

Experiment Number: 05208-03

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:08:39

First Dose M/F: NA / NA

Lab: NA

C Number: C62259

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

Experiment Number: 05208-03

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:08:39

First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g	Bilirubin Direct mg per dL
------------------	---------------------	---------------------------	-----------------	-----------------	--	-------------------------------

Day 91

0 ppm	3.9 ± 0.2	1.3 ± 0.1	481.6 ± 86.8	47.2 ± 16.2	21.8 ± 7.2	0.1 ± 0
1.5 ppm	3.8 ± 0.2	1.3 ± 0.1	452.9 ± 102.2	48.1 ± 19.1	23.6 ± 5.8	0.1 ± 0.1
3 ppm	3.8 ± 0.2	1.4 ± 0.1	468.5 ± 124.1	44.6 ± 14	24.4 ± 6*	0.1 ± 0.1
6 ppm	3.8 ± 0.2	1.4 ± 0.1	428 ± 125.5	43.4 ± 16.3	25 ± 4.5**	0.1 ± 0
12 ppm	3.8 ± 0.2	1.4 ± 0.1	419.9 ± 76.1*	39.6 ± 8.6	31.7 ± 7.3**	0.1 ± 0.1
24 ppm	3.8 ± 0.2	1.5 ± 0.2**	381.6 ± 101.8**	33 ± 6.1**	39.2 ± 13.2**	0.2 ± 0.1**

*p < 0.05

**p < 0.01

NOTE: Table is to include results for each time point samples were analyzed. Similar table is to be included for hematology parameters.

The values used in the calculations are the observations taken at the furthest point in the study for each subject (the greatest number of "days on study"). The "day" displayed is the maximum value of "days on study" across all subjects.

Experiment Number: 05208-03

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:08:39

First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Bilirubin Total mg per dL	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Globulin g per dL	Protein Total g per dL
------------------	------------------------------	------------------	-----------------------------	-----------------------	----------------------	---------------------------

Day 91

0 ppm	0.2 ± 0.1	15.7 ± 3.5	161.7 ± 93.4	0.6 ± 0.1	2.9 ± 0.2	6.8 ± 0.4
1.5 ppm	0.2 ± 0.1	16.1 ± 4.3	171.9 ± 65.4	0.6 ± 0.1	2.9 ± 0.2	6.8 ± 0.4
3 ppm	0.2 ± 0.1	16.9 ± 3.7	192 ± 79.2	0.6 ± 0.1	2.8 ± 0.3	6.7 ± 0.4
6 ppm	0.2 ± 0.1	16.1 ± 4.5	190.7 ± 109.8	0.7 ± 0.1	2.8 ± 0.3	6.6 ± 0.5
12 ppm	0.3 ± 0.1**	16.8 ± 4.1	172.4 ± 74.7	0.7 ± 0.1	2.7 ± 0.2**	6.5 ± 0.3*
24 ppm	0.3 ± 0.1**	17 ± 3.8	155.8 ± 98.3	0.7 ± 0.1**	2.6 ± 0.2**	6.4 ± 0.3**

*p < 0.05

**p < 0.01

NOTE: Table is to include results for each time point samples were analyzed. Similar table is to be included for hematology parameters.

The values used in the calculations are the observations taken at the furthest point in the study for each subject (the greatest number of "days on study"). The "day" displayed is the maximum value of "days on study" across all subjects.

Experiment Number: 05208-03

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:08:39

First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	SDH IU per L
------------------	--------------

Day 91

0 ppm	19.3 ± 7.5
1.5 ppm	20.2 ± 9.6
3 ppm	18.6 ± 4.5
6 ppm	20.5 ± 7.4
12 ppm	20.1 ± 4.4
24 ppm	19.9 ± 5.4

*p < 0.05

**p < 0.01

NOTE: Table is to include results for each time point samples were analyzed. Similar table is to be included for hematology parameters.

The values used in the calculations are the observations taken at the furthest point in the study for each subject (the greatest number of "days on study"). The "day" displayed is the maximum value of "days on study" across all subjects.

FEMALE

Treatment Groups	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g	Bilirubin Direct mg per dL
Day 91						
0 ppm	4.1 ± 0.3	1.5 ± 0.2	448.8 ± 122.2	38.5 ± 8.9	21.1 ± 9.4	0 ± 0
1.5 ppm	4.1 ± 0.3	1.6 ± 0.2	424.9 ± 102.8	39.9 ± 8.1	23.2 ± 9.5	0.1 ± 0
3 ppm	4.1 ± 0.3	1.6 ± 0.3	374.6 ± 45.7**	40.3 ± 12.8	20.8 ± 6.4	0 ± 0
6 ppm	4.1 ± 0.3	1.6 ± 0.2*	364.9 ± 46.9**	37.2 ± 7.6	27.1 ± 16.6	0.1 ± 0**
12 ppm	4.1 ± 0.3	1.7 ± 0.2**	349.6 ± 42.1**	35.1 ± 5.8	24.7 ± 7.4*	0.1 ± 0**
24 ppm	4.1 ± 0.3	1.8 ± 0.3**	332.8 ± 100.1**	34.9 ± 5.6	28.3 ± 8.7**	0.2 ± 0.1**

*p < 0.05

**p < 0.01

NOTE: Table is to include results for each time point samples were analyzed. Similar table is to be included for hematology parameters.

The values used in the calculations are the observations taken at the furthest point in the study for each subject (the greatest number of "days on study"). The "day" displayed is the maximum value of "days on study" across all subjects.

Experiment Number: 05208-03

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:08:39

First Dose M/F: NA / NA

Lab: NA

FEMALE

Treatment Groups	Bilirubin Total mg per dL	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Globulin g per dL	Protein Total g per dL
------------------	---------------------------	---------------	--------------------------	--------------------	-------------------	------------------------

Day 91

0 ppm	0.1 ± 0.1	17.5 ± 3.2	186.2 ± 81.2	0.6 ± 0.1	2.8 ± 0.4	6.8 ± 0.6
1.5 ppm	0.2 ± 0.1*	17.4 ± 3.9	178.8 ± 86.1	0.6 ± 0.1	2.6 ± 0.4	6.7 ± 0.6
3 ppm	0.2 ± 0.1**	18 ± 3.2	171.5 ± 72.1	0.6 ± 0.1	2.7 ± 0.5	6.8 ± 0.6
6 ppm	0.2 ± 0**	16.9 ± 3.5	182.3 ± 129.7	0.6 ± 0.1	2.6 ± 0.3	6.7 ± 0.5
12 ppm	0.3 ± 0.1**	16.6 ± 3.3	189.1 ± 85.8	0.7 ± 0.1	2.5 ± 0.3	6.6 ± 0.5
24 ppm	0.4 ± 0.1**	15.1 ± 2.7	189 ± 94	0.7 ± 0.1	2.3 ± 0.4**	6.4 ± 0.5

*p < 0.05

**p < 0.01

NOTE: Table is to include results for each time point samples were analyzed. Similar table is to be included for hematology parameters.

The values used in the calculations are the observations taken at the furthest point in the study for each subject (the greatest number of "days on study"). The "day" displayed is the maximum value of "days on study" across all subjects.

Experiment Number: 05208-03

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:08:39

First Dose M/F: NA / NA

Lab: NA

FEMALE

Treatment Groups	SDH IU per L
------------------	--------------

Day 91

0 ppm	19.5 ± 2.6
1.5 ppm	19.2 ± 1.8
3 ppm	20.2 ± 3.4
6 ppm	21.1 ± 2.3*
12 ppm	22.4 ± 2.7**
24 ppm	24.2 ± 5.6**

**** END OF REPORT ****

*p < 0.05

**p < 0.01

NOTE: Table is to include results for each time point samples were analyzed. Similar table is to be included for hematology parameters.

The values used in the calculations are the observations taken at the furthest point in the study for each subject (the greatest number of "days on study"). The "day" displayed is the maximum value of "days on study" across all subjects.