lymphoma Malignant Mixed

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9356

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 749

HISTO: 11192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Mammary Gland
Nose	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Moderate
	Capsule	Hyperplasia	Mild
	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Bone Marrow		Lymphoma Malignant Undifferentiated Cell Type	
		Myelofibrosis	Mild
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
		Nephropathy	Chronic, Mild
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-3			
Ovary		Cyst	
	Germinal Epith	Hyperplasia	Mild
		Lymphoma Malignant Undifferentiated Cell Type	
		Angiectasis	Moderate
Pituitary Gland			
Note: [ANGIECTASIS] TGLs = 3-8			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-4			
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9356

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11192

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Endometrium	Hyperplasia	Moderate
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9357

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Eye	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Mammary Gland	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 10-7			
Bone Marrow		Myelofibrosis	Mild
Gallbladder		Lymphoma Malignant Mixed	
Intestine Small	Ileum	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 4-5+11			
Liver		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 5-4+10			
Lung		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 11-3			
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Inguinal	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-7			
Note: [LYMPH MAL MIXD] TGLs = 9-14			
Note: [LYMPH MAL MIXD] TGLs = 6-12			
Note: [LYMPH MAL MIXD] TGLs = 7-3			
Note: [LYMPH MAL MIXD] TGLs = 8-13			
Nose		Inflammation	Suppurative, Minimal
Ovary		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9357	TRT#: 2 DOSE: CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 749 HISTO: 11193
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ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Atrophy	Mild
Pituitary Gland		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD]	TGLs = 3-4		
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	
Urinary Bladder		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD]	TGLs = 1-8		
Uterus		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9358

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-10			
Mesentery		Necrosis	Marked
Note: [NECROSIS] TGLs = 1-11			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9359

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lymph Node - Bronchial
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Parathyroid Gland
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INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Mild
Intest Large			
Note: THE TISSUE ON SLIDE #6 WHICH IS LOCATED WHERE RECTUM			
Note: IS USUALLY PRESENT IS CERVIX.			
Kidney		Nephropathy	Chronic, Moderate
Lung	Alveolus	Inflammation	Suppurative, Minimal
Ovary	Germinal Epith	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9360

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Skin	Stomach - Forestomach	Thyroid Gland	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Bone Marrow		Lymphoma Malignant Undifferentiated Cell Type	
		Myelofibrosis	Mild
Intestine Small	Ileum	Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Nephropathy	Chronic, Mild
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 4-4			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 5-7			
Note: [LYMPH MAL UNDF] TGLs = 3-3			
Ovary		Cyst	
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [CYST] TGLs = 1-7			
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
Note: NOT LYMPHOCYTES.			
Note: CELL POPULATION APPEARS TO BE PARS DISTALIS CELLS			
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9360

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11196

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: [LYMPH MAL UNDF] TGLs = 2-4		Lymphoma Malignant Undifferentiated Cell Type	
Stomach	Glandular	Lymphoma Malignant Undifferentiated Cell Type	
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	
Uterus	Endometrium	Hyperplasia	Mild
		Lymphoma Malignant Undifferentiated Cell Type	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9361

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: CONTROL

DISP: Dead

HISTO: 11235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Heart	Intestine Large - Colon	Intestine Small - Duodenum
Islets, Pancreatic	Mammary Gland	Skin	Stomach - Forestomach
Thyroid Gland	Trachea		

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Marked
	Cortex	Lymphoma Malignant	
	Medulla	Lymphoma Malignant	
Bone Marrow		Lymphoma Malignant	
		Myelofibrosis	Mild
Brain		Compression	Moderate
		Mineralization	Mild
Esophagus		Lymphoma Malignant	
Intestine Large	Cecum	Lymphoma Malignant	
	Rectum	Lymphoma Malignant	
Intestine Small	Ileum	Lymphoma Malignant	
Kidney		Lymphoma Malignant	
Larynx		Lymphoma Malignant	
Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant	
Note: [HEPATOCLR CARC]			TGLs = 5-10
Lung		Lymphoma Malignant	
Lymph Node	Bronchial	Lymphoma Malignant	
	Mandibular	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
Note: [LYMPH MAL]			TGLs = 3-3
Note: [LYMPH MAL]			TGLs = 4-3

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9361

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: CONTROL

DISP: Dead

HISTO: 11235

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery

Lymphoma Malignant

Note: [LYMPH MAL] TGLs = 2-12

Nose

Lymphoma Malignant

Ovary

Lymphoma Malignant

Pancreas

Lymphoma Malignant

Pituitary Gland

Pars Distalis

Adenoma

Note: [ADENOMA] TGLs = 8-8

Salivary Glands

Lymphoma Malignant

Skeletal Muscle

Lymphoma Malignant

Note: [LYMPH MAL] TGLs = 6-11

Spleen

Lymphoma Malignant

Note: [LYMPH MAL] TGLs = 1-4

Stomach

Glandular

Lymphoma Malignant

Thymus

Lymphoma Malignant

Urinary Bladder

Lymphoma Malignant

Uterus

Endometrium

Hyperplasia

Moderate

Lymphoma Malignant

Note: [LYMPH MAL] TGLs = 9-8

PRIMARY CAUSE OF DEATH

-

Animal Note: THE DIFFERENTIAL DIAGNOSIS FOR THIS ANIMAL IS

Animal Note: MALIGNANT LYMPHOMA UNDIFFERENTIATED TYPE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9362

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Eye
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Nose
Pituitary Gland
Stomach - Glandular

Bone
Heart
Intestine Small - Duodenum
Larynx
Ovary
Salivary Glands
Thymus

Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Skin
Trachea

OBSERVATIONS

Adrenal Gland
Bone Marrow
Brain
Kidney
Liver
Note: [HDN] TGLs = 3-10
Lymph Node
Spleen
Thyroid Gland
Uterus
Note: [HYPERPLASIA] TGLs = 4-8+11

Capsule
Bronchial
Mandibular
Follicular Cel
Endometrium

Hyperplasia
Myelofibrosis
Mineralization
Nephropathy
Hepatodiaphragmatic Nodule
Hematopoietic Cell Proliferation
Hematopoietic Cell Proliferation
Hematopoietic Cell Proliferation
Hyperplasia
Hyperplasia

Mild
Mild
Mild
Chronic, Mild
Marked
Moderate
Marked
Mild
Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9363

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lung	Lymph Node - Bronchial	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Heart		Cardiomyopathy	Mild
		Hemorrhage	Mild
Kidney		Nephropathy	Chronic, Mild
Lymph Node	Mandibular	Hematopoietic Cell Proliferation	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Hematopoietic Cell Proliferation	Marked
Note: [HEMA CELL PROL] TGLs = 1-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Marked
Uterus	Endometrium	Hyperplasia	Marked
		Polyp Stromal	

Note: [POLYP STROMAL] TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalonitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9364

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund

DAY ON TEST: 668
HISTO: 10180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Eye	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Mild
Heart		Hemorrhage	Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronic, Mild
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Lung		Fibrosarcoma	Metastatic (Skin)
		Leukocytosis	Moderate
Note: [FIBROSARC] TGLs = 4-3			
Ovary		Cyst	
	Germinal Epith	Hyperplasia	Mild
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [CYST] TGLs = 5-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
Skin		Fibrosarcoma	
Note: [FIBROSARC] TGLs = 1-11+12			
Spleen		Hematopoietic Cell Proliferation	Marked
		Infarct	Mild
Note: [HEMA CELL PROL] TGLs = 2-4+10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9364

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund

DAY ON TEST: 668
HISTO: 10180

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [INFARCT] TGLs = 3-10

Urinary Bladder

Lymphoma Malignant Undifferentiated Cell Type

Uterus

Endometrium

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9365

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11199

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	Larynx
Lymph Node - Mandibular	Nose	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-11]			
Lung		Carcinoma	Metastatic (Liver)
Note: [CARCINOMA] TGLs = 1-3			
Lymph Node	Bronchial	Hematopoietic Cell Proliferation	Marked
Mammary Gland		Cyst	
Note: [CYST] TGLs = 5-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Spleen		Hematopoietic Cell Proliferation	Marked
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-2+10]			
Uterus	Endometrium	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 6-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9366

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 749

HISTO: 11200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Moderate
	Cortex	Lymphoma Malignant Mixed	
	Medulla	Lymphoma Malignant Mixed	
Bone Marrow		Myelofibrosis	Mild
Kidney		Lymphoma Malignant Mixed	
		Nephropathy	Chronic, Mild
Liver		Necrosis	Minimal
Lung		Lymphoma Malignant Mixed	
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD]			
Ovary		Cyst	Multiple, Marked
Note: [CYST]			
Pancreas		Lymphoma Malignant Mixed	
Pituitary Gland		Angiectasis	Mild
Note: [ANGIECTASIS]			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD]			
Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9366

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11200

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Lymphoma Malignant Mixed Hyperplasia	Marked

Note: [HYPERPLASIA] TGLs = 6-8

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9367 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 749
DOSE: CONTROL **DISP:** Terminal Sacrifice **HISTO:** 11201

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	Larynx	Lymph Node - Bronchial	Mammary Gland
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Mild
Eye	Cornea	Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 6-14			
Harderian Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 5-10			
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 4-12+13			
Lung		Adenocarcinoma	Metastatic (Harderian Gland)
Note: [ADENOCARC] TGLs = 3,7-3+11			
Lymph Node	Mandibular	Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 8-7			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Ovary		Cyst	
Note: [CYST] TGLs = 2-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9367

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11201

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9368

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Bronchial	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Mesentery		Necrosis	Marked
Note: [NECROSIS] TGLs = 2-11			
Ovary		Cyst	
Note: [CYST] TGLs = 3-7			
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9369

TRT#: 2

SEX: Female

DAY ON TEST: 709

DOSE: CONTROL

DISP: Dead

HISTO: 11203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Islets, Pancreatic
Lymph Node - Mandibular
Skin
Thymus

Bone
Heart
Larynx
Ovary
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Colon
Lung
Pancreas
Stomach - Forestomach
Urinary Bladder

Brain
Intestine Large - Rectum
Lymph Node - Bronchial
Salivary Glands
Stomach - Glandular
Uterus

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Eye
Intestine Small - Ileum

Gallbladder
Intestine Small - Jejunum

Intestine Large - Cecum

Intestine Small - Duodenum

OBSERVATIONS

Adrenal Gland

Cortex
Capsule

Angiectasis
Hyperplasia
Nephropathy
Hepatocellular Carcinoma

Marked
Mild
Chronic, Mild

Kidney
Liver

Note: [HEPATOCLR CARC] TGLs = 3-10

Mammary Gland

Note: [ADENOCARC] TGLs = 1-11+12

Adenocarcinoma

Nose

Nasolacrim Dct

Inflammation

Suppurative, Moderate

Pituitary Gland

Pars Distalis

Angiectasis

Minimal

Hyperplasia

Marked

Note: [ANGIECTASIS] TGLs = 4-8

Trachea

Inflammation

Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9370

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11204

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	Larynx	Liver
Lung	Lymph Node - Bronchial	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Minimal
Kidney		Lymphoma Malignant Mixed	
		Nephropathy	Chronic, Mild
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-7			
[Lymphoma Malignant Mixed TGLS = 6-5]			
Ovary		Cyst	
Note: [CYST] TGLs = 3-7			
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 4-4]			
Uterus	Endometrium	Hyperplasia	Marked
Note: [HYPERPLASIA] TGLs = 2-8+10			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9371

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11205

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	Larynx	Liver
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-10			
Lymph Node	Bronchial Mandibular	Lymphoma Malignant Undifferentiated Cell Type Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 4-3 [Lymphoma Malignant Undifferentiated Cell Type TGLS = 5-7]			
Stomach	Forestomach Forestomach	Squamous Cell Carcinoma Squamous Cell Papilloma	
Note: [PAPILLOMA SQUA] TGLs = 7-8 Note: [SQUAM CEL CARC] TGLs = 6-8 Note: TWO TUMORS FOUND IN FORESTOMACH ON SLIDE 8.			
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia Polyp	Marked Adenoid

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9371

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11205

ORGAN AND ACCOUNTABLE SITE STATUS

Note: DECIDUAL CHANGE IS PRESENT.

Note: [POLYP] TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9372

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund

DAY ON TEST: 692

HISTO: 11206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lymph Node - Bronchial	Mammary Gland
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Moderate
Lung	Alveolus	Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 3-3+10]	Infiltration Cellular	Histiocyte, Moderate
Nose		Inflammation	Suppurative, Mild
Ovary		Cyst	
	Note: [CYST] TGLs = 1-7		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Marked
Uterus	Endometrium	Hyperplasia	Moderate
	Note: [HYPERPLASIA] TGLs = 2-8+11		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9373

TRT#: 2

SEX: Female

DAY ON TEST: 679

DOSE: CONTROL

DISP: Dead

HISTO: 11207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Bronchial	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Compression	Marked
		Mineralization	Mild
		Necrosis	Marked
Harderian Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-9+10			
Kidney		Nephropathy	Chronic, Mild
Lung		Adenocarcinoma	Metastatic (Harderian Gland)
Note: [ADENOCARC] TGLs = 2-3+11			
Lymph Node	Mandibular	Hematopoietic Cell Proliferation	Moderate
Nose		Adenocarcinoma	Metastatic (Harderian Gland)
	Nasolacrim Dct	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9374

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Mammary Gland	Nose	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Lymphoma Malignant Mixed	
		Nephropathy	Chronic, Mild
Liver		Lymphoma Malignant Mixed	
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
Ovary		Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Pituitary Gland		Cyst	
	Pars Distalis	Hyperplasia	Moderate
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-4			
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9375

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-10+11			
Lung			
Note: LUNG HAS LYMPHOID HYPERPLASIA, BUT NOT CODABLE.			
Lymph Node	Bronchial	Hematopoietic Cell Proliferation	Mild
Ovary		Cyst	
		Thrombosis	
Note: [CYST] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Endometrium	Hyperplasia	Marked
Note: [HYPERPLASIA] TGLs = 2-8+12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9376

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Compression	Moderate
		Vacuolization Cytoplasmic	Moderate
Kidney		Nephropathy	Chronic, Mild
Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Ovary		Cyst	
Note: [CYST] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9377

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Eye
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Nose	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Uterus

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Bone Marrow		Myelofibrosis	Minimal
Brain		Mineralization	Mild
Gallbladder		Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
		Nephropathy	Chronic, Minimal
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-5			
Ovary		Lymphoma Malignant Undifferentiated Cell Type	
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland		Angiectasis	Mild
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9377

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11211

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9378

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Salivary Glands
Thymus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Pancreas
Skin
Thyroid Gland

Bone
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Parathyroid Gland
Spleen
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

MISSING

Lymph Node - Mandibular

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland
Bone Marrow
Kidney
Stomach
Uterus

Capsule

Epithelium, Glandular
Endometrium

Hyperplasia
Myelofibrosis
Nephropathy
Hyperplasia
Hyperplasia

Mild
Mild
Chronic, Mild
Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9379

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Salivary Glands
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Skin

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Stomach - Glandular

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Bronchial
Pancreas
Trachea

MISSING

Parathyroid Gland

Thymus

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland
Bone Marrow
Brain
Kidney
Lung

Capsule

Hyperplasia
Myelofibrosis
Mineralization
Nephropathy
Alveolar/Bronchiolar Adenoma
Infiltration Cellular
Inflammation

Moderate
Mild
Mild
Chronic, Mild

Alveolus
Alveolus

Histiocyte, Moderate
Suppurative, Mild

Note: [ALV BRON ADEN] TGLs = 4-10

Lymph Node

Pancreatic

Sarcoma

Note: [SARCOMA] TGLs = 3-12

Nose

Inflammation

Suppurative, Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: [ADENOMA] TGLs = 2-8

Spleen

Sarcoma

Note: ON THE SCREEN.

Note: IS HISTOCYTIC SARCOMA, BUT THIS IS NOT AVAILABLE ON

Note: THE LESIONS IN THE SPLEEN AND MESENTERIC LYMPH NODE

Note: [SARCOMA] TGLs = 1-8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9379	TRT#: 2 DOSE: CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 749 HISTO: 11213
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ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Forestomach	Inflammation	Suppurative, Minimal
	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 6-8			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Mild
Note: [HYPERPLASIA] TGLs = 5-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9380

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Pancreas	Skin	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Minimal
Brain		Mineralization	Mild
Intestine Small	Jejunum	Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Ovary		Lymphoma Malignant Undifferentiated Cell Type	
		Teratoma	
Note: THE OVARY CONTAINS WHAT IS APPARENTLY NERVOUS TISSUE, Note: 5 STEP-SECTIONS, NO CHANGE IN HISTOLOGY. Note: [TERATOMA] TGLs = 2-7			
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-4			
Stomach	Glandular	Lymphoma Malignant Undifferentiated Cell Type	
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Uterus	Endometrium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9380

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11214

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HYPERPLASIA] TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9381

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: CONTROL

DISP: Dead

HISTO: 11215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Heart	Intestine Large - Rectum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-10			
Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 2-2			
Uterus		Hemorrhage	Marked
Note: [HEMORRHAGE] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9382

TRT#: 2

SEX: Female

DAY ON TEST: 451

DOSE: CONTROL

DISP: Moribund

HISTO: 8622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	Mammary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
		Nephropathy	Chronic, Minimal
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Lung	Alveolus	Hyperplasia	Mild
		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Ovary		Lymphoma Malignant Undifferentiated Cell Type	
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9383

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Mammary Gland
Nose	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Heart		Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
		Nephropathy	Chronic, Minimal
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Ovary		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	
Uterus	Endometrium	Hyperplasia	Mild
		Lymphoma Malignant Undifferentiated Cell Type	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9384

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lymph Node - Bronchial	Lymph Node - Mandibular	Mammary Gland
Ovary	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 2-10			
Kidney		Mineralization	Mild
		Nephropathy	Chronic, Moderate
Lung		Alveolar/Bronchiolar Adenoma	
	Pleura	Fibrosis	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Marked
Note: [ALV BRON ADEN] TGLs = 1-3			
Nose		Inflammation	Acute, Mild
Pancreas	Duct	Dilatation	Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Mild
		Leiomyoma	
Note: [LEIOMYOMA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9385

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	Mammary Gland	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Myelofibrosis	Mild
Intestine Small	Ileum	Amyloid Deposition	Marked
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
Nose		Inflammation	Suppurative, Mild
Ovary		Cyst	
Note: [CYST] TGLs = 2-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Marked
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9386

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Eye
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
	Capsule	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9387

TRT#: 2

SEX: Female

DAY ON TEST: 552

DOSE: CONTROL

DISP: Dead

HISTO: 9392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Thymus	Thyroid Gland	Trachea
Uterus			

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Stomach - Forestomach	Stomach - Glandular	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Hemorrhage	Mild
		Mineralization	Mild
Liver		Leukocytosis	Marked
		Necrosis	Marked
Note: THAT DIAGNOSED EARLIER.			
Note: NECROSIS IN THIS LIVER IS TO BE DIFFERENTIATED FROM			
Lung		Leukocytosis	Marked
Mammary Gland		Adenocarcinoma	

[Adenocarcinoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

Animal Note: THERE IS ALOT OF AUTOLYSIS IN THIS ANIMAL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9388

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Nose	Parathyroid Gland	Skin
Stomach - Forestomach	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Lymphoma Malignant Histiocytic	
		Nephropathy	Chronic, Mild
Liver		Lymphoma Malignant Histiocytic	
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Bronchial	Lymphoma Malignant Histiocytic	
	Mandibular	Lymphoma Malignant Histiocytic	
	Mediastinal	Lymphoma Malignant Histiocytic	
	Pancreatic	Lymphoma Malignant Histiocytic	
	Renal	Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST] TGLs = 6-11			
Note: TGL 6-11 IS PANCREATIC LYMPH NODE.			
Note: [LYMPH MAL HIST] TGLs = 8-3			
Note: [LYMPH MAL HIST] TGLs = 9-12			
Note: [LYMPH MAL HIST] TGLs = 1-7			
Note: [LYMPH MAL HIST] TGLs = 7-5			
Ovary		Cyst	
		Lymphoma Malignant Histiocytic	
Note: [CYST] TGLs = 2-7			
Pancreas		Lymphoma Malignant Histiocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Salivary Glands		Lymphoma Malignant Histiocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9388	TRT#: 2 DOSE: CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 749 HISTO: 11220
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Infarct Lymphoma Malignant Histiocytic	Mild
Note: [LYMPH MAL HIST] TGLs = 5-4			
Stomach	Glandular	Lymphoma Malignant Histiocytic	
Thymus		Lymphoma Malignant Histiocytic	
Thyroid Gland	Follicular Cel	Hyperplasia Inflammation	Mild Suppurative, Mild
Uterus		Dilatation Hemangioma	Marked
	Endometrium	Hyperplasia Lymphoma Malignant Histiocytic	Mild
Note: [DILATATION] TGLs = 3-13			
Note: [HEMANGIOMA] TGLs = 4-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9389

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Mammary Gland
Nose	Pancreas	Stomach - Forestomach	Thyroid Gland
Trachea	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-13			
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
		Nephropathy	Chronic, Mild
		Hepatocellular Adenoma	
Liver			
Note: [HEPATOCLR ADEN] TGLs = 4-11			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Pancreatic	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 5-12			
Ovary		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
Skin		Hemangiosarcoma	
Note: [HEMANGIOSARC] TGLs = 2-10			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9389

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11221

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Epithelium, Glandular	Hyperplasia	Minimal
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalononitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9390

TRT#: 2

SEX: Female

DAY ON TEST: 693

DOSE: CONTROL

DISP: Dead

HISTO: 11222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Bronchial	Mammary Gland	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Moderate
Lung		Hemangiosarcoma	Metastatic (Uterus)
		Hemorrhage	Marked
	Alveolus	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Marked
Nose		Foreign Body	Mild
		Hemorrhage	Marked
	Nasolacrim Dct	Inflammation	Suppurative, Marked
		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Trachea		Hemorrhage	Marked
Note: [HEMORRHAGE] TGLs = 2-2			
Uterus		Hemangiosarcoma	
Note: [HEMANGIOSARC] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9390

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Dead

DAY ON TEST: 693
HISTO: 11222

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: THERE IS ALOT OF AUTOLYSIS IN THIS ANIMAL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9391

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Dead

DAY ON TEST: 615
HISTO: 9647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Heart	Islets, Pancreatic	Kidney	Larynx
Liver	Lymph Node - Mandibular	Mammary Gland	Pancreas
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Uterus

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Lung		Leukocytosis	Marked
Note: [LEUKOCYTOSIS] TGLs = 7-3			
Lymph Node	Bronchial	Lymphoma Malignant	
Nose		Inflammation	Suppurative, Minimal
Ovary		Cyst	
Note: [CYST] TGLs = 2-7			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: [HEMA CELL PROL] TGLs = 1-4			
Stomach	Glandular	Lymphoma Malignant	
Note: THE DIFFERENTIAL DIAGNOSIS ON THE MASS IN THE STOMACH			
Note: [LYMPH MAL] TGLs = 5,6-10			
Note: (GLANDULAR) IS CARCINOID.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9392

TRT#: 2

SEX: Female

DAY ON TEST: 381

DOSE: CONTROL

DISP: Moribund

HISTO: 8048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lung
Pancreas
Stomach - Glandular

Bone
Eye
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Salivary Glands
Thyroid Gland

Bone Marrow
Gallbladder
Intestine Small - Ileum
Larynx
Nose
Spleen
Trachea

Brain
Heart
Intestine Small - Jejunum
Liver
Ovary
Stomach - Forestomach
Urinary Bladder

MISSING

Adrenal Gland - Medulla
Parathyroid Gland

Intestine Large - Cecum
Thymus

Lymph Node - Mandibular
Uterus

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Colon

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Skin Sarcoma

Note: [SARCOMA] TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9393

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Osteosarcoma	Metastatic (Bone)
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone	Vertebra	Osteosarcoma	
Note: [OSTEOSARC] TGLs = 1-10			
Bone Marrow		Myelofibrosis	Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Chronic, Mild
		Osteosarcoma	Metastatic (Bone)
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9394	TRT#: 2 DOSE: CONTROL	SEX: Female DISP: Dead	DAY ON TEST: 263 HISTO: 6656
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lung	Lymph Node - Bronchial
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Intestine Large - Cecum	Lymph Node - Mandibular	Parathyroid Gland	Thyroid Gland
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AUTO PRECLUDES DIAG.

Eye	Gallbladder	Intestine Small - Duodenum
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Hemorrhage	Moderate
Uterus	Endometrium	Hyperplasia	Mild

Note: [HYPERPLASIA] TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9395

TRT#: 2

SEX: Female

DAY ON TEST: 749

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 11224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Pancreas
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Larynx
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Salivary Glands
Thymus

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Spleen
Thyroid Gland

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland
Bone Marrow
Brain
Kidney
Ovary
 Note: [CYST] TGLs = 2-7
Pituitary Gland
 Note: [ADENOMA] TGLs = 3-8
Skin
 Note: [PAPILOMA] TGLs = 1-10
Uterus

Capsule

Pars Distalis

Endometrium

Hyperplasia
Myelofibrosis
Compression
Nephropathy
Cyst

Adenoma

Papilloma

Hyperplasia

Mild
Mild
Moderate
Chronic, Moderate

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9396

TRT#: 2

SEX: Female

DAY ON TEST: 464

DOSE: CONTROL

DISP: Moribund

HISTO: 8653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland	Stomach - Forestomach
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Compression	Mild
Kidney		Nephropathy	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	

Note: [ADENOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9397

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund

DAY ON TEST: 723
HISTO: 11236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Bronchial	Mammary Gland	Ovary
Pancreas	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Leukocytosis	
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: [SQUAM CEL CARC] TGLs = 4-3+10			
Lymph Node	Mandibular	Hematopoietic Cell Proliferation	Marked
	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: [SQUAM CEL CARC] TGLs = 1-11			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Marked
		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Squamous Cell Carcinoma	
Note: [SQUAM CEL CARC] TGLs = 5-12+13+14			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: [HEMA CELL PROL] TGLs = 3-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Dilatation	Marked
	Endometrium	Hyperplasia	Mild
Note: [DILATATION] TGLs = 2-8			
Note: [HYPERPLASIA] TGLs = 2-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9397

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund

DAY ON TEST: 723
HISTO: 11236

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Chlorobenzalmalonitrile (CS)

CAS Number: 2698-41-1

Date Report Requested: 10/23/2014

Time Report Requested: 11:44:11

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9398

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund

DAY ON TEST: 625

HISTO: 9718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Skin
Thymus

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Heart
Intestine Small - Duodenum
Larynx
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Bronchial
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Lymph Node - Mandibular

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland
Brain
Kidney
Liver
Note: [HEPATOCLR CARC] TGLs = 3-12
Lung
Note: [ADENOCARC] TGLs = 4-10
Mammary Gland
Note: [ADENOCARC] TGLs = 1-11
Nose
Ovary
Note: [CYST] TGLs = 2-7
Uterus

Capsule

Nasolacrim Dct

Hyperplasia
Mineralization
Nephropathy
Hepatocellular Carcinoma

Adenocarcinoma
Leukocytosis

Adenocarcinoma

Inflammation
Adenoma
Cyst

Polyp Stromal

Mild
Mild
Chronic, Moderate

Metastatic (Mammary Gland)
Mild

Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9399

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Skin	Stomach - Forestomach	Stomach - Glandular

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Heart		Lymphoma Malignant Undifferentiated Cell Type	
Intestine Large	Colon	Lymphoma Malignant Undifferentiated Cell Type	
	Rectum	Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
		Nephropathy	Chronic, Mild
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Ovary		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Adenoma	
Trachea		Lymphoma Malignant Undifferentiated Cell Type	
Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	
Uterus		Lymphoma Malignant Undifferentiated Cell Type	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9400 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 749
DOSE: CONTROL **DISP:** Terminal Sacrifice **HISTO:** 11226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Myelofibrosis	Moderate
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 7-5			
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Bronchial	Lymphoma Malignant Undifferentiated Cell Type	
	Iliac	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 = 9-11			
Note: [LYMPH MAL UNDF] TGLs = 3-7			
Note: [LYMPH MAL UNDF] TGLs = 8-10			
Note: TGL 8-10 IS HEPATIC LYMPH NODE, THIS IS NOT AVAILABLE			
Note: [LYMPH MAL UNDF] TGLs = 4-3			
Note: AS A SITE.			
Note: [LYMPH MAL UNDF] TGLs = 6-12			
Note: [LYMPH MAL UNDF] TGLs = 5-5			
Nose		Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05096-02
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Chlorobenzalmalononitrile (CS)
CAS Number: 2698-41-1

Date Report Requested: 10/23/2014
Time Report Requested: 11:44:11
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9400

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 749
HISTO: 11226

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary	Lymphoma Malignant Undifferentiated Cell Type
Pancreas	Lymphoma Malignant Undifferentiated Cell Type
Pituitary Gland Note: THE PITUITARY IS WITH THE BRAIN ON SLIDE #1.	
Salivary Glands	Lymphoma Malignant Undifferentiated Cell Type
Spleen Note: [LYMPH MAL UNDF] TGLs = 2-4	Lymphoma Malignant Undifferentiated Cell Type
Thymus	Lymphoma Malignant Undifferentiated Cell Type
Urinary Bladder	Lymphoma Malignant Undifferentiated Cell Type
Uterus	Lymphoma Malignant Undifferentiated Cell Type

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****