

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

**Study Number:** C08004-04  
**Study Gender:** Both  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.3.5

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50860

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50901

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH
NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

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**MISSING**

MAMMARY GLAND

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50869

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	PANCREAS	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

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**MISSING**

MAMMARY GLAND	PARATHYROID GLAND
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**OBSERVATIONS**

KIDNEY	INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50925

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	SEMINAL VESICLE	SKIN
SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTIS	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

KIDNEY	INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL
PROSTATE	INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL
SALIVARY GLANDS	INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50871

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50910

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

KIDNEY	INFARCT	MINIMAL
	INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50898

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH
NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

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**MISSING**

MAMMARY GLAND

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50891

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPINAL CORD	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

KIDNEY	INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL
SPLEEN	EXTRAMEDULLARY HEMATOPOEISIS	INCREASED, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50908

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH
NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

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**MISSING**

MAMMARY GLAND

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 10	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50896

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY INFILTRATION, CELLULAR	MINIMAL MONONUCLEAR CELL, MINIMAL
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50894

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 22	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50924

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 23	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50879

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50878

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 25	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50867

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50870

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50916

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50861

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**TISSUE STATUS**

---

**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50919

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**TISSUE STATUS**

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**MISSING**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50885

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**TISSUE STATUS**

---

**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 31	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50913

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MINIMAL
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50927

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50904

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**TISSUE STATUS**

---

**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 34	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50876

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 35	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50912

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50922

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**TISSUE STATUS**

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**MISSING**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 37	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50868

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MINIMAL
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50902

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 39	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50859

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 40	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50918

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, ILEUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 41	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50905

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, JEJUNUM

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**OBSERVATIONS**  
INTESTINE, SMALL, ILEUM                      EPITHELIUM                      HYPERPLASIA                      MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 42	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50897

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, JEJUNUM

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**OBSERVATIONS**  
INTESTINE, SMALL, ILEUM                      EPITHELIUM                      HYPERPLASIA                      MILD

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 43	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50873

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50875

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 45	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50921

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50866

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50923

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, JEJUNUM

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**OBSERVATIONS**  
INTESTINE, SMALL, ILEUM                      EPITHELIUM                      HYPERPLASIA                      MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 48	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50903

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50911

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50884

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, JEJUNUM

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**MISSING**  
INTESTINE, SMALL, ILEUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50914

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	KIDNEY	LUNG	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
LIVER		INFILTRATION, CELLULAR	MIXED CELL, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 52	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50882

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	KIDNEY	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	PANCREAS	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

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**MISSING**

MAMMARY GLAND	PARATHYROID GLAND
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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 53	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50909

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	KIDNEY	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MINIMAL
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 54	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50933

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON
INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC
KIDNEY	LIVER	LUNG	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

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**MISSING**

GALLBLADDER	MAMMARY GLAND
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**OBSERVATIONS**

ADRENAL GLAND

Tissue Comment: Only one adrenal available for histological evaluation

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MINIMAL
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50892

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	BONE MARROW	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	GALLBLADDER
HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON
INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	ISLETS, PANCREATIC	KIDNEY
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
PANCREAS	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

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**MISSING**

AORTA	MAMMARY GLAND	PARATHYROID GLAND
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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
INTESTINE, SMALL, JEJUNUM	EPITHELIUM	HYPERPLASIA	MILD
SPLEEN		EXTRAMEDULLARY HEMATOPOEISIS	INCREASED, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 56	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50865

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	LIVER	LUNG	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
KIDNEY		INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 57	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50863

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LUNG	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	TRACHEA
URINARY BLADDER			

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**MISSING**

MAMMARY GLAND	THYROID GLAND
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**OBSERVATIONS**

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
LIVER	INFILTRATION, CELLULAR	MIXED CELL, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 58	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50881

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTIS	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MODERATE
KIDNEY		INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL
LIVER		INFILTRATION, CELLULAR	MIXED CELL, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 59	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50930

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	KIDNEY	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 60	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD92
	<b>SELECTION:</b> Core Males		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50932

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	LIVER	LUNG	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

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**MISSING**

MAMMARY GLAND

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
KIDNEY	PELVIS	INFLAMMATION	ACUTE, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 61	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 51006

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
OVARY	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	VAGINA

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**OBSERVATIONS**

ADRENAL GLAND			
Tissue Comment: Only one adrenal gland available on slide review			
LIVER		INFILTRATION, CELLULAR NECROSIS	MIXED CELL, MINIMAL FOCAL, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 62	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50969

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	MUSCLE, THIGH
NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

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**OBSERVATIONS**

KIDNEY	INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL
LIVER	INFILTRATION, CELLULAR	MIXED CELL, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 63	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50945

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL
NOSE	OVARY	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLANDS	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 64	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50946

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

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**OBSERVATIONS**

KIDNEY	INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL
MUSCLE, THIGH	DEGENERATION	MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 65	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50971

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
PANCREAS	SALIVARY GLANDS	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

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**MISSING**

PARATHYROID GLAND	PITUITARY GLAND
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**OBSERVATIONS**

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
	INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL
OVARY	THROMBUS	

Observation Comment: TGL1-15  
[ THROMBUS TGLS = TGL1 ]

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 66	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50957

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL
NOSE	OVARY	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLANDS	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 67	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50966

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL
NOSE	OVARY	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLANDS	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 68	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50983

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
OVARY	PANCREAS	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	VAGINA		

---

**MISSING**

PARATHYROID GLAND

---

**OBSERVATIONS**

KIDNEY	INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL
SPLEEN	EXTRAMEDULLARY HEMATOPOEISIS	INCREASED, MINIMAL

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 69	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50938

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
OVARY	PANCREAS	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

---

**MISSING**

PARATHYROID GLAND

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**OBSERVATIONS**

ADRENAL GLAND

Tissue Comment: Only one adrenal gland present for histopathological evaluation

KIDNEY

INFILTRATION, CELLULAR

MONONUCLEAR CELL, MINIMAL

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 70	<b>TRT#:</b> 1	<b>DOSE:</b> 0 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50968

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
OVARY	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

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**OBSERVATIONS**

LIVER	INFILTRATION, CELLULAR	MIXED CELL, MINIMAL
SPLEEN	EXTRAMEDULLARY HEMATOPOEISIS	INCREASED, MILD

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 81	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 51003

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 82	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50952

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**TISSUE STATUS**

**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50993

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 51005

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 85	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 51002

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 86	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 51008

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 87	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 51007

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 88	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50947

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**TISSUE STATUS**

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<b>Within Normal Limits</b>	
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50943

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 90	<b>TRT#:</b> 3	<b>DOSE:</b> 41.9 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50996

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50975

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 92	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50958

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, JEJUNUM

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**OBSERVATIONS**  
INTESTINE, SMALL, ILEUM                      EPITHELIUM                      HYPERPLASIA                      MINIMAL

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 93	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50987

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**TISSUE STATUS**

---

**Within Normal Limits**  
INTESTINE, SMALL, JEJUNUM

---

**MISSING**  
INTESTINE, SMALL, ILEUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 94	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50941

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50950

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 96	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50935

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 97	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50978

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**TISSUE STATUS**

---

**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 98	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50948

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**TISSUE STATUS**

---

**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

---

<b>ANIMAL ID:</b> 99	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50937

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

---

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 100	<b>TRT#:</b> 4	<b>DOSE:</b> 83.8 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50991

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 101	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50959

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, JEJUNUM

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**OBSERVATIONS**  
INTESTINE, SMALL, ILEUM                      EPITHELIUM                      HYPERPLASIA                      MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 102	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50951

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
INTESTINE, SMALL, JEJUNUM	EPITHELIUM	HYPERPLASIA	MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 103	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50986

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 104	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50998

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 105	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50955

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, JEJUNUM

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**OBSERVATIONS**  
INTESTINE, SMALL, ILEUM                      EPITHELIUM                      HYPERPLASIA                      MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 106	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50977

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, JEJUNUM

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**OBSERVATIONS**  
INTESTINE, SMALL, ILEUM                      EPITHELIUM                      HYPERPLASIA                      MILD

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 107	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50961

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**TISSUE STATUS**

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**Within Normal Limits**  
INTESTINE, SMALL, JEJUNUM

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**OBSERVATIONS**  
INTESTINE, SMALL, ILEUM                      EPITHELIUM                      HYPERPLASIA                      MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 108	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 51004

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 109	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50979

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 110	<b>TRT#:</b> 5	<b>DOSE:</b> 168 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50995

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**TISSUE STATUS**

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**Within Normal Limits**

INTESTINE, SMALL, ILEUM

INTESTINE, SMALL, JEJUNUM

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 111	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50965

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	KIDNEY	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	MUSCLE, THIGH
NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

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**MISSING**

GALLBLADDER

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MINIMAL
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 112	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50942

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
OVARY	PANCREAS	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

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**MISSING**

PARATHYROID GLAND

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 113	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50999

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
ISLETS, PANCREATIC	KIDNEY	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	MUSCLE, THIGH
NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE	OVARY
PANCREAS	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPINAL CORD	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

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**MISSING**

PARATHYROID GLAND

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MODERATE
INTESTINE, SMALL, JEJUNUM	EPITHELIUM	HYPERPLASIA	MILD
SPLEEN		EXTRAMEDULLARY HEMATOPOEISIS	INCREASED, MILD

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 114	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50989

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
OVARY	PANCREAS	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

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**MISSING**

PARATHYROID GLAND

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 115	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50997

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
OVARY	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	TRACHEA	URINARY BLADDER
UTERUS	VAGINA		

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MINIMAL
SPLEEN		EXTRAMEDULLARY HEMATOPOEISIS	INCREASED, MINIMAL
THYROID GLAND	THYMUS	ECTOPIC TISSUE	

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 116	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50964

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
ISLETS, PANCREATIC	LIVER	LUNG	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	VAGINA		

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
INTESTINE, SMALL, JEJUNUM	EPITHELIUM	HYPERPLASIA	MILD
KIDNEY		INFILTRATION, CELLULAR	MONONUCLEAR CELL, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 117	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50981

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
OVARY	PANCREAS	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

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**MISSING**

PARATHYROID GLAND

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MINIMAL
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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 118	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50974

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	MUSCLE, THIGH
NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
NERVE, SCIATIC			

Tissue Comment: No cross section available for evaluation

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 119	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50960

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TRIGEMINAL	NOSE
OVARY	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MILD
SPLEEN		EXTRAMEDULLARY HEMATOPOEISIS	INCREASED, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 120	<b>TRT#:</b> 6	<b>DOSE:</b> 335 mg/L	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD91
	<b>SELECTION:</b> Core Females		<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 50973

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**TISSUE STATUS**

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**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LUNG	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC
NERVE, TRIGEMINAL	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPINAL CORD	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

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**OBSERVATIONS**

INTESTINE, SMALL, ILEUM	EPITHELIUM	HYPERPLASIA	MODERATE
KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
LIVER		INFILTRATION, CELLULAR	MIXED CELL, MINIMAL
SPLEEN		EXTRAMEDULLARY HEMATOPOEISIS	INCREASED, MINIMAL

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**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:56:16  
**Lab:** Battelle

LEGEND

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SD – Study Day

**\*\* END OF REPORT \*\***