

**Experiment Number:** 88003-05

**Species/Strain:** Rat/Fischer 344

**P41: Terminal Sacrifice Clinical Chemistry Data**

**Date Report Requested:** 10/24/2014

**Time Report Requested:** 12:05:32

**First Dose M/F:** NA / NA

**Lab:** NA

**C Number:** C88003

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Treatment Groups	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g	Bilirubin Direct mg per dL	Bilirubin Total mg per dL
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**Day 91**

<b>0 ppm</b>	4.1 ± 0.1	294.9 ± 100.9	41.6 ± 6.1	4.6 ± 3.2	0.5 ± 0.2	0.7 ± 0.2
<b>250 ppm</b>	4.1 ± 0.2	355 ± 101.9	38.6 ± 5.1	7.6 ± 6	0.6 ± 0.2	0.7 ± 0.2
<b>500 ppm</b>	4.1 ± 0.1	405.9 ± 139.4	38 ± 7.6	9.8 ± 7	0.6 ± 0.2	0.7 ± 0.2
<b>750 ppm</b>	4.1 ± 0.2	409.5 ± 133.7	40.1 ± 4.8	8.4 ± 6.6	0.5 ± 0.2	0.7 ± 0.2
<b>1500 ppm</b>	4.1 ± 0.1	457.7 ± 119.7	38.4 ± 4.6	<b>19.9 ± 10.7**</b>	0.4 ± 0.2	0.6 ± 0.2
<b>3000 ppm</b>	<b>3.8 ± 0.2**</b>	367.9 ± 56.4	42.2 ± 10.7	<b>71.6 ± 47.1**</b>	<b>0.3 ± 0.2**</b>	<b>0.5 ± 0.2*</b>

\*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.

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**MALE**

Treatment Groups	BUN mg per dL	Cholesterol mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL	SDH IU per L
<b>Day 91</b>						
<b>0 ppm</b>	22 ± 1.9	90.3 ± 7.3	146.8 ± 100.9	0.7 ± 0.1	6.6 ± 0.3	29.4 ± 7.9
<b>250 ppm</b>	22.2 ± 1.3	88.8 ± 7.8	203.6 ± 392.2	0.7 ± 0.1	6.5 ± 0.4	26.6 ± 4.7
<b>500 ppm</b>	22 ± 1.5	88.9 ± 6.3	117.3 ± 65	0.7 ± 0.1	6.5 ± 0.3	29.1 ± 6.9
<b>750 ppm</b>	22.6 ± 2.2	87.5 ± 6.9	121.5 ± 42.7	0.7 ± 0.1	6.5 ± 0.4	27.1 ± 5.9
<b>1500 ppm</b>	22.3 ± 2	83.2 ± 7.8	134.5 ± 64.9	0.7 ± 0.1	<b>6.3 ± 0.3*</b>	27.6 ± 4.3
<b>3000 ppm</b>	22.1 ± 3.9	87.4 ± 17.6	188.5 ± 157.9	<b>0.6 ± 0.1**</b>	<b>5.6 ± 0.2**</b>	<b>25 ± 9.9*</b>

\*p < 0.05

\*\*p < 0.01

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**MALE**

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Treatment Groups	Triglycerides mg per dL
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**Day 91**

<b>0 ppm</b>	276.5 ± 71
<b>250 ppm</b>	273.6 ± 65.7
<b>500 ppm</b>	267.4 ± 69.5
<b>750 ppm</b>	281.8 ± 67.1
<b>1500 ppm</b>	<b>224.6 ± 70.7*</b>
<b>3000 ppm</b>	<b>115.9 ± 71.4**</b>

\*p < 0.05

\*\*p < 0.01

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## FEMALE

Treatment Groups	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g	Bilirubin Direct mg per dL	Bilirubin Total mg per dL
<b>Day 91</b>						
<b>0 ppm</b>	4.2 ± 0.2	234.7 ± 75	34.3 ± 7.3	12.9 ± 7.9	0.3 ± 0.1	0.5 ± 0.1
<b>250 ppm</b>	4.2 ± 0.2	<b>270.9 ± 92.6*</b>	31.9 ± 5.7	10.8 ± 7.1	0.3 ± 0.1	0.5 ± 0.1
<b>500 ppm</b>	<b>4 ± 0.1*</b>	<b>302 ± 56.8**</b>	31.5 ± 3.2	21.9 ± 8.6	0.3 ± 0.1	0.5 ± 0.1
<b>750 ppm</b>	<b>3.9 ± 0.1**</b>	<b>317.8 ± 76.7**</b>	32.1 ± 4	15.7 ± 9.6	0.3 ± 0.1	0.5 ± 0.1
<b>1500 ppm</b>	<b>3.7 ± 0.2**</b>	<b>330.2 ± 88.9**</b>	<b>38.6 ± 4.3**</b>	<b>51.2 ± 12.2**</b>	0.2 ± 0	0.5 ± 0.1
<b>3000 ppm</b>	<b>3.7 ± 0.2**</b>	<b>312.8 ± 56.8*</b>	<b>66.1 ± 9.9**</b>	<b>214.4 ± 85.4**</b>	0.2 ± 0.1	0.5 ± 0.2

\*p &lt; 0.05

\*\*p &lt; 0.01

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**FEMALE**

Treatment Groups	BUN mg per dL	Cholesterol mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL	SDH IU per L
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**Day 91**

<b>0 ppm</b>	22.1 ± 1.8	111 ± 10.2	167.6 ± 162.3	0.6 ± 0.1	6.4 ± 0.4	23.4 ± 3.6
<b>250 ppm</b>	22.4 ± 1.8	107.5 ± 6.9	121.5 ± 62.6	0.6 ± 0.1	6.3 ± 0.4	22.3 ± 3.4
<b>500 ppm</b>	23.4 ± 2.9	<b>101.8 ± 8.7**</b>	112.9 ± 57.9	0.6 ± 0	<b>6.1 ± 0.3*</b>	22.1 ± 4.2
<b>750 ppm</b>	23.4 ± 2.1	<b>98.8 ± 13.8**</b>	139.8 ± 99.8	0.6 ± 0.1	<b>5.9 ± 0.2**</b>	<b>20.8 ± 2.1*</b>
<b>1500 ppm</b>	23.4 ± 1.7	<b>96.7 ± 15.5**</b>	132.7 ± 69	<b>0.6 ± 0.1**</b>	<b>5.6 ± 0.2**</b>	<b>19.4 ± 3.4**</b>
<b>3000 ppm</b>	<b>25.8 ± 3.3**</b>	<b>85.3 ± 13**</b>	283.9 ± 266.4	<b>0.4 ± 0.1**</b>	<b>5.2 ± 0.3**</b>	<b>18.7 ± 1.9**</b>

\*p < 0.05

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**FEMALE**

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Treatment Groups	Triglycerides mg per dL
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**Day 91**

<b>0 ppm</b>	135.8 ± 47.8
<b>250 ppm</b>	124.8 ± 36.8
<b>500 ppm</b>	115 ± 38.3
<b>750 ppm</b>	122.5 ± 59.2
<b>1500 ppm</b>	<b>88.3 ± 31.2**</b>
<b>3000 ppm</b>	<b>69.3 ± 23.1**</b>

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

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