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

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

PA48: Summary of Tissue Concentration
Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 08/20/2021
Time Report Requested: 14:50:52
Lab: Battelle

F1 Male: F1 Biosample Animals

Phase	Dose (mg/L)	0	21	41.9	83.8
PND 118	Plasma Vanadium Concentration (ng/ml)	BD	6.56 ± 0.829 (5)	14.9 ± 1.60 (5)	26.5 ± 3.42 (3)
PND 118	Urine Vanadium Concentration (ng/ml)	0.511 ± 0.201 (5) **	26.0 ± 4.11 (5) **	50.3 ± 6.44 (5) **	105 ± 11.6 (3) **

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

PA48: Summary of Tissue Concentration
Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 08/20/2021
Time Report Requested: 14:50:52
Lab: Battelle

F1 Male: F1 Biosample Animals

Phase	Dose (mg/L)	168	335
PND 118	Plasma Vanadium Concentration (ng/ml)	56.0 ± 6.55 (5)	112 ± 13.1 (5)
PND 118	Urine Vanadium Concentration (ng/ml)	355 ± 53.6 (5) **	1360 ± 223 (5) **

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

PA48: Summary of Tissue Concentration
Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 08/20/2021
Time Report Requested: 14:50:52
Lab: Battelle

F1 Female: F1 Biosample Animals

Phase	Dose (mg/L)	0	21	41.9	83.8
PND 117	Plasma Vanadium Concentration (ng/ml)	0.327 ± 0.180 (5) **	5.56 ± 0.341 (5) **	16.6 ± 2.67 (5) **	37.6 ± 2.85 (4) **
PND 117	Urine Vanadium Concentration (ng/ml)	2.36 ± 0.813 (5) **	17 ± 2.77 (5) **	37.9 ± 8.54 (5) **	71.8 ± 14.0 (4) **

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

PA48: Summary of Tissue Concentration
Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 08/20/2021
Time Report Requested: 14:50:52
Lab: Battelle

F1 Female: F1 Biosample Animals

Phase	Dose (mg/L)	168	335
PND 117	Plasma Vanadium Concentration (ng/ml)	50.3 ± 3.97 (5) **	140 ± 7.95 (5) **
PND 117	Urine Vanadium Concentration (ng/ml)	149 ± 12.0 (5) **	614 ± 29.1 (5) **

LEGEND

Data are displayed as mean ± SEM (N) unless otherwise noted.

PND - Postnatal Day

Values below the limit of detection (LOD) were substituted with 1/2 the LOD value.

When the control group did not have over 20% of its values above the limit of detection, no mean or standard error were calculated; no statistical analysis was done for the endpoint.

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) 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 <= 0.05

** Statistically significant at P <= 0.01

The male data was collected on postnatal days 118 to 120 and for the females on postnatal day 117 to 119.

BD - Group did not have over 20% of its values above the limit of detection.

** END OF REPORT **