

Study Number: C08004-03
Test Type: TOX
Route: Dosing in Water
Species/Strain: Rat/Harlan Sprague Dawley

PA46s: Summary of Gross Pathology

Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 08/04/2021
Time Report Requested: 08:53:29
Lab: Battelle

Study Number: C08004-03
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.2.9
Stat Version: 2021.06.29S

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F1 Male: F1 Core Animals

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Censored						
Early Deaths						
Survivors						
Scheduled Sacrifice, Terminal	10	10	10	10	10	10
Number of Animals Examined	10	10	10	10	10	10
ALIMENTARY SYSTEM						
INTESTINE, LARGE, RECTUM	(10)	(10)	(10)	(10)	(10)	(10)
MASS; PALE				1 (10.0%)		
MASS; TAN				1 (10.0%)		
MASS; WHITE				1 (10.0%)		
LIVER	(10)	(10)	(10)	(10)	(10)	(10)
LOBE, CRANIAL, RIGHT; DEFORMITY					1 (10.0%)	
LOBE, MEDIAN; DEFORMITY	1 (10.0%)					
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
SEMINAL VESICLE	(10)	(10)	(10)	(10)	(10)	(10)
RIGHT; SMALL						1 (10.0%)

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F1 Male: F1 Core Animals

Treatment Groups (mg/L)

0 21.0 41.9 83.8 168 335

HEMATOLYMPHOID SYSTEM

None

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

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F1 Female: F1 Core Animals

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Censored						
Early Deaths						
Survivors						
Scheduled Sacrifice, Terminal	10	10	10	10	10	10
Number of Animals Examined	10	10	10	10	10	10
ALIMENTARY SYSTEM						
INTESTINE, LARGE, RECTUM	(10)	(10)	(10)	(10)	(10)	(10)
NODULE; PALE					1 (10.0%)	
LIVER	(10)	(10)	(10)	(10)	(10)	(10)
LOBE, MEDIAN; DEFORMITY				1 (10.0%)		
CAUDATE LOBE; SMALL; MOTTLED			1 (10.0%)			
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOLYMPHOID SYSTEM						
None						

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F1 Female: F1 Core Animals

Treatment Groups (mg/L)

0 21.0 41.9 83.8 168 335

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

KIDNEY, RIGHT

(10)

(10)

(10)

(10)

(10)

(10)

CYST; CLEAR

1 (10.0%)

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LEGEND

Number of animals examined for each tissue shown in parentheses. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion. The exception to this is if statistical significance is found for a lesion and the control group has no animals with the lesion then a 0 is included for the control group on the table for that lesion.

Number of animals with observation reported with percent incidence in parentheses

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) one-sided tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****