

**Experiment Number:** 05197-03

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

**P44: Hematology Data**

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

**Time Report Requested:** 18:13:32

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

**Lab:** NA

**C Number:** C62077

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

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**MALE**


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| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0001_03    | 0 ppm    | Week : 13     | 0                | 42.2         | 14.7                | 4.64                         |
| 0002_03    | 0 ppm    | Week : 13     | 0                | 45.7         | 15.1                | 6.12                         |
| 0004_03    | 0 ppm    | Week : 13     | 0                | 44.3         | 15.4                | 5.81                         |
| 0005_03    | 0 ppm    | Week : 13     | 0                | 47.9         | 15.3                | 4.23                         |
| 0007_03    | 0 ppm    | Week : 13     | 0                | 47.5         | 15.6                | 4.56                         |
| 0008_03    | 0 ppm    | Week : 13     | 0                | 45.6         | 14.8                | 3.95                         |
| 0009_03    | 0 ppm    | Week : 13     | 0.05             | 42.8         | 14.5                | 3.14                         |
| 0010_03    | 0 ppm    | Week : 13     | 0                | 42.7         | 14.4                | 3.79                         |
| 0011_03    | 750 ppm  | Week : 13     | 0                | 44.6         | 15.1                | 4.98                         |
| 0012_03    | 750 ppm  | Week : 13     | 0.07             | 45.5         | 15.8                | 5.3                          |
| 0013_03    | 750 ppm  | Week : 13     | 0                | 43.1         | 14.9                | 5.99                         |
| 0014_03    | 750 ppm  | Week : 13     | 0                | 44.1         | 15.5                | 5.67                         |
| 0015_03    | 750 ppm  | Week : 13     | 0.06             | 44.9         | 15.2                | 5.39                         |
| 0016_03    | 750 ppm  | Week : 13     |                  | 42.4         | 14.6                |                              |
| 0017_03    | 750 ppm  | Week : 13     | 0.11             | 48.7         | 15.7                | 3.99                         |
| 0018_03    | 750 ppm  | Week : 13     | 0                | 44.6         | 14.9                | 4.66                         |
| 0019_03    | 750 ppm  | Week : 13     | 0                | 47.4         | 15.5                | 5.47                         |
| 0020_03    | 750 ppm  | Week : 13     | 0.07             | 44.9         | 14.9                | 5.16                         |
| 0021_03    | 1500 ppm | Week : 13     | 0                | 45.3         | 14.8                | 5.77                         |
| 0022_03    | 1500 ppm | Week : 13     | 0                | 45.6         | 15.3                | 3.64                         |
| 0023_03    | 1500 ppm | Week : 13     | 0                | 43.7         | 14.9                | 4.03                         |
| 0024_03    | 1500 ppm | Week : 13     | 0                | 43.1         | 15.3                | 3.98                         |

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**MALE**


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| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0025_03    | 1500 ppm | Week : 13     | 0.11             | 44.5         | 15.2                | 4.1                          |
| 0026_03    | 1500 ppm | Week : 13     | 0                | 42.3         | 14.1                | 3.94                         |
| 0027_03    | 1500 ppm | Week : 13     | 0                | 44.9         | 14.4                | 5.33                         |
| 0028_03    | 1500 ppm | Week : 13     | 0                | 46.4         | 15.3                | 6.67                         |
| 0029_03    | 1500 ppm | Week : 13     | 0.05             | 44.2         | 14.4                | 3.78                         |
| 0030_03    | 1500 ppm | Week : 13     | 0                | 46.6         | 15.3                | 6.42                         |
| 0031_03    | 3000 ppm | Week : 13     | 0                | 45.5         | 14.9                | 8.45                         |
| 0032_03    | 3000 ppm | Week : 13     | 0                | 42.9         | 14.5                | 4.61                         |
| 0033_03    | 3000 ppm | Week : 13     | 0                | 42.8         | 14.5                | 5.01                         |
| 0034_03    | 3000 ppm | Week : 13     | 0.05             | 42.3         | 14.3                | 3.66                         |
| 0035_03    | 3000 ppm | Week : 13     | 0                | 41.1         | 14.1                | 3.42                         |
| 0036_03    | 3000 ppm | Week : 13     | 0                | 43.7         | 14.6                | 5.85                         |
| 0037_03    | 3000 ppm | Week : 13     | 0                | 43.4         | 14.4                | 5.17                         |
| 0038_03    | 3000 ppm | Week : 13     | 0                | 47.9         | 15                  | 3.85                         |
| 0039_03    | 3000 ppm | Week : 13     | 0                | 47.1         | 15                  | 4.66                         |
| 0040_03    | 3000 ppm | Week : 13     | 0                | 44.1         | 14.3                | 4.62                         |
| 0041_03    | 4500 ppm | Week : 13     | 0                | 40.8         | 13.5                | 4.98                         |
| 0042_03    | 4500 ppm | Week : 13     | 0                | 43           | 14.6                | 6.47                         |
| 0043_03    | 4500 ppm | Week : 13     | 0                | 45.2         | 14.8                | 4.56                         |
| 0044_03    | 4500 ppm | Week : 13     | 0                | 39.7         | 13.7                | 6.5                          |
| 0045_03    | 4500 ppm | Week : 13     | 0.11             | 42           | 13.7                | 4.43                         |
| 0046_03    | 4500 ppm | Week : 13     | 0                | 40.7         | 13.7                | 4.14                         |

## MALE

| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0046_03    | 4500 ppm | Week : 13     | 0                | 40.7         | 13.7                | 4.14                         |
| 0047_03    | 4500 ppm | Week : 13     | 0                | 44.5         | 14.2                | 4.33                         |
| 0048_03    | 4500 ppm | Week : 13     | 0                | 43.7         | 14                  | 4.18                         |
| 0049_03    | 4500 ppm | Week : 13     | 0                | 39.8         | 13.5                | 5.32                         |
| 0050_03    | 4500 ppm | Week : 13     | 0                | 44           | 14.1                | 6.16                         |
| 0051_03    | 6000 ppm | Week : 13     | 0                | 44.1         | 14.6                | 5.29                         |
| 0053_03    | 6000 ppm | Week : 13     | 0.15             | 45.2         | 13.7                | 6.42                         |
| 0054_03    | 6000 ppm | Week : 13     | 0                | 43.8         | 14.1                | 4.86                         |
| 0055_03    | 6000 ppm | Week : 13     | 0.06             | 44.1         | 13.9                | 4.57                         |
| 0056_03    | 6000 ppm | Week : 13     | 0                | 42.8         | 13.5                | 4.45                         |
| 0057_03    | 6000 ppm | Week : 13     | 0                | 42.8         | 13.6                | 4.29                         |
| 0058_03    | 6000 ppm | Week : 13     | 0                | 43.9         | 13.7                | 3.68                         |
| 0059_03    | 6000 ppm | Week : 13     | 0.04             | 42.6         | 12.6                | 3.65                         |
| 0060_03    | 6000 ppm | Week : 13     | 0.05             | 41.5         | 13.5                | 3.88                         |
| 0361_03    | 0 ppm    | Week : 1      | 0                | 39.6         | 14.1                | 4.54                         |
| 0362_03    | 0 ppm    | Week : 1      | 0                | 41.6         | 14.4                | 7.3                          |
| 0363_03    | 0 ppm    | Week : 1      | 0                | 44.9         | 14.6                | 7.48                         |
| 0364_03    | 0 ppm    | Week : 1      | 0                | 43.4         | 15                  | 8.65                         |
| 0365_03    | 0 ppm    | Week : 1      | 0.09             | 43.3         | 14                  | 7.39                         |
| 0366_03    | 0 ppm    | Week : 1      | 0                | 46.3         | 14.5                | 8.19                         |
| 0367_03    | 0 ppm    | Week : 1      | 0                | 44.4         | 14.7                | 7.03                         |
| 0368_03    | 0 ppm    | Week : 1      | 0                | 41.4         | 14.2                | 7.48                         |

## MALE

| Animal No. | Dose    | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|---------|---------------|------------------|--------------|---------------------|------------------------------|
| 0369_03    | 0 ppm   | Week : 1      | 0                | 46.2         | 15.1                | 5.77                         |
| 0370_03    | 0 ppm   | Week : 1      | 0                | 39.9         | 13.9                | 5.33                         |
| 0371_03    | 0 ppm   | Week : 3      | 0                | 46.6         | 14.9                | 7.11                         |
| 0373_03    | 0 ppm   | Week : 3      | 0                | 48.9         | 16.1                | 9.11                         |
| 0374_03    | 0 ppm   | Week : 3      | 0                | 43.3         | 14.9                | 7.91                         |
| 0375_03    | 0 ppm   | Week : 3      | 0                | 46.3         | 15                  | 7.14                         |
| 0377_03    | 0 ppm   | Week : 3      | 0                | 45.3         | 15.3                | 6.12                         |
| 0378_03    | 0 ppm   | Week : 3      | 0                | 46.4         | 15.6                | 8.45                         |
| 0379_03    | 0 ppm   | Week : 3      | 0                | 47.5         | 15.4                | 7.57                         |
| 0380_03    | 0 ppm   | Week : 3      | 0.13             | 48.5         | 16                  | 12.1                         |
| 0382_03    | 750 ppm | Week : 1      | 0                | 44.4         | 14.8                | 9.37                         |
| 0383_03    | 750 ppm | Week : 1      | 0                | 44.6         | 14.2                | 6.3                          |
| 0384_03    | 750 ppm | Week : 1      | 0.06             | 41.2         | 14.4                | 5.33                         |
| 0385_03    | 750 ppm | Week : 1      | 0                | 45.1         | 14.7                | 7.83                         |
| 0386_03    | 750 ppm | Week : 1      | 0                | 46.3         | 14.7                | 7.46                         |
| 0387_03    | 750 ppm | Week : 1      | 0                | 44.7         | 14.4                | 7.65                         |
| 0388_03    | 750 ppm | Week : 1      | 0                | 44.6         | 14.2                | 6.64                         |
| 0389_03    | 750 ppm | Week : 1      | 0                | 44.7         | 14.6                | 8.72                         |
| 0390_03    | 750 ppm | Week : 1      | 0.08             | 45.6         | 14.9                | 7.21                         |
| 0391_03    | 750 ppm | Week : 3      | 0                | 46.6         | 15.1                | 7.39                         |
| 0392_03    | 750 ppm | Week : 3      | 0.09             | 45           | 15                  | 7.83                         |
| 0394_03    | 750 ppm | Week : 3      | 0                | 47.4         | 15.8                | 6                            |

## MALE

| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0394_03    | 750 ppm  | Week : 3      | 0                | 47.4         | 15.8                | 6                            |
| 0395_03    | 750 ppm  | Week : 3      | 0                | 44.9         | 14.8                | 8.73                         |
| 0396_03    | 750 ppm  | Week : 3      | 0                | 46.9         | 15.7                | 9.21                         |
| 0397_03    | 750 ppm  | Week : 3      | 0                | 44.1         | 15                  | 10.3                         |
| 0398_03    | 750 ppm  | Week : 3      | 0                | 48.8         | 16.5                | 7.37                         |
| 0399_03    | 750 ppm  | Week : 3      | 0.08             | 47.1         | 15.5                | 7.9                          |
| 0400_03    | 750 ppm  | Week : 3      | 0                | 45.4         | 15.5                | 5.85                         |
| 0401_03    | 1500 ppm | Week : 1      | 0.08             | 35.5         | 11.6                | 6.55                         |
| 0402_03    | 1500 ppm | Week : 1      | 0.16             | 42.3         | 14                  | 6.24                         |
| 0403_03    | 1500 ppm | Week : 1      | 0                | 43.6         | 13.6                | 5.31                         |
| 0404_03    | 1500 ppm | Week : 1      | 0                | 37           | 12.2                | 6.8                          |
| 0405_03    | 1500 ppm | Week : 1      | 0.16             | 47.7         | 14.2                | 6.07                         |
| 0406_03    | 1500 ppm | Week : 1      | 0                | 46.8         | 14.7                | 8.4                          |
| 0407_03    | 1500 ppm | Week : 1      | 0.14             | 43.8         | 13.5                | 4.96                         |
| 0408_03    | 1500 ppm | Week : 1      | 0                | 42.8         | 13.6                | 7.54                         |
| 0409_03    | 1500 ppm | Week : 1      | 0                | 41.7         | 14.2                | 5.46                         |
| 0410_03    | 1500 ppm | Week : 1      | 0                | 36.9         | 12.9                | 6.54                         |
| 0411_03    | 1500 ppm | Week : 3      | 0.09             | 50.1         | 16.1                | 7.92                         |
| 0412_03    | 1500 ppm | Week : 3      | 0                | 47.3         | 15.3                | 7.22                         |
| 0413_03    | 1500 ppm | Week : 3      | 0                | 43           | 14.3                | 6.79                         |
| 0414_03    | 1500 ppm | Week : 3      | 0                | 45.3         | 14.8                | 7.81                         |
| 0415_03    | 1500 ppm | Week : 3      | 0.11             | 46.4         | 15.1                | 8.58                         |

## MALE

| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0416_03    | 1500 ppm | Week : 3      | 0                | 45.6         | 15.4                | 7.22                         |
| 0417_03    | 1500 ppm | Week : 3      | 0.12             | 45.5         | 15                  | 10.49                        |
| 0418_03    | 1500 ppm | Week : 3      | 0                | 44.7         | 14.8                | 9.7                          |
| 0419_03    | 1500 ppm | Week : 3      | 0                | 47.2         | 15.6                | 8.44                         |
| 0420_03    | 1500 ppm | Week : 3      | 0                | 45.7         | 15.1                | 6.54                         |
| 0421_03    | 3000 ppm | Week : 1      | 0                | 39           | 12.8                | 6.58                         |
| 0422_03    | 3000 ppm | Week : 1      | 0.2              | 41           | 12.5                | 7.45                         |
| 0423_03    | 3000 ppm | Week : 1      | 0.11             | 44.4         | 13.4                | 7.81                         |
| 0424_03    | 3000 ppm | Week : 1      | 0.11             | 44.8         | 12.8                | 8.21                         |
| 0425_03    | 3000 ppm | Week : 1      | 0                | 48.6         | 14.5                | 6.39                         |
| 0426_03    | 3000 ppm | Week : 1      | 0                | 37.7         | 12.6                | 8.42                         |
| 0427_03    | 3000 ppm | Week : 1      | 0                | 42.3         | 13.2                | 9.98                         |
| 0428_03    | 3000 ppm | Week : 1      | 0                | 40.2         | 13.4                | 6.73                         |
| 0429_03    | 3000 ppm | Week : 1      | 0.1              | 41.2         | 12.6                | 7                            |
| 0430_03    | 3000 ppm | Week : 1      | 0.11             | 42           | 12.3                | 8.03                         |
| 0431_03    | 3000 ppm | Week : 3      | 0                | 48.2         | 15.2                | 7.29                         |
| 0432_03    | 3000 ppm | Week : 3      | 0                | 45.2         | 15.3                | 6.32                         |
| 0433_03    | 3000 ppm | Week : 3      | 0.07             | 44.1         | 14.6                | 5.68                         |
| 0434_03    | 3000 ppm | Week : 3      | 0                | 47.5         | 15.3                | 7.48                         |
| 0435_03    | 3000 ppm | Week : 3      | 0                | 44.3         | 14.6                | 3.42                         |
| 0436_03    | 3000 ppm | Week : 3      | 0                | 46.4         | 15.2                | 9.02                         |
| 0437_03    | 3000 ppm | Week : 3      | 0                | 47.1         | 15.4                | 8.27                         |

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**MALE**


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| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0437_03    | 3000 ppm | Week : 3      | 0                | 47.1         | 15.4                | 8.27                         |
| 0438_03    | 3000 ppm | Week : 3      | 0.07             | 49.7         | 16.1                | 5.61                         |
| 0439_03    | 3000 ppm | Week : 3      | 0                | 47.2         | 15                  | 7.47                         |
| 0440_03    | 3000 ppm | Week : 3      | 0.19             | 50           | 15.8                | 7.87                         |
| 0441_03    | 4500 ppm | Week : 1      | 0                | 44           | 13.4                | 31.44                        |
| 0442_03    | 4500 ppm | Week : 1      | 0                | 49.5         | 14.4                | 9.88                         |
| 0443_03    | 4500 ppm | Week : 1      | 0                | 45.9         | 14.3                | 9.52                         |
| 0444_03    | 4500 ppm | Week : 1      | 0                | 48.8         | 14.9                | 17.66                        |
| 0445_03    | 4500 ppm | Week : 1      | 0                | 48.4         | 14.4                | 15.98                        |
| 0446_03    | 4500 ppm | Week : 1      | 0.12             | 44.3         | 14                  | 11.04                        |
| 0447_03    | 4500 ppm | Week : 1      | 0                | 45.8         | 14.2                | 7.65                         |
| 0448_03    | 4500 ppm | Week : 1      | 0                | 44.6         | 13.5                | 6.35                         |
| 0449_03    | 4500 ppm | Week : 1      | 0                | 41.7         | 13.2                | 8.7                          |
| 0450_03    | 4500 ppm | Week : 1      | 0.18             | 44.7         | 13.9                | 14.42                        |
| 0451_03    | 4500 ppm | Week : 3      | 0.06             | 47.6         | 15.7                | 5.05                         |
| 0452_03    | 4500 ppm | Week : 3      | 0                | 46.3         | 14.5                | 10.23                        |
| 0453_03    | 4500 ppm | Week : 3      | 0                | 45.4         | 14.5                | 5.62                         |
| 0454_03    | 4500 ppm | Week : 3      | 0                | 46.2         | 14.4                | 6.89                         |
| 0455_03    | 4500 ppm | Week : 3      | 0                | 45.8         | 14.7                | 7.65                         |
| 0456_03    | 4500 ppm | Week : 3      | 0                | 46.3         | 14.8                | 3.98                         |
| 0457_03    | 4500 ppm | Week : 3      | 0                | 46.4         | 15.3                | 7.31                         |
| 0458_03    | 4500 ppm | Week : 3      | 0.11             | 45.1         | 14.6                | 10.25                        |

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**MALE**


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| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0459_03    | 4500 ppm | Week : 3      | 0.12             | 45.6         | 15                  | 10.71                        |
| 0460_03    | 4500 ppm | Week : 3      | 0                | 44.5         | 14.6                | 8.94                         |
| 0461_03    | 6000 ppm | Week : 1      | 0.39             | 46           | 14.8                | 34.92                        |
| 0462_03    | 6000 ppm | Week : 1      | 0                | 47.2         | 13.9                | 14.12                        |
| 0463_03    | 6000 ppm | Week : 1      | 0.36             | 50.9         | 13.8                | 24.98                        |
| 0464_03    | 6000 ppm | Week : 1      | 0                | 45.1         | 14.1                | 13.42                        |
| 0465_03    | 6000 ppm | Week : 1      | 0                | 47.6         | 13.8                | 16.38                        |
| 0466_03    | 6000 ppm | Week : 1      | 0.2              | 47.5         | 13.7                | 16.81                        |
| 0467_03    | 6000 ppm | Week : 1      | 0.28             | 46.5         | 14.2                | 25.28                        |
| 0468_03    | 6000 ppm | Week : 1      | 0                | 41.1         | 12.5                | 38.67                        |
| 0469_03    | 6000 ppm | Week : 1      | 0.11             | 47.6         | 13.7                | 8.93                         |
| 0470_03    | 6000 ppm | Week : 1      | 0                | 44.2         | 14.3                | 23.09                        |
| 0471_03    | 6000 ppm | Week : 3      | 0                | 43.9         | 14.6                | 6.64                         |
| 0472_03    | 6000 ppm | Week : 3      | 0                | 47.3         | 14.8                | 9.05                         |
| 0473_03    | 6000 ppm | Week : 3      | 0                | 43.9         | 14.6                | 7.91                         |
| 0474_03    | 6000 ppm | Week : 3      | 0                | 48.5         | 15.4                | 9.57                         |
| 0475_03    | 6000 ppm | Week : 3      | 0                | 46.2         | 14.6                | 5.89                         |
| 0476_03    | 6000 ppm | Week : 3      | 0                | 52.3         | 15.9                | 4.62                         |
| 0477_03    | 6000 ppm | Week : 3      | 0                | 52.1         | 15.5                | 6.62                         |
| 0478_03    | 6000 ppm | Week : 3      | 0                | 49.6         | 15.6                | 10.03                        |
| 0479_03    | 6000 ppm | Week : 3      | 0.1              | 45.5         | 14.4                | 8.26                         |
| 0480_03    | 6000 ppm | Week : 3      | 0.08             | 50.3         | 15.8                | 6.79                         |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:33

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0480_03    | 6000 ppm | Week : 3      | 0.08             | 50.3         | 15.8                | 6.79                         |

## MALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0001_03    | 0 ppm    | Week : 13     | 18.5                    | 34.8  | 53                         | 0.8                     |
| 0002_03    | 0 ppm    | Week : 13     | 17.3                    | 33  | 53                         | 0.6                     |
| 0004_03    | 0 ppm    | Week : 13     | 18.2                    | 34.8  | 52                         | 0.9                     |
| 0005_03    | 0 ppm    | Week : 13     | 16.8                    | 31.9  | 53                         | 0.6                     |
| 0007_03    | 0 ppm    | Week : 13     | 16.7                    | 32.8  | 51                         | 0.6                     |
| 0008_03    | 0 ppm    | Week : 13     | 16.9                    | 32.4  | 52                         | 1.2                     |
| 0009_03    | 0 ppm    | Week : 13     | 17.5                    | 33.9  | 52                         | 0.2                     |
| 0010_03    | 0 ppm    | Week : 13     | 16.9                    | 33.7  | 50                         | 1.7                     |
| 0011_03    | 750 ppm  | Week : 13     | 17.6                    | 33.9  | 52                         | 0.6                     |
| 0012_03    | 750 ppm  | Week : 13     | 17.5                    | 34.7  | 50                         | 0.6                     |
| 0013_03    | 750 ppm  | Week : 13     | 17.8                    | 34.6  | 52                         | 0.9                     |
| 0014_03    | 750 ppm  | Week : 13     | 17.9                    | 35.1  | 51                         | 0.6                     |
| 0015_03    | 750 ppm  | Week : 13     | 17.4                    | 33.9  | 52                         | 0.6                     |
| 0016_03    | 750 ppm  | Week : 13     | 17.4                    | 34.4  | 51                         | 0.2                     |
| 0017_03    | 750 ppm  | Week : 13     | 16.6                    | 32.2  | 51                         | 0.4                     |
| 0018_03    | 750 ppm  | Week : 13     | 17.3                    | 33.4  | 52                         | 1.4                     |
| 0019_03    | 750 ppm  | Week : 13     | 17.4                    | 32.7  | 53                         | 1.2                     |
| 0020_03    | 750 ppm  | Week : 13     | 17                      | 33.2  | 51                         | 1.2                     |
| 0021_03    | 1500 ppm | Week : 13     | 17.6                    | 32.7  | 54                         | 0.6                     |
| 0022_03    | 1500 ppm | Week : 13     | 16.9                    | 33.5  | 50                         | 0.4                     |
| 0023_03    | 1500 ppm | Week : 13     | 17.4                    | 34.1  | 51                         | 0.4                     |

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**MALE**

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| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0024_03    | 1500 ppm | Week : 13     | 18.6                    | 35.5  | 52                         | 0.6                     |
| 0025_03    | 1500 ppm | Week : 13     | 18.1                    | 34.2  | 53                         | 0.6                     |
| 0026_03    | 1500 ppm | Week : 13     | 17.5                    | 33.3  | 52                         | 1.3                     |
| 0027_03    | 1500 ppm | Week : 13     | 16.5                    | 32.1  | 51                         | 1.6                     |
| 0028_03    | 1500 ppm | Week : 13     | 17.4                    | 33  | 53                         | 1.4                     |
| 0029_03    | 1500 ppm | Week : 13     | 17.2                    | 32.6  | 53                         | 0.9                     |
| 0030_03    | 1500 ppm | Week : 13     | 17.6                    | 32.8  | 54                         | 1.4                     |
| 0031_03    | 3000 ppm | Week : 13     | 18                      | 32.7  | 55                         | 0.6                     |
| 0032_03    | 3000 ppm | Week : 13     | 18                      | 33.8  | 53                         | 0.4                     |
| 0033_03    | 3000 ppm | Week : 13     | 18.5                    | 33.9  | 55                         | 0.4                     |
| 0034_03    | 3000 ppm | Week : 13     | 18.4                    | 33.8  | 55                         | 0.2                     |
| 0035_03    | 3000 ppm | Week : 13     | 18.5                    | 34.3  | 54                         | 0.1                     |
| 0036_03    | 3000 ppm | Week : 13     | 17.8                    | 33.4  | 53                         | 0.4                     |
| 0037_03    | 3000 ppm | Week : 13     | 18.3                    | 33.2  | 55                         | 1.8                     |
| 0038_03    | 3000 ppm | Week : 13     | 17.2                    | 31.3  | 55                         | 0.2                     |
| 0039_03    | 3000 ppm | Week : 13     | 17.1                    | 31.8  | 54                         | 0.4                     |
| 0040_03    | 3000 ppm | Week : 13     | 17.8                    | 32.4  | 55                         | 1.8                     |
| 0041_03    | 4500 ppm | Week : 13     | 18.7                    | 33.1  | 57                         | 0.4                     |
| 0042_03    | 4500 ppm | Week : 13     | 20.1                    | 33.9  | 59                         | 0.2                     |
| 0043_03    | 4500 ppm | Week : 13     | 18.5                    | 32.7  | 57                         | 0.6                     |
| 0044_03    | 4500 ppm | Week : 13     | 20.1                    | 34.5  | 58                         | 0.7                     |

## MALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0045_03    | 4500 ppm | Week : 13     | 18.8                    | 32.6  | 58                         | 0.4                     |
| 0046_03    | 4500 ppm | Week : 13     | 18.6                    | 33.7  | 55                         | 1.8                     |
| 0047_03    | 4500 ppm | Week : 13     | 18                      | 31.9  | 56                         | 2.6                     |
| 0048_03    | 4500 ppm | Week : 13     | 17.7                    | 32  | 55                         | 0.5                     |
| 0049_03    | 4500 ppm | Week : 13     | 18.7                    | 33.9  | 55                         | 0.4                     |
| 0050_03    | 4500 ppm | Week : 13     | 18.1                    | 32  | 57                         | 1.3                     |
| 0051_03    | 6000 ppm | Week : 13     | 19.2                    | 33.1  | 58                         | 0.2                     |
| 0053_03    | 6000 ppm | Week : 13     | 20.6                    | 30.3  | 68                         | 0.4                     |
| 0054_03    | 6000 ppm | Week : 13     | 19.7                    | 32.2  | 61                         | 0.8                     |
| 0055_03    | 6000 ppm | Week : 13     | 18.6                    | 31.5  | 59                         | 0.4                     |
| 0056_03    | 6000 ppm | Week : 13     | 18.4                    | 31.5  | 58                         | 0.9                     |
| 0057_03    | 6000 ppm | Week : 13     | 18.4                    | 31.8  | 58                         | 0.5                     |
| 0058_03    | 6000 ppm | Week : 13     | 18.4                    | 31.2  | 59                         | 0.4                     |
| 0059_03    | 6000 ppm | Week : 13     | 19                      | 29.6  | 64                         | 1.2                     |
| 0060_03    | 6000 ppm | Week : 13     | 19.4                    | 32.5  | 60                         | 1.6                     |
| 0361_03    | 0 ppm    | Week : 1      | 20.8                    | 35.6  | 58                         | 1.2                     |
| 0362_03    | 0 ppm    | Week : 1      | 20.7                    | 34.6  | 60                         | 0.7                     |
| 0363_03    | 0 ppm    | Week : 1      | 19.9                    | 32.5  | 61                         | 1.4                     |
| 0364_03    | 0 ppm    | Week : 1      | 20.1                    | 34.6  | 58                         | 1.5                     |
| 0365_03    | 0 ppm    | Week : 1      | 19.3                    | 32.3  | 60                         | 0.5                     |
| 0366_03    | 0 ppm    | Week : 1      | 18.6                    | 31.3  | 60                         | 0.4                     |

## MALE

| Animal No. | Dose    | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|---------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0367_03    | 0 ppm   | Week : 1      | 19.6                    | 33.1  | 59                         | 0.7                     |
| 0368_03    | 0 ppm   | Week : 1      | 20.1                    | 34.3  | 59                         | 0.4                     |
| 0369_03    | 0 ppm   | Week : 1      | 19.2                    | 32.7  | 59                         | 2.2                     |
| 0370_03    | 0 ppm   | Week : 1      | 21.1                    | 34.8  | 61                         | 1.4                     |
| 0371_03    | 0 ppm   | Week : 3      | 18.1                    | 32  | 56                         | 0.7                     |
| 0373_03    | 0 ppm   | Week : 3      | 18.5                    | 32.9  | 56                         | 0.4                     |
| 0374_03    | 0 ppm   | Week : 3      | 20.2                    | 34.4  | 59                         | 1.4                     |
| 0375_03    | 0 ppm   | Week : 3      | 18.3                    | 32.4  | 57                         | 1.4                     |
| 0377_03    | 0 ppm   | Week : 3      | 18.3                    | 33.8  | 54                         | 0.4                     |
| 0378_03    | 0 ppm   | Week : 3      | 18.9                    | 33.6  | 56                         | 0.6                     |
| 0379_03    | 0 ppm   | Week : 3      | 18.2                    | 32.4  | 56                         | 1.2                     |
| 0380_03    | 0 ppm   | Week : 3      | 19.3                    | 33  | 58                         | 1.9                     |
| 0382_03    | 750 ppm | Week : 1      | 20.4                    | 33.3  | 61                         | 0.6                     |
| 0383_03    | 750 ppm | Week : 1      | 19.3                    | 31.8  | 61                         | 1.1                     |
| 0384_03    | 750 ppm | Week : 1      | 20.6                    | 34.9  | 59                         | 0.9                     |
| 0385_03    | 750 ppm | Week : 1      | 19.5                    | 32.6  | 60                         | 1.1                     |
| 0386_03    | 750 ppm | Week : 1      | 18.4                    | 31.7  | 58                         | 2                       |
| 0387_03    | 750 ppm | Week : 1      | 19.6                    | 32.2  | 61                         | 0.9                     |
| 0388_03    | 750 ppm | Week : 1      | 19.7                    | 31.8  | 62                         | 0.9                     |
| 0389_03    | 750 ppm | Week : 1      | 19.8                    | 32.7  | 61                         | 0.4                     |
| 0390_03    | 750 ppm | Week : 1      | 19.7                    | 32.7  | 60                         | 1.3                     |

## MALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0391_03    | 750 ppm  | Week : 3      | 18.5                    | 32.4  | 57                         | 1.4                     |
| 0392_03    | 750 ppm  | Week : 3      | 19.1                    | 33.3  | 57                         | 0.6                     |
| 0394_03    | 750 ppm  | Week : 3      | 19.4                    | 33.3  | 58                         | 0.6                     |
| 0395_03    | 750 ppm  | Week : 3      | 19.2                    | 33  | 58                         | 1.2                     |
| 0396_03    | 750 ppm  | Week : 3      | 19.2                    | 33.5  | 57                         | 1.1                     |
| 0397_03    | 750 ppm  | Week : 3      | 19.3                    | 34  | 57                         | 1.6                     |
| 0398_03    | 750 ppm  | Week : 3      | 19.1                    | 33.8  | 56                         | 1                       |
| 0399_03    | 750 ppm  | Week : 3      | 18.7                    | 32.9  | 57                         | 1.3                     |
| 0400_03    | 750 ppm  | Week : 3      | 19.6                    | 34.1  | 58                         | 1.1                     |
| 0401_03    | 1500 ppm | Week : 1      | 20.6                    | 32.7  | 63                         | 1.7                     |
| 0402_03    | 1500 ppm | Week : 1      | 20.5                    | 33.1  | 62                         | 1.2                     |
| 0403_03    | 1500 ppm | Week : 1      | 19.3                    | 31.2  | 62                         | 0.7                     |
| 0404_03    | 1500 ppm | Week : 1      | 20.2                    | 33  | 61                         | 0.6                     |
| 0405_03    | 1500 ppm | Week : 1      | 19.9                    | 29.8  | 67                         | 1.1                     |
| 0406_03    | 1500 ppm | Week : 1      | 20.4                    | 31.4  | 65                         | 1.8                     |
| 0407_03    | 1500 ppm | Week : 1      | 20.2                    | 30.8  | 66                         | 1.7                     |
| 0408_03    | 1500 ppm | Week : 1      | 19.4                    | 31.8  | 61                         | 1                       |
| 0409_03    | 1500 ppm | Week : 1      | 21.1                    | 34  | 62                         | 1.2                     |
| 0410_03    | 1500 ppm | Week : 1      | 21.4                    | 34.9  | 61                         | 1.5                     |
| 0411_03    | 1500 ppm | Week : 3      | 18.7                    | 32.1  | 58                         | 1.1                     |
| 0412_03    | 1500 ppm | Week : 3      | 19.1                    | 32.3  | 59                         | 0.6                     |

## MALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0413_03    | 1500 ppm | Week : 3      | 20.2                    | 33.3  | 61                         | 2.1                     |
| 0414_03    | 1500 ppm | Week : 3      | 19.2                    | 32.7  | 59                         | 1                       |
| 0415_03    | 1500 ppm | Week : 3      | 19.3                    | 32.5  | 59                         | 0.6                     |
| 0416_03    | 1500 ppm | Week : 3      | 19.2                    | 33.8  | 57                         | 1                       |
| 0417_03    | 1500 ppm | Week : 3      | 19.2                    | 33  | 58                         | 1.4                     |
| 0418_03    | 1500 ppm | Week : 3      | 19.6                    | 33.1  | 59                         | 1.5                     |
| 0419_03    | 1500 ppm | Week : 3      | 19.2                    | 33  | 58                         | 1.3                     |
| 0420_03    | 1500 ppm | Week : 3      | 18.5                    | 33  | 56                         | 2.2                     |
| 0421_03    | 3000 ppm | Week : 1      | 22.6                    | 32.8  | 69                         | 0.5                     |
| 0422_03    | 3000 ppm | Week : 1      | 20.6                    | 30.5  | 68                         | 0.8                     |
| 0423_03    | 3000 ppm | Week : 1      | 19.8                    | 30.2  | 66                         | 1.3                     |
| 0424_03    | 3000 ppm | Week : 1      | 20.6                    | 28.6  | 72                         | 1.6                     |
| 0425_03    | 3000 ppm | Week : 1      | 20                      | 29.8  | 67                         |                         |
| 0426_03    | 3000 ppm | Week : 1      | 22.4                    | 33.4  | 67                         | 1.1                     |
| 0427_03    | 3000 ppm | Week : 1      | 21.7                    | 31.2  | 70                         | 1                       |
| 0428_03    | 3000 ppm | Week : 1      | 21.6                    | 33.3  | 65                         | 2                       |
| 0429_03    | 3000 ppm | Week : 1      | 21                      | 30.6  | 69                         | 1.1                     |
| 0430_03    | 3000 ppm | Week : 1      | 20.3                    | 29.3  | 69                         | 1                       |
| 0431_03    | 3000 ppm | Week : 3      | 19.5                    | 31.5  | 62                         | 0.7                     |
| 0432_03    | 3000 ppm | Week : 3      | 20.1                    | 33.8  | 59                         | 2.9                     |
| 0433_03    | 3000 ppm | Week : 3      | 19.5                    | 33.1  | 59                         | 0.9                     |

## MALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0434_03    | 3000 ppm | Week : 3      | 18.5                    | 32.2  | 57                         | 2.3                     |
| 0435_03    | 3000 ppm | Week : 3      | 19.7                    | 32.9  | 60                         | 0.6                     |
| 0436_03    | 3000 ppm | Week : 3      | 19.6                    | 32.8  | 60                         | 1.2                     |
| 0437_03    | 3000 ppm | Week : 3      | 19.4                    | 32.7  | 59                         | 1.8                     |
| 0438_03    | 3000 ppm | Week : 3      | 19.7                    | 32.4  | 61                         | 0.8                     |
| 0439_03    | 3000 ppm | Week : 3      | 20.1                    | 31.8  | 63                         | 1.4                     |
| 0440_03    | 3000 ppm | Week : 3      | 19.2                    | 31.6  | 61                         | 1.5                     |
| 0441_03    | 4500 ppm | Week : 1      | 22.3                    | 30.4  | 73                         | 1.8                     |
| 0442_03    | 4500 ppm | Week : 1      | 19.9                    | 29.1  | 68                         | 0.9                     |
| 0443_03    | 4500 ppm | Week : 1      | 21.4                    | 31.2  | 69                         | 1                       |
| 0444_03    | 4500 ppm | Week : 1      | 21.4                    | 30.5  | 70                         | 0.7                     |
| 0445_03    | 4500 ppm | Week : 1      | 21.1                    | 29.7  | 71                         | 1                       |
| 0446_03    | 4500 ppm | Week : 1      | 20.8                    | 31.6  | 66                         | 1                       |
| 0447_03    | 4500 ppm | Week : 1      | 21.3                    | 31  | 69                         | 1                       |
| 0448_03    | 4500 ppm | Week : 1      | 20.2                    | 30.3  | 67                         | 1.7                     |
| 0449_03    | 4500 ppm | Week : 1      | 21.9                    | 31.7  | 69                         | 1.6                     |
| 0450_03    | 4500 ppm | Week : 1      | 21.1                    | 31.1  | 68                         | 1.7                     |
| 0451_03    | 4500 ppm | Week : 3      | 20                      | 33  | 61                         | 0.2                     |
| 0452_03    | 4500 ppm | Week : 3      | 19.6                    | 31.3  | 63                         | 1.7                     |
| 0453_03    | 4500 ppm | Week : 3      | 20.4                    | 31.9  | 64                         | 0.4                     |
| 0454_03    | 4500 ppm | Week : 3      | 19.7                    | 31.2  | 63                         | 0.8                     |

## MALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0455_03    | 4500 ppm | Week : 3      | 20                      | 32.1  | 62                         | 0.6                     |
| 0456_03    | 4500 ppm | Week : 3      | 19.7                    | 32  | 62                         | 0.8                     |
| 0457_03    | 4500 ppm | Week : 3      | 19.6                    | 33  | 59                         | 0.4                     |
| 0458_03    | 4500 ppm | Week : 3      | 20.6                    | 32.4  | 64                         | 1                       |
| 0459_03    | 4500 ppm | Week : 3      | 20.6                    | 32.9  | 63                         | 0.6                     |
| 0460_03    | 4500 ppm | Week : 3      | 20.3                    | 32.8  | 62                         | 1.8                     |
| 0461_03    | 6000 ppm | Week : 1      | 24                      | 32.2  | 75                         | 0.9                     |
| 0462_03    | 6000 ppm | Week : 1      | 21.3                    | 29.4  | 72                         | 0.7                     |
| 0463_03    | 6000 ppm | Week : 1      | 23.4                    | 27.1  | 86                         | 1.5                     |
| 0464_03    | 6000 ppm | Week : 1      | 22.7                    | 31.3  | 73                         | 1                       |
| 0465_03    | 6000 ppm | Week : 1      | 22.1                    | 29  | 76                         | 1.5                     |
| 0466_03    | 6000 ppm | Week : 1      | 21.8                    | 28.8  | 76                         | 0.7                     |
| 0467_03    | 6000 ppm | Week : 1      | 21.9                    | 30.5  | 72                         | 2.1                     |
| 0468_03    | 6000 ppm | Week : 1      | 23.6                    | 30.4  | 78                         | 0.6                     |
| 0469_03    | 6000 ppm | Week : 1      | 22                      | 28.8  | 76                         | 0.8                     |
| 0470_03    | 6000 ppm | Week : 1      | 22.3                    | 32.3  | 69                         | 1.5                     |
| 0471_03    | 6000 ppm | Week : 3      | 21.8                    | 33.3  | 66                         | 2.3                     |
| 0472_03    | 6000 ppm | Week : 3      | 20.2                    | 31.3  | 65                         | 2.4                     |
| 0473_03    | 6000 ppm | Week : 3      | 20.9                    | 33.3  | 63                         | 0.8                     |
| 0474_03    | 6000 ppm | Week : 3      | 19.8                    | 31.8  | 62                         | 0.8                     |
| 0475_03    | 6000 ppm | Week : 3      | 20.2                    | 31.6  | 64                         | 0.2                     |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P44: Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:33

First Dose M/F: NA / NA

Lab: NA

**MALE**

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0476_03    | 6000 ppm | Week : 3      | 19.6                    | 30.4  | 64                         | 0.6                     |
| 0477_03    | 6000 ppm | Week : 3      | 19.7                    | 29.7  | 66                         | 0.5                     |
| 0478_03    | 6000 ppm | Week : 3      | 20.5                    | 31.4  | 65                         | 1.3                     |
| 0479_03    | 6000 ppm | Week : 3      | 20.6                    | 31.6  | 65                         | 1.5                     |
| 0480_03    | 6000 ppm | Week : 3      | 20.1                    | 31.4  | 64                         | 1                       |

## MALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0001_03    | 0 ppm    | Week : 13     | 0.06                          | 0                                     | 652                           | 7.96                                      |
| 0002_03    | 0 ppm    | Week : 13     | 0                             | 0                                     | 648                           | 8.7                                       |
| 0004_03    | 0 ppm    | Week : 13     | 0.14                          | 0                                     | 667                           | 8.48                                      |
| 0005_03    | 0 ppm    | Week : 13     | 0                             | 0                                     | 658                           | 9.08                                      |
| 0007_03    | 0 ppm    | Week : 13     | 0                             | 0                                     | 636                           | 9.31                                      |
| 0008_03    | 0 ppm    | Week : 13     | 0                             | 0                                     | 618                           | 8.75                                      |
| 0009_03    | 0 ppm    | Week : 13     | 0.1                           | 0                                     | 675                           | 8.27                                      |
| 0010_03    | 0 ppm    | Week : 13     | 0                             | 0                                     | 631                           | 8.54                                      |
| 0011_03    | 750 ppm  | Week : 13     | 0.06                          | 0                                     | 636                           | 8.59                                      |
| 0012_03    | 750 ppm  | Week : 13     | 0                             | 0                                     | 674                           | 9.04                                      |
| 0013_03    | 750 ppm  | Week : 13     | 0.07                          | 0                                     | 588                           | 8.35                                      |
| 0014_03    | 750 ppm  | Week : 13     | 0                             | 0                                     | 645                           | 8.66                                      |
| 0015_03    | 750 ppm  | Week : 13     | 0.06                          | 0                                     | 645                           | 8.71                                      |
| 0016_03    | 750 ppm  | Week : 13     |                               |                                       | 650                           | 8.37                                      |
| 0017_03    | 750 ppm  | Week : 13     | 0                             | 0                                     | 551                           | 9.46                                      |
| 0018_03    | 750 ppm  | Week : 13     | 0                             | 0                                     | 644                           | 8.6                                       |
| 0019_03    | 750 ppm  | Week : 13     | 0                             | 0                                     | 681                           | 8.9                                       |
| 0020_03    | 750 ppm  | Week : 13     | 0                             | 0                                     | 629                           | 8.74                                      |
| 0021_03    | 1500 ppm | Week : 13     | 0.23                          | 0                                     | 576                           | 8.43                                      |
| 0022_03    | 1500 ppm | Week : 13     | 0.05                          |                                       | 683                           | 9.06                                      |
| 0023_03    | 1500 ppm | Week : 13     | 0                             | 0                                     | 590                           | 8.57                                      |
| 0024_03    | 1500 ppm | Week : 13     | 0.1                           | 0                                     | 653                           | 8.21                                      |

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**MALE**


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| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0025_03    | 1500 ppm | Week : 13     | 0.06                          | 0                                     | 610                           | 8.4                                       |
| 0026_03    | 1500 ppm | Week : 13     | 0.05                          | 0                                     | 648                           | 8.06                                      |
| 0027_03    | 1500 ppm | Week : 13     | 0                             | 0                                     | 578                           | 8.72                                      |
| 0028_03    | 1500 ppm | Week : 13     | 0                             | 0                                     | 583                           | 8.8                                       |
| 0029_03    | 1500 ppm | Week : 13     | 0                             | 0.05                                  | 639                           | 8.39                                      |
| 0030_03    | 1500 ppm | Week : 13     | 0                             | 0                                     | 603                           | 8.71                                      |
| 0031_03    | 3000 ppm | Week : 13     | 0                             | 0                                     | 646                           | 8.29                                      |
| 0032_03    | 3000 ppm | Week : 13     | 0.26                          | 0                                     | 622                           | 8.05                                      |
| 0033_03    | 3000 ppm | Week : 13     | 0                             | 0                                     | 604                           | 7.84                                      |
| 0034_03    | 3000 ppm | Week : 13     | 0.11                          | 0                                     | 619                           | 7.75                                      |
| 0035_03    | 3000 ppm | Week : 13     | 0.05                          | 0                                     | 561                           | 7.62                                      |
| 0036_03    | 3000 ppm | Week : 13     | 0                             | 0                                     | 655                           | 8.21                                      |
| 0037_03    | 3000 ppm | Week : 13     | 0                             | 0.06                                  | 582                           | 7.88                                      |
| 0038_03    | 3000 ppm | Week : 13     | 0.05                          | 0.06                                  | 623                           | 8.72                                      |
| 0039_03    | 3000 ppm | Week : 13     | 0                             | 0                                     | 656                           | 8.76                                      |
| 0040_03    | 3000 ppm | Week : 13     | 0.06                          | 0                                     | 666                           | 8.01                                      |
| 0041_03    | 4500 ppm | Week : 13     | 0                             | 0                                     | 587                           | 7.22                                      |
| 0042_03    | 4500 ppm | Week : 13     | 0.08                          | 0                                     | 556                           | 7.26                                      |
| 0043_03    | 4500 ppm | Week : 13     | 0.08                          | 0                                     | 574                           | 7.98                                      |
| 0044_03    | 4500 ppm | Week : 13     | 0                             | 0                                     | 575                           | 6.82                                      |
| 0045_03    | 4500 ppm | Week : 13     | 0                             | 0                                     | 599                           | 7.3                                       |
| 0046_03    | 4500 ppm | Week : 13     | 0                             | 0                                     | 624                           | 7.38                                      |

## MALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0046_03    | 4500 ppm | Week : 13     | 0                             | 0                                     | 624                           | 7.38                                      |
| 0047_03    | 4500 ppm | Week : 13     | 0.06                          | 0                                     | 506                           | 7.9                                       |
| 0048_03    | 4500 ppm | Week : 13     | 0                             | 0                                     | 572                           | 7.93                                      |
| 0049_03    | 4500 ppm | Week : 13     | 0.15                          | 0                                     | 641                           | 7.22                                      |
| 0050_03    | 4500 ppm | Week : 13     | 0                             | 0                                     | 718                           | 7.78                                      |
| 0051_03    | 6000 ppm | Week : 13     | 0.06                          | 0                                     | 565                           | 7.59                                      |
| 0053_03    | 6000 ppm | Week : 13     | 0                             | 0                                     | 518                           | 6.64                                      |
| 0054_03    | 6000 ppm | Week : 13     | 0.06                          | 0                                     | 525                           | 7.17                                      |
| 0055_03    | 6000 ppm | Week : 13     | 0.3                           | 0                                     | 594                           | 7.49                                      |
| 0056_03    | 6000 ppm | Week : 13     | 0                             | 0.05                                  | 628                           | 7.35                                      |
| 0057_03    | 6000 ppm | Week : 13     | 0                             | 0                                     | 657                           | 7.38                                      |
| 0058_03    | 6000 ppm | Week : 13     | 0                             | 0.05                                  | 675                           | 7.44                                      |
| 0059_03    | 6000 ppm | Week : 13     | 0.04                          | 0.13                                  | 613                           | 6.64                                      |
| 0060_03    | 6000 ppm | Week : 13     | 0                             | 0.1                                   | 650                           | 6.96                                      |
| 0361_03    | 0 ppm    | Week : 1      | 0.07                          | 0                                     |                               | 6.77                                      |
| 0362_03    | 0 ppm    | Week : 1      | 0.08                          | 0.08                                  |                               | 6.96                                      |
| 0363_03    | 0 ppm    | Week : 1      | 0.09                          | 0.09                                  |                               | 7.34                                      |
| 0364_03    | 0 ppm    | Week : 1      | 0                             | 0.1                                   |                               | 7.47                                      |
| 0365_03    | 0 ppm    | Week : 1      | 0.35                          | 0.09                                  |                               | 7.25                                      |
| 0366_03    | 0 ppm    | Week : 1      | 0.09                          | 0.09                                  |                               | 7.78                                      |
| 0367_03    | 0 ppm    | Week : 1      | 0.36                          | 0                                     |                               | 7.48                                      |
| 0368_03    | 0 ppm    | Week : 1      | 0.08                          | 0                                     |                               | 7.06                                      |

## MALE

| Animal No. | Dose    | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|---------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0369_03    | 0 ppm   | Week : 1      | 0.07                          | 0.07                                  |                               | 7.85                                      |
| 0370_03    | 0 ppm   | Week : 1      | 0.15                          | 0                                     |                               | 6.59                                      |
| 0371_03    | 0 ppm   | Week : 3      | 0.24                          | 0                                     | 783                           | 8.25                                      |
| 0373_03    | 0 ppm   | Week : 3      | 0                             | 0.1                                   | 763                           | 8.69                                      |
| 0374_03    | 0 ppm   | Week : 3      | 0.09                          | 0                                     | 866                           | 7.37                                      |
| 0375_03    | 0 ppm   | Week : 3      | 0.17                          | 0                                     | 798                           | 8.19                                      |
| 0377_03    | 0 ppm   | Week : 3      | 0.14                          | 0                                     | 831                           | 8.37                                      |
| 0378_03    | 0 ppm   | Week : 3      | 0.28                          | 0                                     | 841                           | 8.24                                      |
| 0379_03    | 0 ppm   | Week : 3      | 0                             | 0                                     | 881                           | 8.45                                      |
| 0380_03    | 0 ppm   | Week : 3      | 0                             | 0                                     | 890                           | 8.31                                      |
| 0382_03    | 750 ppm | Week : 1      | 0.1                           | 0                                     |                               | 7.25                                      |
| 0383_03    | 750 ppm | Week : 1      | 0                             | 0                                     |                               | 7.36                                      |
| 0384_03    | 750 ppm | Week : 1      | 0.13                          | 0.07                                  |                               | 7   |
| 0385_03    | 750 ppm | Week : 1      | 0                             | 0                                     |                               | 7.53                                      |
| 0386_03    | 750 ppm | Week : 1      | 0                             | 0.09                                  |                               | 7.98                                      |
| 0387_03    | 750 ppm | Week : 1      | 0.36                          | 0.09                                  |                               | 7.33                                      |
| 0388_03    | 750 ppm | Week : 1      | 0.07                          | 0.29                                  |                               | 7.22                                      |
| 0389_03    | 750 ppm | Week : 1      | 0.22                          | 0                                     |                               | 7.36                                      |
| 0390_03    | 750 ppm | Week : 1      | 0.16                          | 0                                     |                               | 7.57                                      |
| 0391_03    | 750 ppm | Week : 3      | 0.18                          | 0.09                                  | 831                           | 8.15                                      |
| 0392_03    | 750 ppm | Week : 3      | 0                             | 0                                     | 846                           | 7.86                                      |
| 0394_03    | 750 ppm | Week : 3      | 0.21                          | 0                                     | 771                           | 8.13                                      |

## MALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0394_03    | 750 ppm  | Week : 3      | 0.21                          | 0                                     | 771                           | 8.13                                      |
| 0395_03    | 750 ppm  | Week : 3      | 0.1                           | 0.1                                   | 826                           | 7.69                                      |
| 0396_03    | 750 ppm  | Week : 3      | 0.1                           | 0                                     | 784                           | 8.19                                      |
| 0397_03    | 750 ppm  | Week : 3      | 0.22                          | 0                                     | 803                           | 7.79                                      |
| 0398_03    | 750 ppm  | Week : 3      | 0.16                          | 0                                     | 929                           | 8.64                                      |
| 0399_03    | 750 ppm  | Week : 3      | 0                             | 0                                     | 806                           | 8.29                                      |
| 0400_03    | 750 ppm  | Week : 3      | 0.31                          | 0                                     | 885                           | 7.89                                      |
| 0401_03    | 1500 ppm | Week : 1      | 0.17                          | 0.25                                  |                               | 5.64                                      |
| 0402_03    | 1500 ppm | Week : 1      | 0                             | 0                                     |                               | 6.84                                      |
| 0403_03    | 1500 ppm | Week : 1      | 0.06                          | 0.18                                  |                               | 7.03                                      |
| 0404_03    | 1500 ppm | Week : 1      | 0.25                          | 0                                     |                               | 6.03                                      |
| 0405_03    | 1500 ppm | Week : 1      | 0                             | 0                                     |                               | 7.13                                      |
| 0406_03    | 1500 ppm | Week : 1      | 0.1                           | 0.32                                  |                               | 7.21                                      |
| 0407_03    | 1500 ppm | Week : 1      | 0.27                          | 0.14                                  |                               | 6.68                                      |
| 0408_03    | 1500 ppm | Week : 1      | 0                             | 0.08                                  |                               | 6.99                                      |
| 0409_03    | 1500 ppm | Week : 1      | 0                             | 0.12                                  |                               | 6.73                                      |
| 0410_03    | 1500 ppm | Week : 1      | 0                             | 0.17                                  |                               | 6.02                                      |
| 0411_03    | 1500 ppm | Week : 3      | 0.09                          | 0                                     | 637                           | 8.59                                      |
| 0412_03    | 1500 ppm | Week : 3      | 0.17                          | 0                                     | 730                           | 8   |
| 0413_03    | 1500 ppm | Week : 3      | 0.08                          | 0                                     | 816                           | 7.07                                      |
| 0414_03    | 1500 ppm | Week : 3      | 0                             | 0                                     | 820                           | 7.71                                      |
| 0415_03    | 1500 ppm | Week : 3      | 0.33                          | 0                                     | 845                           | 7.84                                      |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

## P44: Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:34

First Dose M/F: NA / NA

Lab: NA

## MALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0416_03    | 1500 ppm | Week : 3      | 0.16                          | 0                                     | 749                           | 8.01                                      |
| 0417_03    | 1500 ppm | Week : 3      | 0.24                          | 0                                     | 785                           | 7.8                                       |
| 0418_03    | 1500 ppm | Week : 3      | 0                             | 0                                     | 829                           | 7.55                                      |
| 0419_03    | 1500 ppm | Week : 3      | 0                             | 0                                     | 840                           | 8.14                                      |
| 0420_03    | 1500 ppm | Week : 3      | 0.23                          | 0                                     | 705                           | 8.16                                      |
| 0421_03    | 3000 ppm | Week : 1      | 0                             | 0.66                                  |                               | 5.65                                      |
| 0422_03    | 3000 ppm | Week : 1      | 0.2                           | 0.2                                   |                               | 6.07                                      |
| 0423_03    | 3000 ppm | Week : 1      | 0.32                          | 1.07                                  |                               | 6.77                                      |
| 0424_03    | 3000 ppm | Week : 1      | 0.11                          | 0.56                                  |                               | 6.21                                      |
| 0425_03    | 3000 ppm | Week : 1      | 0.18                          | 0.27                                  |                               | 7.25                                      |
| 0426_03    | 3000 ppm | Week : 1      | 0.11                          | 0.65                                  |                               | 5.61                                      |
| 0427_03    | 3000 ppm | Week : 1      | 0                             | 0.7                                   |                               | 6.07                                      |
| 0428_03    | 3000 ppm | Week : 1      | 0.41                          | 0.61                                  |                               | 6.2                                       |
| 0429_03    | 3000 ppm | Week : 1      | 0.1                           | 0.7                                   |                               | 6.01                                      |
| 0430_03    | 3000 ppm | Week : 1      | 0.11                          | 2.09                                  |                               | 6.06                                      |
| 0431_03    | 3000 ppm | Week : 3      | 0.09                          | 0.09                                  | 823                           | 7.78                                      |
| 0432_03    | 3000 ppm | Week : 3      | 0.08                          | 0                                     | 785                           | 7.6                                       |
| 0433_03    | 3000 ppm | Week : 3      | 0.07                          | 0                                     | 822                           | 7.5                                       |
| 0434_03    | 3000 ppm | Week : 3      | 0.25                          | 0                                     |                               | 8.28                                      |
| 0435_03    | 3000 ppm | Week : 3      | 0.13                          | 0                                     | 814                           | 7.42                                      |
| 0436_03    | 3000 ppm | Week : 3      | 0.09                          | 0.1                                   | 820                           | 7.75                                      |
| 0437_03    | 3000 ppm | Week : 3      | 0.09                          | 0                                     | 706                           | 7.92                                      |

## MALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0437_03    | 3000 ppm | Week : 3      | 0.09                          | 0                                     | 706                           | 7.92                                      |
| 0438_03    | 3000 ppm | Week : 3      | 0.07                          | 0                                     | 858                           | 8.18                                      |
| 0439_03    | 3000 ppm | Week : 3      | 0.08                          | 0                                     | 792                           | 7.46                                      |
| 0440_03    | 3000 ppm | Week : 3      | 0                             | 0                                     | 812                           | 8.2                                       |
| 0441_03    | 4500 ppm | Week : 1      | 1.96                          | 2.75                                  |                               | 6   |
| 0442_03    | 4500 ppm | Week : 1      | 0.37                          | 0.49                                  |                               | 7.25                                      |
| 0443_03    | 4500 ppm | Week : 1      | 0.22                          | 0.34                                  |                               | 6.67                                      |
| 0444_03    | 4500 ppm | Week : 1      | 0                             | 0.38                                  |                               | 6.95                                      |
| 0445_03    | 4500 ppm | Week : 1      | 0.94                          | 0.94                                  |                               | 6.82                                      |
| 0446_03    | 4500 ppm | Week : 1      | 0                             | 0                                     |                               | 6.72                                      |
| 0447_03    | 4500 ppm | Week : 1      | 0.34                          | 0.17                                  |                               | 6.66                                      |
| 0448_03    | 4500 ppm | Week : 1      | 0.46                          | 0.28                                  |                               | 6.68                                      |
| 0449_03    | 4500 ppm | Week : 1      | 0.11                          | 0.34                                  |                               | 6.03                                      |
| 0450_03    | 4500 ppm | Week : 1      | 0.18                          | 1.25                                  |                               | 6.6                                       |
| 0451_03    | 4500 ppm | Week : 3      | 0.06                          | 0                                     | 663                           | 7.84                                      |
| 0452_03    | 4500 ppm | Week : 3      | 0.11                          | 0                                     | 781                           | 7.39                                      |
| 0453_03    | 4500 ppm | Week : 3      | 0                             | 0                                     | 791                           | 7.11                                      |
| 0454_03    | 4500 ppm | Week : 3      | 0.25                          | 0                                     | 787                           | 7.31                                      |
| 0455_03    | 4500 ppm | Week : 3      | 0                             | 0                                     | 821                           | 7.35                                      |
| 0456_03    | 4500 ppm | Week : 3      | 0.05                          | 0                                     | 771                           | 7.51                                      |
| 0457_03    | 4500 ppm | Week : 3      | 0.09                          | 0                                     | 713                           | 7.82                                      |
| 0458_03    | 4500 ppm | Week : 3      | 0                             | 0                                     | 768                           | 7.08                                      |

## MALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0459_03    | 4500 ppm | Week : 3      | 0                             | 0                                     | 731                           | 7.29                                      |
| 0460_03    | 4500 ppm | Week : 3      | 0.31                          | 0                                     | 827                           | 7.19                                      |
| 0461_03    | 6000 ppm | Week : 1      | 0.39                          | 0.78                                  |                               | 6.17                                      |
| 0462_03    | 6000 ppm | Week : 1      | 0.36                          | 1.09                                  |                               | 6.54                                      |
| 0463_03    | 6000 ppm | Week : 1      | 0.72                          | 5.07                                  |                               | 5.9                                       |
| 0464_03    | 6000 ppm | Week : 1      | 0.34                          | 0.69                                  |                               | 6.21                                      |
| 0465_03    | 6000 ppm | Week : 1      | 0                             | 1.42                                  |                               | 6.23                                      |
| 0466_03    | 6000 ppm | Week : 1      | 0                             | 1.85                                  |                               | 6.27                                      |
| 0467_03    | 6000 ppm | Week : 1      | 0.57                          | 0.28                                  |                               | 6.49                                      |
| 0468_03    | 6000 ppm | Week : 1      | 0                             | 1.28                                  |                               | 5.29                                      |
| 0469_03    | 6000 ppm | Week : 1      | 0.23                          | 1.58                                  |                               | 6.23                                      |
| 0470_03    | 6000 ppm | Week : 1      | 0.25                          | 1.76                                  |                               | 6.4                                       |
| 0471_03    | 6000 ppm | Week : 3      | 0.08                          | 0                                     | 803                           | 6.7                                       |
| 0472_03    | 6000 ppm | Week : 3      | 0                             | 0                                     | 798                           | 7.31                                      |
| 0473_03    | 6000 ppm | Week : 3      | 0.17                          | 0.18                                  | 767                           | 6.97                                      |
| 0474_03    | 6000 ppm | Week : 3      | 0.22                          | 0.11                                  | 812                           | 7.79                                      |
| 0475_03    | 6000 ppm | Week : 3      | 0                             | 0.06                                  | 759                           | 7.24                                      |
| 0476_03    | 6000 ppm | Week : 3      | 0.11                          | 0                                     | 778                           | 8.13                                      |
| 0477_03    | 6000 ppm | Week : 3      | 0                             | 0.08                                  | 778                           | 7.86                                      |
| 0478_03    | 6000 ppm | Week : 3      | 0                             | 0                                     | 754                           | 7.61                                      |
| 0479_03    | 6000 ppm | Week : 3      | 0                             | 0.29                                  | 747                           | 7   |
| 0480_03    | 6000 ppm | Week : 3      | 0.16                          | 0                                     | 784                           | 7.85                                      |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:34

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0480_03    | 6000 ppm | Week : 3      | 0.16                          | 0                                     | 784                           | 7.85                                      |

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**MALE**


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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0001_03    | 0 ppm    | Week : 13     | 0.08                                 | 1.4                                       | 6.1                                   |
| 0002_03    | 0 ppm    | Week : 13     | 0.27                                 | 0.68                                      | 6.8                                   |
| 0004_03    | 0 ppm    | Week : 13     | 0.23                                 | 1.05                                      | 7                                     |
| 0005_03    | 0 ppm    | Week : 13     | 0.12                                 | 1.26                                      | 5.5                                   |
| 0007_03    | 0 ppm    | Week : 13     | 0.1                                  | 0.74                                      | 5.3                                   |
| 0008_03    | 0 ppm    | Week : 13     | 0.11                                 | 0.7                                       | 4.7                                   |
| 0009_03    | 0 ppm    | Week : 13     | 0.07                                 | 1.62                                      | 4.9                                   |
| 0010_03    | 0 ppm    | Week : 13     | 0.15                                 | 1.01                                      | 4.8                                   |
| 0011_03    | 750 ppm  | Week : 13     | 0.18                                 | 0.96                                      | 6                                     |
| 0012_03    | 750 ppm  | Week : 13     | 0.65                                 | 1.43                                      | 6.8                                   |
| 0013_03    | 750 ppm  | Week : 13     | 0.2                                  | 1.33                                      | 7.4                                   |
| 0014_03    | 750 ppm  | Week : 13     | 0.11                                 | 1.33                                      | 7                                     |
| 0015_03    | 750 ppm  | Week : 13     | 0.09                                 | 0.97                                      | 6.5                                   |
| 0016_03    | 750 ppm  | Week : 13     |                                      |   | 4.4                                   |
| 0017_03    | 750 ppm  | Week : 13     | 0.11                                 | 1.54                                      | 5.7                                   |
| 0018_03    | 750 ppm  | Week : 13     | 0.28                                 | 1.64                                      | 6.3                                   |
| 0019_03    | 750 ppm  | Week : 13     | 0.26                                 | 1.73                                      | 7.2                                   |
| 0020_03    | 750 ppm  | Week : 13     | 0.26                                 | 1.47                                      | 6.7                                   |
| 0021_03    | 1500 ppm | Week : 13     | 0.18                                 | 1.69                                      | 7.7                                   |
| 0022_03    | 1500 ppm | Week : 13     | 0.18                                 | 1.51                                      | 5.2                                   |
| 0023_03    | 1500 ppm | Week : 13     | 0.13                                 | 1.07                                      | 5.1                                   |
| 0024_03    | 1500 ppm | Week : 13     | 0.14                                 | 0.72                                      | 4.8                                   |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P44: Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:34

First Dose M/F: NA / NA

Lab: NA

**MALE**

| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0025_03    | 1500 ppm | Week : 13     | 0.05                                 | 1.42                                      | 5.7                                   |
| 0026_03    | 1500 ppm | Week : 13     | 0.27                                 | 0.77                                      | 4.8                                   |
| 0027_03    | 1500 ppm | Week : 13     | 0.17                                 | 0.81                                      | 6.2                                   |
| 0028_03    | 1500 ppm | Week : 13     | 0.14                                 | 0.75                                      | 7.5                                   |
| 0029_03    | 1500 ppm | Week : 13     | 0.12                                 | 1.57                                      | 5.4                                   |
| 0030_03    | 1500 ppm | Week : 13     | 0.13                                 | 0.88                                      | 7.3                                   |
| 0031_03    | 3000 ppm | Week : 13     | 0.13                                 | 1.04                                      | 9.5                                   |
| 0032_03    | 3000 ppm | Week : 13     | 0.25                                 | 1.54                                      | 6.4                                   |
| 0033_03    | 3000 ppm | Week : 13     | 0.05                                 | 0.88                                      | 5.9                                   |
| 0034_03    | 3000 ppm | Week : 13     | 0.26                                 | 1.48                                      | 5.3                                   |
| 0035_03    | 3000 ppm | Week : 13     | 0.14                                 | 1.63                                      | 5.1                                   |
| 0036_03    | 3000 ppm | Week : 13     | 0.18                                 | 0.65                                      | 6.5                                   |
| 0037_03    | 3000 ppm | Week : 13     | 0.13                                 | 1.07                                      | 6.3                                   |
| 0038_03    | 3000 ppm | Week : 13     | 0.28                                 | 1.59                                      | 5.5                                   |
| 0039_03    | 3000 ppm | Week : 13     | 0.2                                  | 1.57                                      | 6.3                                   |
| 0040_03    | 3000 ppm | Week : 13     | 0.15                                 | 1.26                                      | 6                                     |
| 0041_03    | 4500 ppm | Week : 13     | 0.3                                  | 1.32                                      | 6.3                                   |
| 0042_03    | 4500 ppm | Week : 13     | 0.12                                 | 1.25                                      | 7.8                                   |
| 0043_03    | 4500 ppm | Week : 13     | 0.56                                 | 2.96                                      | 7.6                                   |
| 0044_03    | 4500 ppm | Week : 13     | 0.22                                 | 0.8                                       | 7.3                                   |
| 0045_03    | 4500 ppm | Week : 13     | 0.06                                 | 0.86                                      | 5.4                                   |
| 0046_03    | 4500 ppm | Week : 13     | 0.21                                 | 1.8                                       | 6                                     |

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**MALE**


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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0046_03    | 4500 ppm | Week : 13     | 0.21                                 | 1.8                                       | 6                                     |
| 0047_03    | 4500 ppm | Week : 13     | 0.09                                 | 1.31                                      | 5.7                                   |
| 0048_03    | 4500 ppm | Week : 13     | 0.1                                  | 1.62                                      | 5.8                                   |
| 0049_03    | 4500 ppm | Week : 13     | 0.11                                 | 2.02                                      | 7.5                                   |
| 0050_03    | 4500 ppm | Week : 13     | 0.4                                  | 1.84                                      | 8                                     |
| 0051_03    | 6000 ppm | Week : 13     | 0.86                                 | 0.94                                      | 6.3                                   |
| 0053_03    | 6000 ppm | Week : 13     | 0.36                                 | 0.73                                      | 7.3                                   |
| 0054_03    | 6000 ppm | Week : 13     | 0.39                                 | 1.47                                      | 6.4                                   |
| 0055_03    | 6000 ppm | Week : 13     | 0.74                                 | 1.16                                      | 6.1                                   |
| 0056_03    | 6000 ppm | Week : 13     | 0.29                                 | 0.85                                      | 5.3                                   |
| 0057_03    | 6000 ppm | Week : 13     | 0.24                                 | 0.95                                      | 5.3                                   |
| 0058_03    | 6000 ppm | Week : 13     | 0.58                                 | 0.92                                      | 4.6                                   |
| 0059_03    | 6000 ppm | Week : 13     | 0.31                                 | 0.66                                      | 4.4                                   |
| 0060_03    | 6000 ppm | Week : 13     | 0.37                                 | 1.17                                      | 5.1                                   |
| 0361_03    | 0 ppm    | Week : 1      | 0.26                                 | 2.41                                      | 7.1                                   |
| 0362_03    | 0 ppm    | Week : 1      | 0.18                                 | 0.83                                      | 8.3                                   |
| 0363_03    | 0 ppm    | Week : 1      | 0.38                                 | 1.23                                      | 8.8                                   |
| 0364_03    | 0 ppm    | Week : 1      | 0.25                                 | 1.44                                      | 10.3                                  |
| 0365_03    | 0 ppm    | Week : 1      | 0.22                                 | 0.7                                       | 8.7                                   |
| 0366_03    | 0 ppm    | Week : 1      | 1.03*                                | 0.92                                      | 9.2                                   |
| 0367_03    | 0 ppm    | Week : 1      | 0.25                                 | 1.51                                      | 8.9                                   |
| 0368_03    | 0 ppm    | Week : 1      | 0.21                                 | 0.84                                      | 8.4                                   |

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**MALE**


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| Animal No. | Dose    | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|---------|---------------|--------------------------------------|---|---------------------------------------|
| 0369_03    | 0 ppm   | Week : 1      | 0.16                                 | 1.46                                      | 7.3                                   |
| 0370_03    | 0 ppm   | Week : 1      | 0.25                                 | 1.82                                      | 7.3                                   |
| 0371_03    | 0 ppm   | Week : 3      | 0.35                                 | 0.55                                      | 7.9                                   |
| 0373_03    | 0 ppm   | Week : 3      | 0.23                                 | 0.69                                      | 9.8                                   |
| 0374_03    | 0 ppm   | Week : 3      | 0.21                                 | 1.2                                       | 9.2                                   |
| 0375_03    | 0 ppm   | Week : 3      | 0.34                                 | 1.29                                      | 8.6                                   |
| 0377_03    | 0 ppm   | Week : 3      | 0.35                                 | 0.54                                      | 6.8                                   |
| 0378_03    | 0 ppm   | Week : 3      | 0.18                                 | 0.76                                      | 9.5                                   |
| 0379_03    | 0 ppm   | Week : 3      | 0.25                                 | 1.03                                      | 8.6                                   |
| 0380_03    | 0 ppm   | Week : 3      | 0.32                                 | 0.93                                      | 13.3                                  |
| 0382_03    | 750 ppm | Week : 1      | 0.2                                  | 0.72                                      | 10.3                                  |
| 0383_03    | 750 ppm | Week : 1      | 0.31                                 | 0.7                                       | 7                                     |
| 0384_03    | 750 ppm | Week : 1      | 0.29                                 | 0.97                                      | 6.5                                   |
| 0385_03    | 750 ppm | Week : 1      | 0.29                                 | 0.87                                      | 8.7                                   |
| 0386_03    | 750 ppm | Week : 1      | 0.34                                 | 1.64                                      | 9.1                                   |
| 0387_03    | 750 ppm | Week : 1      | 0.15                                 | 0.99                                      | 9                                     |
| 0388_03    | 750 ppm | Week : 1      | 1.21                                 | 0.58                                      | 7.3                                   |
| 0389_03    | 750 ppm | Week : 1      | 0.21                                 | 1.85                                      | 10.9                                  |
| 0390_03    | 750 ppm | Week : 1      | 0.18                                 | 0.57                                      | 8.1                                   |
| 0391_03    | 750 ppm | Week : 3      | 0.37                                 | 1.25                                      | 8.9                                   |
| 0392_03    | 750 ppm | Week : 3      | 0.24                                 | 0.78                                      | 8.7                                   |
| 0394_03    | 750 ppm | Week : 3      | 0.25                                 | 0.69                                      | 6.9                                   |

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**MALE**


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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0394_03    | 750 ppm  | Week : 3      | 0.25                                 | 0.69                                      | 6.9                                   |
| 0395_03    | 750 ppm  | Week : 3      | 0.24                                 | 0.87                                      | 9.7                                   |
| 0396_03    | 750 ppm  | Week : 3      | 0.29                                 | 0.59                                      | 9.9                                   |
| 0397_03    | 750 ppm  | Week : 3      | 0.3                                  | 0.67                                      | 11.2                                  |
| 0398_03    | 750 ppm  | Week : 3      | 0.29                                 | 0.57                                      | 8.1                                   |
| 0399_03    | 750 ppm  | Week : 3      | 0.26                                 | 0.51                                      | 8.5                                   |
| 0400_03    | 750 ppm  | Week : 3      | 0.15                                 | 1.56                                      | 7.8                                   |
| 0401_03    | 1500 ppm | Week : 1      | 0.16                                 | 1.6                                       | 8.4                                   |
| 0402_03    | 1500 ppm | Week : 1      | 0.42                                 | 1.62                                      | 8.1                                   |
| 0403_03    | 1500 ppm | Week : 1      | 0.34                                 | 0.67                                      | 6.1                                   |
| 0404_03    | 1500 ppm | Week : 1      | 0.3                                  | 1.34                                      | 8.4                                   |
| 0405_03    | 1500 ppm | Week : 1      | 0.34                                 | 1.86                                      | 8.1                                   |
| 0406_03    | 1500 ppm | Week : 1      | 0.28                                 | 1.89                                      | 10.5                                  |
| 0407_03    | 1500 ppm | Week : 1      | 0.23                                 | 1.36                                      | 6.8                                   |
| 0408_03    | 1500 ppm | Week : 1      | 0.14                                 | 0.66                                      | 8.2                                   |
| 0409_03    | 1500 ppm | Week : 1      | 0.17                                 | 0.68                                      | 6.2                                   |
| 0410_03    | 1500 ppm | Week : 1      | 0.34                                 | 1.87                                      | 8.5                                   |
| 0411_03    | 1500 ppm | Week : 3      | 0.26                                 | 0.61                                      | 8.7                                   |
| 0412_03    | 1500 ppm | Week : 3      | 0.19                                 | 1.2                                       | 8.6                                   |
| 0413_03    | 1500 ppm | Week : 3      | 0.26                                 | 1.03                                      | 7.9                                   |
| 0414_03    | 1500 ppm | Week : 3      | 0.19                                 | 1.49                                      | 9.3                                   |
| 0415_03    | 1500 ppm | Week : 3      | 0.14                                 | 1.98                                      | 11                                    |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:34

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0416_03    | 1500 ppm | Week : 3      | 0.19                                 | 0.82                                      | 8.2                                   |
| 0417_03    | 1500 ppm | Week : 3      | 0.23                                 | 1.34                                      | 12.2                                  |
| 0418_03    | 1500 ppm | Week : 3      | 0.21                                 | 1.2                                       | 10.9                                  |
| 0419_03    | 1500 ppm | Week : 3      | 0.31                                 | 0.26                                      | 8.7                                   |
| 0420_03    | 1500 ppm | Week : 3      | 0.32                                 | 0.84                                      | 7.6                                   |
| 0421_03    | 3000 ppm | Week : 1      | 0.47                                 | 2.73                                      | 9.4                                   |
| 0422_03    | 3000 ppm | Week : 1      | 0.56                                 | 1.96                                      | 9.8                                   |
| 0423_03    | 3000 ppm | Week : 1      | 0.62                                 | 2.46                                      | 10.7                                  |
| 0424_03    | 3000 ppm | Week : 1      | 0.3                                  | 2.44                                      | 11.1                                  |
| 0425_03    | 3000 ppm | Week : 1      | 0.35                                 | 2.43                                      | 9                                     |
| 0426_03    | 3000 ppm | Week : 1      | 0.19                                 | 2.16                                      | 10.8                                  |
| 0427_03    | 3000 ppm | Week : 1      | 0.64                                 | 1.62                                      | 11.6                                  |
| 0428_03    | 3000 ppm | Week : 1      | 0.4                                  | 3.06                                      | 10.2                                  |
| 0429_03    | 3000 ppm | Week : 1      | 0.21                                 | 2.8                                       | 10                                    |
| 0430_03    | 3000 ppm | Week : 1      | 0.36                                 | 2.75                                      | 11                                    |
| 0431_03    | 3000 ppm | Week : 3      | 0.2                                  | 1.62                                      | 9                                     |
| 0432_03    | 3000 ppm | Week : 3      | 0.27                                 | 1.4                                       | 7.8                                   |
| 0433_03    | 3000 ppm | Week : 3      | 0.21                                 | 0.79                                      | 6.6                                   |
| 0434_03    | 3000 ppm | Week : 3      |                                      | 0.67                                      | 8.4                                   |
| 0435_03    | 3000 ppm | Week : 3      | 0.27                                 | 0.94                                      | 4.5                                   |
| 0436_03    | 3000 ppm | Week : 3      | 0.27                                 | 0.38                                      | 9.5                                   |
| 0437_03    | 3000 ppm | Week : 3      | 0.25                                 | 1.03                                      | 9.4                                   |

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**MALE**


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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0437_03    | 3000 ppm | Week : 3      | 0.25                                 | 1.03                                      | 9.4                                   |
| 0438_03    | 3000 ppm | Week : 3      | 0.17                                 | 0.86                                      | 6.6                                   |
| 0439_03    | 3000 ppm | Week : 3      | 0.1                                  | 0.75                                      | 8.3                                   |
| 0440_03    | 3000 ppm | Week : 3      | 0.18                                 | 1.54                                      | 9.6                                   |
| 0441_03    | 4500 ppm | Week : 1      | 1.01                                 | 5.89                                      | 39.3                                  |
| 0442_03    | 4500 ppm | Week : 1      | 1.11                                 | 1.59                                      | 12.2                                  |
| 0443_03    | 4500 ppm | Week : 1      | 1.15                                 | 1.34                                      | 11.2                                  |
| 0444_03    | 4500 ppm | Week : 1      | 0.89                                 | 1.34                                      | 19.2                                  |
| 0445_03    | 4500 ppm | Week : 1      | 1.28                                 | 1.88                                      | 18.8                                  |
| 0446_03    | 4500 ppm | Week : 1      | 0.9                                  | 0.72                                      | 12                                    |
| 0447_03    | 4500 ppm | Week : 1      | 0.24                                 | 0.51                                      | 8.5                                   |
| 0448_03    | 4500 ppm | Week : 1      | 1.08                                 | 2.3                                       | 9.2                                   |
| 0449_03    | 4500 ppm | Week : 1      | 0.71                                 | 2.49                                      | 11.3                                  |
| 0450_03    | 4500 ppm | Week : 1      | 0.34                                 | 2.85                                      | 17.8                                  |
| 0451_03    | 4500 ppm | Week : 3      | 0.24                                 | 0.64                                      | 5.8                                   |
| 0452_03    | 4500 ppm | Week : 3      | 0.27                                 | 1.15                                      | 11.5                                  |
| 0453_03    | 4500 ppm | Week : 3      | 0.3                                  | 1.68                                      | 7.3                                   |
| 0454_03    | 4500 ppm | Week : 3      | 0.14                                 | 1.16                                      | 8.3                                   |
| 0455_03    | 4500 ppm | Week : 3      | 0.21                                 | 0.85                                      | 8.5                                   |
| 0456_03    | 4500 ppm | Week : 3      | 0.29                                 | 0.77                                      | 4.8                                   |
| 0457_03    | 4500 ppm | Week : 3      | 0.25                                 | 1.2                                       | 8.6                                   |
| 0458_03    | 4500 ppm | Week : 3      | 0.27                                 | 0.54                                      | 10.9                                  |

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**MALE**


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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0459_03    | 4500 ppm | Week : 3      | 0.32                                 | 0.95                                      | 11.9                                  |
| 0460_03    | 4500 ppm | Week : 3      | 0.37                                 | 1.14                                      | 10.4                                  |
| 0461_03    | 6000 ppm | Week : 1      | 0.93                                 | 3.1                                       | 38.8                                  |
| 0462_03    | 6000 ppm | Week : 1      | 1.33                                 | 3.62                                      | 18.1                                  |
| 0463_03    | 6000 ppm | Week : 1      | 2.05                                 | 9.77                                      | 36.2                                  |
| 0464_03    | 6000 ppm | Week : 1      | 0.48                                 | 3.44                                      | 17.2                                  |
| 0465_03    | 6000 ppm | Week : 1      | 0.87                                 | 1.42                                      | 17.8                                  |
| 0466_03    | 6000 ppm | Week : 1      | 1.07                                 | 3.48                                      | 20.5                                  |
| 0467_03    | 6000 ppm | Week : 1      | 1.09                                 | 1.99                                      | 28.4                                  |
| 0468_03    | 6000 ppm | Week : 1      | 0.75                                 | 3.82                                      | 42.5                                  |
| 0469_03    | 6000 ppm | Week : 1      | 1.28                                 | 2.03                                      | 11.3                                  |
| 0470_03    | 6000 ppm | Week : 1      | 0.95                                 | 1.76                                      | 25.1                                  |
| 0471_03    | 6000 ppm | Week : 3      | 0.21                                 | 1.58                                      | 8.3                                   |
| 0472_03    | 6000 ppm | Week : 3      | 0.31                                 | 1.85                                      | 10.9                                  |
| 0473_03    | 6000 ppm | Week : 3      | 0.21                                 | 0.52                                      | 8.6                                   |
| 0474_03    | 6000 ppm | Week : 3      | 0.28                                 | 1.21                                      | 11                                    |
| 0475_03    | 6000 ppm | Week : 3      | 0.25                                 | 0.51                                      | 6.4                                   |
| 0476_03    | 6000 ppm | Week : 3      | 0.36                                 | 0.97                                      | 5.7                                   |
| 0477_03    | 6000 ppm | Week : 3      | 0.23                                 | 1.08                                      | 7.7                                   |
| 0478_03    | 6000 ppm | Week : 3      | 0.32                                 | 1.37                                      | 11.4                                  |
| 0479_03    | 6000 ppm | Week : 3      | 0.15                                 | 1.25                                      | 9.6                                   |
| 0480_03    | 6000 ppm | Week : 3      | 0.32                                 | 0.87                                      | 7.9                                   |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:34

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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| Animal No.     | Dose            | Time In Study   | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|----------------|-----------------|-----------------|--------------------------------------|---|---------------------------------------|
| <b>0480_03</b> | <b>6000 ppm</b> | <b>Week : 3</b> | 0.32                                 | 0.87                                      | 7.9                                   |

## FEMALE

| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0061_03    | 0 ppm    | Week : 13     | 0.06             | 46.6         | 16                  | 4.41                         |
| 0062_03    | 0 ppm    | Week : 13     | 0                | 47.9         | 15.3                | 6.64                         |
| 0063_03    | 0 ppm    | Week : 13     | 0                | 42.5         | 14                  | 3.53                         |
| 0064_03    | 0 ppm    | Week : 13     | 0.05             | 45.6         | 14.7                | 4.51                         |
| 0065_03    | 0 ppm    | Week : 13     | 0                | 43.7         | 15                  | 5.08                         |
| 0066_03    | 0 ppm    | Week : 13     | 0                | 45.7         | 14.9                | 6.65                         |
| 0067_03    | 0 ppm    | Week : 13     | 0                | 42.2         | 14.3                | 6.22                         |
| 0068_03    | 0 ppm    | Week : 13     | 0.06             | 44           | 15                  | 4.81                         |
| 0069_03    | 0 ppm    | Week : 13     | 0.08             | 44.6         | 15.2                | 7.81                         |
| 0070_03    | 0 ppm    | Week : 13     | 0                | 45.2         | 14.8                | 5.51                         |
| 0071_03    | 750 ppm  | Week : 13     | 0.06             | 42.6         | 14.3                | 4.84                         |
| 0072_03    | 750 ppm  | Week : 13     | 0                | 46.3         | 15.1                | 4.86                         |
| 0073_03    | 750 ppm  | Week : 13     | 0                | 48.8         | 15.3                | 5.96                         |
| 0074_03    | 750 ppm  | Week : 13     | 0                | 41.3         | 13.9                | 3.87                         |
| 0075_03    | 750 ppm  | Week : 13     | 0                | 41.6         | 14                  | 5                            |
| 0076_03    | 750 ppm  | Week : 13     | 0.16             | 43.6         | 14.3                | 4.68                         |
| 0077_03    | 750 ppm  | Week : 13     | 0.07             | 43.5         | 14.3                | 3.89                         |
| 0078_03    | 750 ppm  | Week : 13     | 0                | 42.6         | 14.6                | 4.64                         |
| 0079_03    | 750 ppm  | Week : 13     | 0.06             | 41.4         | 13.9                | 4.56                         |
| 0080_03    | 750 ppm  | Week : 13     | 0                | 40.3         | 13.9                | 4.03                         |
| 0081_03    | 1500 ppm | Week : 13     | 0.06             | 40.9         | 13.6                | 4.98                         |
| 0082_03    | 1500 ppm | Week : 13     | 0                | 42.6         | 14.1                | 3.87                         |

## FEMALE

| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0083_03    | 1500 ppm | Week : 13     | 0                | 44           | 14.2                | 5.16                         |
| 0084_03    | 1500 ppm | Week : 13     | 0                | 41.9         | 14.3                | 4.62                         |
| 0085_03    | 1500 ppm | Week : 13     | 0                | 48.6         | 14.9                | 4.86                         |
| 0086_03    | 1500 ppm | Week : 13     | 0                | 42.7         | 13.4                | 4.96                         |
| 0087_03    | 1500 ppm | Week : 13     | 0.14             | 43.1         | 13.9                | 5.88                         |
| 0088_03    | 1500 ppm | Week : 13     | 0                | 40.2         | 13                  | 4.65                         |
| 0089_03    | 1500 ppm | Week : 13     | 0.06             | 41           | 13.5                | 4.62                         |
| 0090_03    | 1500 ppm | Week : 13     | 0                | 42.6         | 14.3                | 4.47                         |
| 0091_03    | 3000 ppm | Week : 13     | 0.05             | 46           | 14.8                | 4.09                         |
| 0092_03    | 3000 ppm | Week : 13     | 0                | 44.6         | 13.9                | 6.19                         |
| 0093_03    | 3000 ppm | Week : 13     | 0                | 41.9         | 13.9                | 4.64                         |
| 0094_03    | 3000 ppm | Week : 13     | 0                | 42.8         | 13.8                | 4.39                         |
| 0095_03    | 3000 ppm | Week : 13     | 0                | 46.6         | 15.2                | 4.49                         |
| 0096_03    | 3000 ppm | Week : 13     | 0.07             | 40.7         | 14.3                | 6.62                         |
| 0097_03    | 3000 ppm | Week : 13     | 0                | 44.9         | 14.1                | 3.67                         |
| 0098_03    | 3000 ppm | Week : 13     | 0                | 40.2         | 13.7                | 4.35                         |
| 0099_03    | 3000 ppm | Week : 13     | 0                | 41.9         | 13.5                | 4.43                         |
| 0100_03    | 3000 ppm | Week : 13     | 0                | 45.9         | 14.4                | 5.69                         |
| 0101_03    | 4500 ppm | Week : 13     | 0.05             | 46.1         | 14.8                | 4.45                         |
| 0102_03    | 4500 ppm | Week : 13     | 0.13             | 45.3         | 13.8                | 5.31                         |
| 0103_03    | 4500 ppm | Week : 13     | 0                | 42           | 12.7                | 4.91                         |
| 0104_03    | 4500 ppm | Week : 13     | 0.05             | 48.6         | 15.3                | 4.35                         |

## FEMALE

| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0104_03    | 4500 ppm | Week : 13     | 0.05             | 48.6         | 15.3                | 4.35                         |
| 0105_03    | 4500 ppm | Week : 13     | 0                | 43.1         | 13.2                | 4.76                         |
| 0106_03    | 4500 ppm | Week : 13     | 0.12             | 43           | 14.1                | 4.03                         |
| 0107_03    | 4500 ppm | Week : 13     | 0                | 44.3         | 14.2                | 4.19                         |
| 0108_03    | 4500 ppm | Week : 13     | 0                | 42.4         | 14.1                | 7.64                         |
| 0109_03    | 4500 ppm | Week : 13     | 0.06             | 45.7         | 14                  | 4.52                         |
| 0110_03    | 4500 ppm | Week : 13     | 0                | 43.3         | 13.5                | 5.15                         |
| 0111_03    | 6000 ppm | Week : 13     | 0                | 47.1         | 14.1                | 4.29                         |
| 0112_03    | 6000 ppm | Week : 13     | 0                | 48           | 14.4                | 6.31                         |
| 0113_03    | 6000 ppm | Week : 13     | 0.09             | 43.4         | 12.8                | 6.77                         |
| 0114_03    | 6000 ppm | Week : 13     | 0.05             | 50.6         | 14.2                | 3.57                         |
| 0116_03    | 6000 ppm | Week : 13     | 0.16             | 44.8         | 12.8                | 6.56                         |
| 0117_03    | 6000 ppm | Week : 13     | 0                | 44.9         | 12.4                | 4.94                         |
| 0118_03    | 6000 ppm | Week : 13     | 0.05             | 46.1         | 13.3                | 3.67                         |
| 0119_03    | 6000 ppm | Week : 13     | 0                | 44.1         | 13.6                | 6.31                         |
| 0120_03    | 6000 ppm | Week : 13     | 0.08             | 46           | 13.3                | 7.14                         |
| 0481_03    | 0 ppm    | Week : 1      | 0.07             | 46.7         | 15.2                | 5.83                         |
| 0482_03    | 0 ppm    | Week : 1      | 0.07             | 47.1         | 15.6                | 6.2                          |
| 0483_03    | 0 ppm    | Week : 1      | 0                | 44.8         | 15.4                | 7.39                         |
| 0484_03    | 0 ppm    | Week : 1      | 0                | 46.2         | 15.6                | 7.14                         |
| 0485_03    | 0 ppm    | Week : 1      | 0                | 46.7         | 15.1                | 4.9                          |
| 0486_03    | 0 ppm    | Week : 1      | 0                | 48.3         | 16                  | 6.16                         |

## FEMALE

| Animal No. | Dose    | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|---------|---------------|------------------|--------------|---------------------|------------------------------|
| 0487_03    | 0 ppm   | Week : 1      | 0                | 47.9         | 15.6                | 7.39                         |
| 0488_03    | 0 ppm   | Week : 1      | 0.08             | 44.7         | 15.3                | 6.79                         |
| 0489_03    | 0 ppm   | Week : 1      | 0.17             | 46.3         | 15.3                | 7.31                         |
| 0490_03    | 0 ppm   | Week : 1      | 0                | 47.9         | 15.4                | 7.05                         |
| 0492_03    | 0 ppm   | Week : 3      | 0.05             | 45.4         | 15.1                | 4.9                          |
| 0493_03    | 0 ppm   | Week : 3      | 0                | 44.7         | 15                  | 7.38                         |
| 0494_03    | 0 ppm   | Week : 3      | 0.06             | 45.3         | 14.9                | 5.57                         |
| 0496_03    | 0 ppm   | Week : 3      | 0                | 51.8         | 17                  | 6.66                         |
| 0497_03    | 0 ppm   | Week : 3      | 0                | 48           | 16.1                | 10.21                        |
| 0498_03    | 0 ppm   | Week : 3      | 0                | 49.5         | 16.7                | 8.71                         |
| 0499_03    | 0 ppm   | Week : 3      | 0.09             | 45.3         | 16.1                | 7.48                         |
| 0500_03    | 0 ppm   | Week : 3      | 0                | 49.6         | 16.8                | 8.4                          |
| 0501_03    | 750 ppm | Week : 1      | 0                | 42.7         | 14.9                | 6.7                          |
| 0502_03    | 750 ppm | Week : 1      | 0                | 46.4         | 16                  | 6.24                         |
| 0503_03    | 750 ppm | Week : 1      | 0                | 45.7         | 15.5                | 8.46                         |
| 0504_03    | 750 ppm | Week : 1      | 0                | 45.7         | 14.9                | 5.61                         |
| 0505_03    | 750 ppm | Week : 1      | 0                | 43.2         | 14.8                | 6.71                         |
| 0506_03    | 750 ppm | Week : 1      | 0.2              | 46.1         | 15.3                | 8.87                         |
| 0507_03    | 750 ppm | Week : 1      | 0                | 45.4         | 15.3                | 7.2                          |
| 0508_03    | 750 ppm | Week : 1      | 0                | 44.4         | 15.2                | 5.99                         |
| 0509_03    | 750 ppm | Week : 1      | 0                | 45.3         | 16                  | 7.73                         |
| 0510_03    | 750 ppm | Week : 1      | 0                | 42.7         | 14.9                | 5.68                         |

## FEMALE

| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0510_03    | 750 ppm  | Week : 1      | 0                | 42.7         | 14.9                | 5.68                         |
| 0511_03    | 750 ppm  | Week : 3      | 0                | 46           | 15.8                | 7.1                          |
| 0512_03    | 750 ppm  | Week : 3      | 0                | 47.4         | 15                  | 6.15                         |
| 0513_03    | 750 ppm  | Week : 3      | 0                | 44.5         | 15.3                | 6.21                         |
| 0514_03    | 750 ppm  | Week : 3      | 0                | 46.1         | 15.3                | 7.53                         |
| 0516_03    | 750 ppm  | Week : 3      | 0.16             | 48.5         | 16.4                | 6.89                         |
| 0517_03    | 750 ppm  | Week : 3      | 0                | 45.3         | 15.7                | 7.74                         |
| 0518_03    | 750 ppm  | Week : 3      | 0                | 48.6         | 15.8                | 6.82                         |
| 0519_03    | 750 ppm  | Week : 3      | 0                | 47.5         | 15.8                | 4.42                         |
| 0521_03    | 1500 ppm | Week : 1      | 0                | 43.4         | 14.5                | 6.99                         |
| 0522_03    | 1500 ppm | Week : 1      | 0.05             | 42.3         | 14.3                | 4.35                         |
| 0523_03    | 1500 ppm | Week : 1      | 0.09             | 42.8         | 14.4                | 7.66                         |
| 0524_03    | 1500 ppm | Week : 1      | 0.06             | 42.4         | 14.7                | 5.82                         |
| 0525_03    | 1500 ppm | Week : 1      | 0.12             | 46.1         | 14.5                | 5.27                         |
| 0526_03    | 1500 ppm | Week : 1      | 0.09             | 46.1         | 15.4                | 8.19                         |
| 0527_03    | 1500 ppm | Week : 1      | 0                | 45.1         | 15.1                | 8.37                         |
| 0528_03    | 1500 ppm | Week : 1      | 0.1              | 43.7         | 14.5                | 8.26                         |
| 0529_03    | 1500 ppm | Week : 1      | 0                | 42           | 14.4                | 8.3                          |
| 0530_03    | 1500 ppm | Week : 1      | 0                | 44           | 14.4                | 5.98                         |
| 0531_03    | 1500 ppm | Week : 3      | 0.04             | 48.9         | 16.7                | 3.65                         |
| 0532_03    | 1500 ppm | Week : 3      | 0                | 44.6         | 15.1                | 5.48                         |
| 0533_03    | 1500 ppm | Week : 3      | 0.2              | 46.5         | 15.2                | 9                            |

## FEMALE

| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0535_03    | 1500 ppm | Week : 3      | 0.1              | 48.4         | 16                  | 8.32                         |
| 0536_03    | 1500 ppm | Week : 3      | 0.14             | 48.9         | 15.8                | 6.41                         |
| 0537_03    | 1500 ppm | Week : 3      | 0                | 45.3         | 15.3                | 5.98                         |
| 0538_03    | 1500 ppm | Week : 3      | 0                | 48.7         | 15.6                | 8.12                         |
| 0539_03    | 1500 ppm | Week : 3      | 0.09             | 45.4         | 15.4                | 7.92                         |
| 0540_03    | 1500 ppm | Week : 3      | 0.07             | 44.2         | 15.5                | 6.03                         |
| 0541_03    | 3000 ppm | Week : 1      | 0                | 42.5         | 14.1                | 9.9                          |
| 0542_03    | 3000 ppm | Week : 1      | 0                | 38.7         | 12.6                | 10.88                        |
| 0543_03    | 3000 ppm | Week : 1      | 0                | 40.7         | 13.9                | 6.86                         |
| 0544_03    | 3000 ppm | Week : 1      | 0                | 39.5         | 13.1                | 6.3                          |
| 0546_03    | 3000 ppm | Week : 1      | 0                | 38.6         | 12.2                | 17.93                        |
| 0547_03    | 3000 ppm | Week : 1      | 0                | 39.7         | 12.6                | 13.5                         |
| 0548_03    | 3000 ppm | Week : 1      | 0                | 37.2         | 13.3                | 11.68                        |
| 0549_03    | 3000 ppm | Week : 1      | 0                | 35.6         | 12.2                | 9.02                         |
| 0550_03    | 3000 ppm | Week : 1      | 0.07             | 40.8         | 14.1                | 5.77                         |
| 0551_03    | 3000 ppm | Week : 3      | 0                | 47.8         | 15.6                | 5.58                         |
| 0552_03    | 3000 ppm | Week : 3      | 0                | 47.6         | 15.3                | 6.47                         |
| 0553_03    | 3000 ppm | Week : 3      | 0                | 45.7         | 15.1                | 5.86                         |
| 0554_03    | 3000 ppm | Week : 3      | 0                | 47.3         | 15.2                | 6.2                          |
| 0555_03    | 3000 ppm | Week : 3      | 0.19             | 44.1         | 14.9                | 8.17                         |
| 0556_03    | 3000 ppm | Week : 3      | 0                | 46.5         | 14.9                | 6.82                         |
| 0557_03    | 3000 ppm | Week : 3      | 0.12             | 44.8         | 15.2                | 10.42                        |

## FEMALE

| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0557_03    | 3000 ppm | Week : 3      | 0.12             | 44.8         | 15.2                | 10.42                        |
| 0558_03    | 3000 ppm | Week : 3      | 0                | 49.5         | 15.8                | 7.91                         |
| 0559_03    | 3000 ppm | Week : 3      | 0                | 48.5         | 15.8                | 7.2                          |
| 0560_03    | 3000 ppm | Week : 3      | 0                | 47.6         | 15.4                | 9.15                         |
| 0561_03    | 4500 ppm | Week : 1      | 0.12             | 37.4         | 12.8                | 10.45                        |
| 0562_03    | 4500 ppm | Week : 1      | 0.28             | 41.3         | 13.1                | 25.29                        |
| 0563_03    | 4500 ppm | Week : 1      | 0                | 41.6         | 14.1                | 20.08                        |
| 0564_03    | 4500 ppm | Week : 1      | 0.44             | 38.7         | 13.3                | 31.75                        |
| 0565_03    | 4500 ppm | Week : 1      | 0                | 41.8         | 13.8                | 24.44                        |
| 0566_03    | 4500 ppm | Week : 1      | 0                | 40.8         | 12.9                | 42.63                        |
| 0567_03    | 4500 ppm | Week : 1      | 0                | 43.1         | 13.6                | 42.08                        |
| 0568_03    | 4500 ppm | Week : 1      | 0                | 41.5         | 13.7                | 30.6                         |
| 0569_03    | 4500 ppm | Week : 1      | 0                | 41.2         | 13.6                | 42.19                        |
| 0570_03    | 4500 ppm | Week : 1      | 0                | 43.1         | 13.5                | 31.08                        |
| 0571_03    | 4500 ppm | Week : 3      | 0.37             | 49.4         | 15.1                | 10.61                        |
| 0572_03    | 4500 ppm | Week : 3      | 0                | 46.3         | 15.3                | 5.88                         |
| 0573_03    | 4500 ppm | Week : 3      | 0                | 42.8         | 14                  | 8.1                          |
| 0574_03    | 4500 ppm | Week : 3      | 0.09             | 47.9         | 14.4                | 7.31                         |
| 0575_03    | 4500 ppm | Week : 3      | 0                | 45.2         | 14.8                | 5.49                         |
| 0576_03    | 4500 ppm | Week : 3      | 0                | 48.3         | 15.7                | 12.83                        |
| 0577_03    | 4500 ppm | Week : 3      | 0                | 48.4         | 15.3                | 10.96                        |
| 0578_03    | 4500 ppm | Week : 3      | 0                | 46.7         | 16                  | 6.39                         |

## FEMALE

| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0579_03    | 4500 ppm | Week : 3      | 0                | 47.5         | 15.3                | 9.29                         |
| 0580_03    | 4500 ppm | Week : 3      | 0.1              | 42.5         | 14.4                | 8.7                          |
| 0581_03    | 6000 ppm | Week : 1      | 0                | 39.8         | 12.3                | 36.57                        |
| 0582_03    | 6000 ppm | Week : 1      | 0.46             | 41.3         | 12.9                | 18.56                        |
| 0583_03    | 6000 ppm | Week : 1      | 0                | 43.8         | 15                  | 27.98                        |
| 0584_03    | 6000 ppm | Week : 1      | 0                | 40.3         | 13.2                | 17.31                        |
| 0585_03    | 6000 ppm | Week : 1      | 0                | 37.4         | 12.8                | 34.65                        |
| 0586_03    | 6000 ppm | Week : 1      | 0                | 43.2         | 13.9                | 46.06                        |
| 0587_03    | 6000 ppm | Week : 1      | 0                | 36.5         | 12.8                | 24.66                        |
| 0588_03    | 6000 ppm | Week : 1      | 0                | 42.6         | 14.3                | 12.64                        |
| 0589_03    | 6000 ppm | Week : 1      | 0                | 40.1         | 12.9                | 21.08                        |
| 0590_03    | 6000 ppm | Week : 1      | 0                | 39.7         | 13                  | 28.48                        |
| 0591_03    | 6000 ppm | Week : 3      | 0.07             | 46.8         | 14.3                | 6.29                         |
| 0592_03    | 6000 ppm | Week : 3      | 0.12             | 47.8         | 14.8                | 10.54                        |
| 0593_03    | 6000 ppm | Week : 3      | 0                | 47.8         | 14.2                | 7.39                         |
| 0594_03    | 6000 ppm | Week : 3      | 0                | 45.4         | 14.6                | 7.92                         |
| 0595_03    | 6000 ppm | Week : 3      | 0                | 47.5         | 14.3                | 6.02                         |
| 0596_03    | 6000 ppm | Week : 3      | 0.09             | 50           | 14.7                | 8.01                         |
| 0597_03    | 6000 ppm | Week : 3      | 0                | 47.6         | 14.7                | 6.61                         |
| 0598_03    | 6000 ppm | Week : 3      | 0.08             | 48           | 14                  | 7.14                         |
| 0599_03    | 6000 ppm | Week : 3      | 0.09             | 43.9         | 14.1                | 8.45                         |
| 0600_03    | 6000 ppm | Week : 3      | 0                | 49.2         | 13.9                | 5.67                         |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:35

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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| Animal No. | Dose     | Time In Study | Eosinophil Count | Hematocrit % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|------------|----------|---------------|------------------|--------------|---------------------|------------------------------|
| 0600_03    | 6000 ppm | Week : 3      | 0                | 49.2         | 13.9                | 5.67                         |

## FEMALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0061_03    | 0 ppm    | Week : 13     | 18.9                    | 34.3  | 55                         | 0.8                     |
| 0062_03    | 0 ppm    | Week : 13     | 17.8                    | 31.9  | 56                         | 0.6                     |
| 0063_03    | 0 ppm    | Week : 13     | 17.6                    | 32.9  | 53                         | 0.4                     |
| 0064_03    | 0 ppm    | Week : 13     | 17.8                    | 32.2  | 55                         | 0.8                     |
| 0065_03    | 0 ppm    | Week : 13     | 19.2                    | 34.3  | 56                         | 0.8                     |
| 0066_03    | 0 ppm    | Week : 13     | 17.7                    | 32.6  | 54                         | 1                       |
| 0067_03    | 0 ppm    | Week : 13     | 18.4                    | 33.9  | 54                         | 0.6                     |
| 0068_03    | 0 ppm    | Week : 13     | 18.6                    | 34.1  | 55                         | 0.8                     |
| 0069_03    | 0 ppm    | Week : 13     | 18.8                    | 34.1  | 55                         | 0.6                     |
| 0070_03    | 0 ppm    | Week : 13     | 18.1                    | 32.7  | 55                         | 1                       |
| 0071_03    | 750 ppm  | Week : 13     | 19.7                    | 33.6  | 59                         | 0.4                     |
| 0072_03    | 750 ppm  | Week : 13     | 18.6                    | 32.6  | 57                         | 0.4                     |
| 0073_03    | 750 ppm  | Week : 13     | 17.8                    | 31.3  | 57                         | 0.9                     |
| 0074_03    | 750 ppm  | Week : 13     | 19.4                    | 33.7  | 58                         | 0.4                     |
| 0075_03    | 750 ppm  | Week : 13     | 18.6                    | 33.6  | 55                         | 0.6                     |
| 0076_03    | 750 ppm  | Week : 13     | 18.5                    | 32.8  | 56                         | 0.8                     |
| 0077_03    | 750 ppm  | Week : 13     | 18.3                    | 32.9  | 56                         | 0.4                     |
| 0078_03    | 750 ppm  | Week : 13     | 19.9                    | 34.3  | 58                         | 0.5                     |
| 0079_03    | 750 ppm  | Week : 13     | 18.8                    | 33.6  | 56                         | 0.9                     |
| 0080_03    | 750 ppm  | Week : 13     | 19.8                    | 34.5  | 58                         | 0.8                     |
| 0081_03    | 1500 ppm | Week : 13     | 20.5                    | 33.2  | 62                         | 0.9                     |

## FEMALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0082_03    | 1500 ppm | Week : 13     | 20.4                    | 33.1  | 62                         | 0.2                     |
| 0083_03    | 1500 ppm | Week : 13     | 19.5                    | 32.3  | 61                         | 0.7                     |
| 0084_03    | 1500 ppm | Week : 13     | 20.5                    | 34.1  | 60                         | 0.9                     |
| 0085_03    | 1500 ppm | Week : 13     | 18.3                    | 30.7  | 60                         | 0.6                     |
| 0086_03    | 1500 ppm | Week : 13     | 19.5                    | 31.4  | 62                         | 0.7                     |
| 0087_03    | 1500 ppm | Week : 13     | 19.2                    | 32.2  | 60                         | 0.8                     |
| 0088_03    | 1500 ppm | Week : 13     | 19.4                    | 32.3  | 60                         | 0.4                     |
| 0089_03    | 1500 ppm | Week : 13     | 19.1                    | 32.9  | 58                         | 0.4                     |
| 0090_03    | 1500 ppm | Week : 13     | 20.1                    | 33.6  | 60                         | 0.6                     |
| 0091_03    | 3000 ppm | Week : 13     | 21                      | 32.2  | 65                         | 0.7                     |
| 0092_03    | 3000 ppm | Week : 13     | 19.8                    | 31.2  | 64                         | 0.4                     |
| 0093_03    | 3000 ppm | Week : 13     | 20.4                    | 33.2  | 62                         | 0.2                     |
| 0094_03    | 3000 ppm | Week : 13     | 20.2                    | 32.2  | 63                         | 0.7                     |
| 0095_03    | 3000 ppm | Week : 13     | 19.5                    | 32.6  | 60                         | 0.8                     |
| 0096_03    | 3000 ppm | Week : 13     | 21.6                    | 35.1  | 62                         | 0.8                     |
| 0097_03    | 3000 ppm | Week : 13     | 19.8                    | 31.4  | 63                         | 0.4                     |
| 0098_03    | 3000 ppm | Week : 13     | 21.3                    | 34.1  | 63                         | 0.9                     |
| 0099_03    | 3000 ppm | Week : 13     | 18.8                    | 32.2  | 59                         | 0.4                     |
| 0100_03    | 3000 ppm | Week : 13     | 19.9                    | 31.4  | 63                         | 0.8                     |
| 0101_03    | 4500 ppm | Week : 13     | 20.4                    | 32.1  | 64                         | 0.4                     |
| 0102_03    | 4500 ppm | Week : 13     | 20.7                    | 30.5  | 68                         | 0.2                     |

## FEMALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0103_03    | 4500 ppm | Week : 13     | 20.3                    | 30.2  | 67                         | 0.5                     |
| 0104_03    | 4500 ppm | Week : 13     | 20.9                    | 31.5  | 67                         | 0.9                     |
| 0105_03    | 4500 ppm | Week : 13     | 20.1                    | 30.6  | 65                         | 0.4                     |
| 0106_03    | 4500 ppm | Week : 13     | 21.3                    | 32.8  | 65                         | 0.6                     |
| 0107_03    | 4500 ppm | Week : 13     | 20.3                    | 32  | 63                         | 0.4                     |
| 0108_03    | 4500 ppm | Week : 13     | 21                      | 33.3  | 63                         | 1.1                     |
| 0109_03    | 4500 ppm | Week : 13     | 19.6                    | 30.6  | 64                         | 1.2                     |
| 0110_03    | 4500 ppm | Week : 13     | 21                      | 31.2  | 67                         | 0.9                     |
| 0111_03    | 6000 ppm | Week : 13     | 20.1                    | 29.9  | 67                         | 0.6                     |
| 0112_03    | 6000 ppm | Week : 13     | 20.1                    | 30  | 67                         | 0.5                     |
| 0113_03    | 6000 ppm | Week : 13     | 20.7                    | 29.5  | 70                         | 0.7                     |
| 0114_03    | 6000 ppm | Week : 13     | 20.2                    | 28.1  | 72                         | 0.7                     |
| 0116_03    | 6000 ppm | Week : 13     | 20.8                    | 28.6  | 73                         | 1.1                     |
| 0117_03    | 6000 ppm | Week : 13     | 20.3                    | 27.6  | 73                         | 0.7                     |
| 0118_03    | 6000 ppm | Week : 13     | 20.8                    | 28.8  | 72                         | 0.7                     |
| 0119_03    | 6000 ppm | Week : 13     | 20.3                    | 30.8  | 66                         | 1.3                     |
| 0120_03    | 6000 ppm | Week : 13     | 20.5                    | 28.9  | 71                         | 0.9                     |
| 0481_03    | 0 ppm    | Week : 1      | 18.7                    | 32.5  | 58                         | 0.6                     |
| 0482_03    | 0 ppm    | Week : 1      | 18.6                    | 33.1  | 56                         | 0.8                     |
| 0483_03    | 0 ppm    | Week : 1      | 20.5                    | 34.4  | 60                         | 0.8                     |
| 0484_03    | 0 ppm    | Week : 1      | 19.9                    | 33.8  | 59                         | 1.4                     |

## FEMALE

| Animal No. | Dose    | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|---------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0485_03    | 0 ppm   | Week : 1      | 19.2                    | 32.3  | 59                         | 1.3                     |
| 0486_03    | 0 ppm   | Week : 1      | 18.7                    | 33.1  | 56                         | 0.6                     |
| 0487_03    | 0 ppm   | Week : 1      | 19.5                    | 32.6  | 60                         | 1.1                     |
| 0488_03    | 0 ppm   | Week : 1      | 19.8                    | 34.2  | 58                         | 2.1                     |
| 0489_03    | 0 ppm   | Week : 1      | 19.7                    | 33  | 60                         | 0.7                     |
| 0490_03    | 0 ppm   | Week : 1      | 19.1                    | 32.1  | 60                         | 0.6                     |
| 0492_03    | 0 ppm   | Week : 3      | 18.9                    | 33.3  | 57                         | 0.7                     |
| 0493_03    | 0 ppm   | Week : 3      | 18.8                    | 33.5  | 56                         | 1.5                     |
| 0494_03    | 0 ppm   | Week : 3      | 18.5                    | 32.9  | 56                         | 0.6                     |
| 0496_03    | 0 ppm   | Week : 3      | 18.1                    | 32.8  | 55                         | 0.9                     |
| 0497_03    | 0 ppm   | Week : 3      | 18.7                    | 33.5  | 56                         | 0.8                     |
| 0498_03    | 0 ppm   | Week : 3      | 19.2                    | 33.7  | 57                         | 0.7                     |
| 0499_03    | 0 ppm   | Week : 3      | 20.1                    | 35.5  | 57                         | 0.2                     |
| 0500_03    | 0 ppm   | Week : 3      | 18.5                    | 33.9  | 55                         | 0.6                     |
| 0501_03    | 750 ppm | Week : 1      | 20.7                    | 34.9  | 59                         | 1.7                     |
| 0502_03    | 750 ppm | Week : 1      | 20.1                    | 34.5  | 58                         | 0.8                     |
| 0503_03    | 750 ppm | Week : 1      | 20.6                    | 33.9  | 61                         | 1                       |
| 0504_03    | 750 ppm | Week : 1      | 19.7                    | 32.6  | 60                         | 0.9                     |
| 0505_03    | 750 ppm | Week : 1      | 20.3                    | 34.3  | 59                         | 1.6                     |
| 0506_03    | 750 ppm | Week : 1      | 20.4                    | 33.2  | 61                         | 0.6                     |
| 0507_03    | 750 ppm | Week : 1      | 20.3                    | 33.7  | 60                         | 1.6                     |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P44: Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:36

First Dose M/F: NA / NA

Lab: NA

FEMALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0508_03    | 750 ppm  | Week : 1      | 20.4                    | 34.2  | 60                         | 1.3                     |
| 0509_03    | 750 ppm  | Week : 1      | 20.6                    | 35.3  | 58                         | 0.8                     |
| 0510_03    | 750 ppm  | Week : 1      | 20.4                    | 34.9  | 59                         | 1.3                     |
| 0511_03    | 750 ppm  | Week : 3      | 20.1                    | 34.3  | 58                         | 0.8                     |
| 0512_03    | 750 ppm  | Week : 3      | 17.7                    | 31.6  | 56                         | 0.4                     |
| 0513_03    | 750 ppm  | Week : 3      | 19.6                    | 34.4  | 57                         | 0.7                     |
| 0514_03    | 750 ppm  | Week : 3      | 19.1                    | 33.2  | 58                         | 0.6                     |
| 0516_03    | 750 ppm  | Week : 3      | 19.6                    | 33.8  | 58                         | 1.1                     |
| 0517_03    | 750 ppm  | Week : 3      | 19.1                    | 34.7  | 55                         | 0.6                     |
| 0518_03    | 750 ppm  | Week : 3      | 19.3                    | 32.5  | 59                         | 1.1                     |
| 0519_03    | 750 ppm  | Week : 3      | 19                      | 33.3  | 57                         | 0.8                     |
| 0521_03    | 1500 ppm | Week : 1      | 20.5                    | 33.4  | 61                         | 1.1                     |
| 0522_03    | 1500 ppm | Week : 1      | 20.4                    | 33.8  | 60                         | 0.7                     |
| 0523_03    | 1500 ppm | Week : 1      | 20.1                    | 33.6  | 60                         | 1.2                     |
| 0524_03    | 1500 ppm | Week : 1      | 21.2                    | 34.7  | 61                         | 1.3                     |
| 0525_03    | 1500 ppm | Week : 1      | 19.2                    | 31.4  | 61                         | 2                       |
| 0526_03    | 1500 ppm | Week : 1      | 20.1                    | 33.4  | 60                         | 0.4                     |
| 0527_03    | 1500 ppm | Week : 1      | 20.3                    | 33.5  | 61                         | 0.4                     |
| 0528_03    | 1500 ppm | Week : 1      | 21                      | 33.2  | 63                         | 1                       |
| 0529_03    | 1500 ppm | Week : 1      | 20.7                    | 34.3  | 60                         | 0.8                     |
| 0530_03    | 1500 ppm | Week : 1      | 20.1                    | 32.7  | 61                         | 1.4                     |

## FEMALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0531_03    | 1500 ppm | Week : 3      | 19.7                    | 34.1  | 58                         | 1.1                     |
| 0532_03    | 1500 ppm | Week : 3      | 20.3                    | 33.9  | 60                         | 0.7                     |
| 0533_03    | 1500 ppm | Week : 3      | 20.3                    | 32.7  | 62                         | 0.4                     |
| 0535_03    | 1500 ppm | Week : 3      | 19.6                    | 33.1  | 59                         | 0.6                     |
| 0536_03    | 1500 ppm | Week : 3      | 20                      | 32.3  | 62                         | 1                       |
| 0537_03    | 1500 ppm | Week : 3      | 20.9                    | 33.8  | 62                         | 0.6                     |
| 0538_03    | 1500 ppm | Week : 3      | 19.5                    | 32  | 61                         | 1.1                     |
| 0539_03    | 1500 ppm | Week : 3      | 20.3                    | 33.9  | 60                         | 0.7                     |
| 0540_03    | 1500 ppm | Week : 3      | 21.7                    | 35.1  | 62                         | 0.2                     |
| 0541_03    | 3000 ppm | Week : 1      | 20.8                    | 33.2  | 63                         | 0.9                     |
| 0542_03    | 3000 ppm | Week : 1      | 21.5                    | 32.6  | 66                         | 1.7                     |
| 0543_03    | 3000 ppm | Week : 1      | 21.4                    | 34.1  | 63                         | 0.5                     |
| 0544_03    | 3000 ppm | Week : 1      | 21.1                    | 33.2  | 64                         | 1                       |
| 0546_03    | 3000 ppm | Week : 1      | 21.8                    | 31.6  | 69                         | 1.8                     |
| 0547_03    | 3000 ppm | Week : 1      | 21.7                    | 31.7  | 68                         | 0.8                     |
| 0548_03    | 3000 ppm | Week : 1      | 23.2                    | 35.7  | 65                         | 2.1                     |
| 0549_03    | 3000 ppm | Week : 1      | 23.1                    | 34.3  | 68                         | 2.1                     |
| 0550_03    | 3000 ppm | Week : 1      | 20.6                    | 34.6  | 60                         | 0.5                     |
| 0551_03    | 3000 ppm | Week : 3      | 20.6                    | 32.6  | 63                         | 0.6                     |
| 0552_03    | 3000 ppm | Week : 3      | 20.1                    | 32.1  | 63                         | 0.6                     |
| 0553_03    | 3000 ppm | Week : 3      | 21                      | 33  | 64                         | 0.7                     |

## FEMALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0554_03    | 3000 ppm | Week : 3      | 20.5                    | 32.1  | 64                         | 2                       |
| 0555_03    | 3000 ppm | Week : 3      | 21.6                    | 33.8  | 64                         | 0.6                     |
| 0556_03    | 3000 ppm | Week : 3      | 20.8                    | 32  | 65                         | 1.3                     |
| 0557_03    | 3000 ppm | Week : 3      | 21.5                    | 33.9  | 63                         | 0.6                     |
| 0558_03    | 3000 ppm | Week : 3      | 19.8                    | 31.9  | 62                         | 0.8                     |
| 0559_03    | 3000 ppm | Week : 3      | 20.2                    | 32.6  | 62                         | 0.9                     |
| 0560_03    | 3000 ppm | Week : 3      | 19.6                    | 32.3  | 61                         | 0.4                     |
| 0561_03    | 4500 ppm | Week : 1      | 23.3                    | 34.2  | 68                         | 1.8                     |
| 0562_03    | 4500 ppm | Week : 1      | 22.7                    | 31.7  | 72                         | 2.2                     |
| 0563_03    | 4500 ppm | Week : 1      | 23.3                    | 33.9  | 69                         | 1.4                     |
| 0564_03    | 4500 ppm | Week : 1      | 26.3                    | 34.4  | 77                         | 1.1                     |
| 0565_03    | 4500 ppm | Week : 1      | 23.3                    | 33  | 71                         | 0.8                     |
| 0566_03    | 4500 ppm | Week : 1      | 24                      | 31.6  | 76                         | 2.2                     |
| 0567_03    | 4500 ppm | Week : 1      | 24.2                    | 31.5  | 77                         | 1.9                     |
| 0568_03    | 4500 ppm | Week : 1      | 22.4                    | 33  | 68                         | 1                       |
| 0569_03    | 4500 ppm | Week : 1      | 25.7                    | 33  | 78                         | 1                       |
| 0570_03    | 4500 ppm | Week : 1      | 24                      | 31.3  | 77                         | 1.7                     |
| 0571_03    | 4500 ppm | Week : 3      | 20.5                    | 30.6  | 67                         | 0.2                     |
| 0572_03    | 4500 ppm | Week : 3      | 21.4                    | 33  | 65                         | 0.5                     |
| 0573_03    | 4500 ppm | Week : 3      | 20.9                    | 32.7  | 64                         | 0.6                     |
| 0574_03    | 4500 ppm | Week : 3      | 20.7                    | 30.1  | 69                         | 1                       |

## FEMALE

| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration g per dL | Mean Corpuscular Volume fL | Methemoglobin Pct Hgb % |
|------------|----------|---------------|-------------------------|---|----------------------------|-------------------------|
| 0575_03    | 4500 ppm | Week : 3      | 20.6                    | 32.7  | 63                         | 0.4                     |
| 0576_03    | 4500 ppm | Week : 3      | 20.5                    | 32.5  | 63                         | 0.8                     |
| 0577_03    | 4500 ppm | Week : 3      | 20.3                    | 31.6  | 64                         | 0.6                     |
| 0578_03    | 4500 ppm | Week : 3      | 22.3                    | 34.3  | 65                         | 0.9                     |
| 0579_03    | 4500 ppm | Week : 3      | 20.9                    | 32.2  | 65                         | 0.8                     |
| 0580_03    | 4500 ppm | Week : 3      | 22.3                    | 33.9  | 66                         | 0.8                     |
| 0581_03    | 6000 ppm | Week : 1      | 24.5                    | 30.9  | 79                         | 1.7                     |
| 0582_03    | 6000 ppm | Week : 1      | 22.7                    | 31.2  | 73                         | 0.5                     |
| 0583_03    | 6000 ppm | Week : 1      | 27.8                    | 34.2  | 81                         | 1.5                     |
| 0584_03    | 6000 ppm | Week : 1      | 22.7                    | 32.8  | 69                         | 1.3                     |
| 0585_03    | 6000 ppm | Week : 1      | 25.5                    | 34.2  | 75                         | 1.7                     |
| 0586_03    | 6000 ppm | Week : 1      | 24                      | 32.2  | 74                         | 2.1                     |
| 0587_03    | 6000 ppm | Week : 1      | 25                      | 35.1  | 71                         | 2                       |
| 0588_03    | 6000 ppm | Week : 1      | 22.2                    | 33.6  | 66                         | 0.7                     |
| 0589_03    | 6000 ppm | Week : 1      | 24.8                    | 32.2  | 77                         | 1.6                     |
| 0590_03    | 6000 ppm | Week : 1      | 23.6                    | 32.7  | 72                         | 1.7                     |
| 0591_03    | 6000 ppm | Week : 3      | 21.7                    | 30.6  | 71                         | 0.6                     |
| 0592_03    | 6000 ppm | Week : 3      | 21.7                    | 31  | 70                         | 0.5                     |
| 0593_03    | 6000 ppm | Week : 3      | 21.4                    | 29.7  | 72                         | 1                       |
| 0594_03    | 6000 ppm | Week : 3      | 21.6                    | 32.2  | 67                         | 1                       |
| 0595_03    | 6000 ppm | Week : 3      | 20.5                    | 30.1  | 68                         | 0.4                     |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:36

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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| Animal No. | Dose     | Time In Study | Mean Cell Hemoglobin<br>pg | Mean Cell Hemoglobin<br>Concentration<br>g per dL | Mean Corpuscular<br>Volume<br>fL | Methemoglobin<br>Pct Hgb<br>% |
|------------|----------|---------------|----------------------------|---|----------------------------------|-------------------------------|
| 0596_03    | 6000 ppm | Week : 3      | 20.7                       | 29.4  | 71                               | 0.8                           |
| 0597_03    | 6000 ppm | Week : 3      | 20.3                       | 30.9  | 66                               | 0.6                           |
| 0598_03    | 6000 ppm | Week : 3      | 21                         | 29.2  | 72                               | 0.4                           |
| 0599_03    | 6000 ppm | Week : 3      | 22.9                       | 32.1  | 71                               | 0.6                           |
| 0600_03    | 6000 ppm | Week : 3      | 21.6                       | 28.2  | 77                               | 0.5                           |

## FEMALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0061_03    | 0 ppm    | Week : 13     | 0                             | 0                                     | 699                           | 8.46                                      |
| 0062_03    | 0 ppm    | Week : 13     | 0.08                          | 0                                     | 665                           | 8.61                                      |
| 0063_03    | 0 ppm    | Week : 13     | 0.09                          | 0                                     | 663                           | 7.95                                      |
| 0064_03    | 0 ppm    | Week : 13     | 0.05                          | 0                                     | 747                           | 8.24                                      |
| 0065_03    | 0 ppm    | Week : 13     | 0.06                          | 0                                     | 664                           | 7.8                                       |
| 0066_03    | 0 ppm    | Week : 13     | 0                             | 0.21*                                 | 803                           | 8.42                                      |
| 0067_03    | 0 ppm    | Week : 13     | 0.15                          | 0.07                                  | 664                           | 7.75                                      |
| 0068_03    | 0 ppm    | Week : 13     | 0.13                          | 0                                     | 732                           | 8.05                                      |
| 0069_03    | 0 ppm    | Week : 13     | 0                             | 0                                     | 629                           | 8.07                                      |
| 0070_03    | 0 ppm    | Week : 13     | 0                             | 0.06                                  | 647                           | 8.18                                      |
| 0071_03    | 750 ppm  | Week : 13     | 0                             | 0                                     | 675                           | 7.26                                      |
| 0072_03    | 750 ppm  | Week : 13     | 0.22                          | 0                                     | 671                           | 8.12                                      |
| 0073_03    | 750 ppm  | Week : 13     | 0.25                          | 0                                     | 753                           | 8.6                                       |
| 0074_03    | 750 ppm  | Week : 13     | 0                             | 0                                     | 596                           | 7.17                                      |
| 0075_03    | 750 ppm  | Week : 13     | 0.13                          | 0                                     | 620                           | 7.51                                      |
| 0076_03    | 750 ppm  | Week : 13     | 0.05                          | 0.1                                   | 616                           | 7.74                                      |
| 0077_03    | 750 ppm  | Week : 13     | 0.07                          | 0                                     | 642                           | 7.8                                       |
| 0078_03    | 750 ppm  | Week : 13     | 0.06                          | 0.06                                  | 661                           | 7.34                                      |
| 0079_03    | 750 ppm  | Week : 13     | 0                             | 0.12                                  | 648                           | 7.4                                       |
| 0080_03    | 750 ppm  | Week : 13     | 0.1                           | 0.05                                  | 657                           | 7   |
| 0081_03    | 1500 ppm | Week : 13     | 0                             | 0                                     | 642                           | 6.62                                      |
| 0082_03    | 1500 ppm | Week : 13     | 0.04                          | 0                                     | 653                           | 6.92                                      |

## FEMALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0083_03    | 1500 ppm | Week : 13     | 0.08                          | 0                                     | 701                           | 7.27                                      |
| 0084_03    | 1500 ppm | Week : 13     | 0                             | 0                                     | 892                           | 6.97                                      |
| 0085_03    | 1500 ppm | Week : 13     | 0.11                          | 0                                     | 707                           | 8.15                                      |
| 0086_03    | 1500 ppm | Week : 13     | 0.07                          | 0.07                                  | 636                           | 6.87                                      |
| 0087_03    | 1500 ppm | Week : 13     | 0                             | 0                                     | 730                           | 7.23                                      |
| 0088_03    | 1500 ppm | Week : 13     | 0.05                          | 0                                     | 648                           | 6.69                                      |
| 0089_03    | 1500 ppm | Week : 13     | 0.17                          | 0.06                                  | 646                           | 7.06                                      |
| 0090_03    | 1500 ppm | Week : 13     | 0                             | 0.1                                   | 629                           | 7.12                                      |
| 0091_03    | 3000 ppm | Week : 13     | 0.05                          | 0                                     | 546                           | 7.04                                      |
| 0092_03    | 3000 ppm | Week : 13     | 0.07                          | 0.07                                  | 591                           | 7   |
| 0093_03    | 3000 ppm | Week : 13     | 0                             | 0.18                                  | 523                           | 6.8                                       |
| 0094_03    | 3000 ppm | Week : 13     | 0.06                          | 0                                     | 554                           | 6.84                                      |
| 0095_03    | 3000 ppm | Week : 13     | 0                             | 0.07                                  | 763                           | 7.78                                      |
| 0096_03    | 3000 ppm | Week : 13     | 0                             | 0                                     | 536                           | 6.61                                      |
| 0097_03    | 3000 ppm | Week : 13     | 0                             | 0.09                                  | 577                           | 7.12                                      |
| 0098_03    | 3000 ppm | Week : 13     | 0.06                          | 0                                     | 595                           | 6.43                                      |
| 0099_03    | 3000 ppm | Week : 13     | 0.05                          | 0.05                                  | 545                           | 7.16                                      |
| 0100_03    | 3000 ppm | Week : 13     | 0                             | 0                                     | 551                           | 7.24                                      |
| 0101_03    | 4500 ppm | Week : 13     | 0.05                          | 0.05                                  | 493                           | 7.25                                      |
| 0102_03    | 4500 ppm | Week : 13     | 0                             | 0.06                                  | 499                           | 6.66                                      |
| 0103_03    | 4500 ppm | Week : 13     | 0.25                          | 0.25                                  | 481                           | 6.27                                      |
| 0104_03    | 4500 ppm | Week : 13     | 0                             | 0                                     | 520                           | 7.3                                       |

## FEMALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0104_03    | 4500 ppm | Week : 13     | 0                             | 0                                     | 520                           | 7.3                                       |
| 0105_03    | 4500 ppm | Week : 13     | 0.06                          | 0                                     | 467                           | 6.58                                      |
| 0106_03    | 4500 ppm | Week : 13     | 0.06                          | 0.18                                  | 561                           | 6.62                                      |
| 0107_03    | 4500 ppm | Week : 13     | 0                             | 0                                     | 472                           | 6.99                                      |
| 0108_03    | 4500 ppm | Week : 13     | 0                             | 0.08                                  | 520                           | 6.71                                      |
| 0109_03    | 4500 ppm | Week : 13     | 0.12                          | 0.12                                  | 461                           | 7.15                                      |
| 0110_03    | 4500 ppm | Week : 13     | 0                             | 0.28                                  | 482                           | 6.42                                      |
| 0111_03    | 6000 ppm | Week : 13     | 0.05                          | 0                                     | 473                           | 7.01                                      |
| 0112_03    | 6000 ppm | Week : 13     | 0.23                          | 0.23                                  | 509                           | 7.16                                      |
| 0113_03    | 6000 ppm | Week : 13     | 0.09                          | 0.19                                  | 492                           | 6.17                                      |
| 0114_03    | 6000 ppm | Week : 13     | 0.05                          | 0.1                                   | 575                           | 7.03                                      |
| 0116_03    | 6000 ppm | Week : 13     | 0.08                          | 0.19                                  | 468                           | 6.14                                      |
| 0117_03    | 6000 ppm | Week : 13     | 0.12                          | 0.12                                  | 497                           | 6.11                                      |
| 0118_03    | 6000 ppm | Week : 13     | 0.05                          | 0.09                                  | 457                           | 6.39                                      |
| 0119_03    | 6000 ppm | Week : 13     | 0.08                          | 0.38                                  | 492                           | 6.68                                      |
| 0120_03    | 6000 ppm | Week : 13     | 0                             | 0.17                                  | 498                           | 6.49                                      |
| 0481_03    | 0 ppm    | Week : 1      | 0.29                          | 0                                     | 797                           | 8.11                                      |
| 0482_03    | 0 ppm    | Week : 1      | 0.22                          | 0                                     | 929                           | 8.38                                      |
| 0483_03    | 0 ppm    | Week : 1      | 0                             | 0.08                                  | 890                           | 7.51                                      |
| 0484_03    | 0 ppm    | Week : 1      | 0.08                          | 0                                     | 965                           | 7.82                                      |
| 0485_03    | 0 ppm    | Week : 1      | 0.07                          | 0.14                                  | 954                           | 7.88                                      |
| 0486_03    | 0 ppm    | Week : 1      | 0.16                          | 0.16                                  | 872                           | 8.55                                      |

## FEMALE

| Animal No. | Dose    | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|---------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0487_03    | 0 ppm   | Week : 1      | 0.09                          | 0                                     | 910                           | 8   |
| 0488_03    | 0 ppm   | Week : 1      | 0.08                          | 0                                     | 851                           | 7.74                                      |
| 0489_03    | 0 ppm   | Week : 1      | 0.26                          | 0                                     | 990                           | 7.75                                      |
| 0490_03    | 0 ppm   | Week : 1      | 0.16                          | 0.16                                  | 1190                          | 8.05                                      |
| 0492_03    | 0 ppm   | Week : 3      | 0                             | 0                                     | 793                           | 7.97                                      |
| 0493_03    | 0 ppm   | Week : 3      | 0.08                          | 0                                     | 855                           | 8   |
| 0494_03    | 0 ppm   | Week : 3      | 0.19                          | 0                                     | 715                           | 8.07                                      |
| 0496_03    | 0 ppm   | Week : 3      | 0.18                          | 0.09                                  | 773                           | 9.4                                       |
| 0497_03    | 0 ppm   | Week : 3      | 0.33                          | 0                                     | 798                           | 8.63                                      |
| 0498_03    | 0 ppm   | Week : 3      | 0.1                           | 0                                     | 861                           | 8.71                                      |
| 0499_03    | 0 ppm   | Week : 3      | 0.35                          | 0                                     | 881                           | 8   |
| 0500_03    | 0 ppm   | Week : 3      | 0                             | 0                                     | 876                           | 9.08                                      |
| 0501_03    | 750 ppm | Week : 1      | 0.23                          | 0.15                                  | 926                           | 7.21                                      |
| 0502_03    | 750 ppm | Week : 1      | 0.08                          | 0.08                                  | 871                           | 7.97                                      |
| 0503_03    | 750 ppm | Week : 1      | 0.37                          | 0.18                                  | 1126                          | 7.51                                      |
| 0504_03    | 750 ppm | Week : 1      | 0.06                          | 0.13                                  | 938                           | 7.58                                      |
| 0505_03    | 750 ppm | Week : 1      | 0.16                          | 0                                     | 878                           | 7.3                                       |
| 0506_03    | 750 ppm | Week : 1      | 0.1                           | 0.1                                   | 950                           | 7.5                                       |
| 0507_03    | 750 ppm | Week : 1      | 0                             | 0.16                                  | 913                           | 7.53                                      |
| 0508_03    | 750 ppm | Week : 1      | 0.15                          | 0.22                                  | 965                           | 7.44                                      |
| 0509_03    | 750 ppm | Week : 1      | 0.08                          | 0                                     | 1184                          | 7.76                                      |
| 0510_03    | 750 ppm | Week : 1      | 0                             | 0                                     | 839                           | 7.29                                      |

## FEMALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0510_03    | 750 ppm  | Week : 1      | 0                             | 0                                     | 839                           | 7.29                                      |
| 0511_03    | 750 ppm  | Week : 3      | 0                             | 0                                     | 787                           | 7.87                                      |
| 0512_03    | 750 ppm  | Week : 3      | 0.22                          | 0                                     | 789                           | 8.47                                      |
| 0513_03    | 750 ppm  | Week : 3      | 0.14                          | 0                                     | 739                           | 7.81                                      |
| 0514_03    | 750 ppm  | Week : 3      | 0                             | 0                                     | 713                           | 7.99                                      |
| 0516_03    | 750 ppm  | Week : 3      | 0.16                          | 0                                     | 973                           | 8.36                                      |
| 0517_03    | 750 ppm  | Week : 3      | 0.09                          | 0                                     | 812                           | 8.22                                      |
| 0518_03    | 750 ppm  | Week : 3      | 0.09                          | 0                                     | 812                           | 8.2                                       |
| 0519_03    | 750 ppm  | Week : 3      | 0.17                          | 0.06                                  | 818                           | 8.3                                       |
| 0521_03    | 1500 ppm | Week : 1      | 0.23                          | 0.3                                   | 1166                          | 7.07                                      |
| 0522_03    | 1500 ppm | Week : 1      | 0.05                          | 0                                     | 857                           | 7.01                                      |
| 0523_03    | 1500 ppm | Week : 1      | 0.09                          | 0.18                                  | 817                           | 7.17                                      |
| 0524_03    | 1500 ppm | Week : 1      | 0.06                          | 0.06                                  | 865                           | 6.94                                      |
| 0525_03    | 1500 ppm | Week : 1      | 0.12                          | 0                                     | 879                           | 7.55                                      |
| 0526_03    | 1500 ppm | Week : 1      | 0.18                          | 0.09                                  | 831                           | 7.65                                      |
| 0527_03    | 1500 ppm | Week : 1      | 0.47                          | 0.09                                  | 766                           | 7.43                                      |
| 0528_03    | 1500 ppm | Week : 1      | 0.19                          | 0.19                                  | 957                           | 6.9                                       |
| 0529_03    | 1500 ppm | Week : 1      | 0                             | 0.1                                   | 1234                          | 6.95                                      |
| 0530_03    | 1500 ppm | Week : 1      | 0.07                          | 0.07                                  | 840                           | 7.17                                      |
| 0531_03    | 1500 ppm | Week : 3      | 0.04                          | 0.04                                  | 659                           | 8.49                                      |
| 0532_03    | 1500 ppm | Week : 3      | 0.19                          | 0                                     | 785                           | 7.45                                      |
| 0533_03    | 1500 ppm | Week : 3      | 0.1                           | 0                                     | 973                           | 7.48                                      |

Experiment Number: 05197-03

P44: Hematology Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 18:13:36

First Dose M/F: NA / NA

Lab: NA

## FEMALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0535_03    | 1500 ppm | Week : 3      | 0.4                           | 0.1                                   | 818                           | 8.15                                      |
| 0536_03    | 1500 ppm | Week : 3      | 0.07                          | 0                                     | 737                           | 7.88                                      |
| 0537_03    | 1500 ppm | Week : 3      | 0.06                          | 0                                     | 788                           | 7.31                                      |
| 0538_03    | 1500 ppm | Week : 3      | 0                             | 0                                     | 839                           | 7.98                                      |
| 0539_03    | 1500 ppm | Week : 3      | 0                             | 0                                     | 774                           | 7.59                                      |
| 0540_03    | 1500 ppm | Week : 3      | 0.07                          | 0                                     | 819                           | 7.15                                      |
| 0541_03    | 3000 ppm | Week : 1      | 0.33                          | 0.77                                  | 1096                          | 6.78                                      |
| 0542_03    | 3000 ppm | Week : 1      | 0.41                          | 1.36                                  | 933                           | 5.85                                      |
| 0543_03    | 3000 ppm | Week : 1      | 0.23                          | 0.16                                  | 899                           | 6.51                                      |
| 0544_03    | 3000 ppm | Week : 1      | 0.15                          | 0.3                                   | 1108                          | 6.21                                      |
| 0546_03    | 3000 ppm | Week : 1      | 0.21                          | 1.06                                  | 1312                          | 5.59                                      |
| 0547_03    | 3000 ppm | Week : 1      | 0.9                           | 1.8                                   | 927                           | 5.8                                       |
| 0548_03    | 3000 ppm | Week : 1      | 0.25                          | 1.01                                  | 1168                          | 5.72                                      |
| 0549_03    | 3000 ppm | Week : 1      | 0                             | 0.57                                  | 978                           | 5.27                                      |
| 0550_03    | 3000 ppm | Week : 1      | 0.37                          | 0.22                                  | 991                           | 6.85                                      |
| 0551_03    | 3000 ppm | Week : 3      | 0.06                          | 0                                     | 807                           | 7.56                                      |
| 0552_03    | 3000 ppm | Week : 3      | 0.17                          | 0                                     | 637                           | 7.6                                       |
| 0553_03    | 3000 ppm | Week : 3      | 0.06                          | 0                                     | 731                           | 7.19                                      |
| 0554_03    | 3000 ppm | Week : 3      | 0.15                          | 0                                     | 772                           | 7.4                                       |
| 0555_03    | 3000 ppm | Week : 3      | 0.09                          | 0                                     | 849                           | 6.91                                      |
| 0556_03    | 3000 ppm | Week : 3      | 0.07                          | 0                                     |                               | 7.17                                      |
| 0557_03    | 3000 ppm | Week : 3      | 0.37                          | 0                                     | 755                           | 7.08                                      |

## FEMALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0557_03    | 3000 ppm | Week : 3      | 0.37                          | 0                                     | 755                           | 7.08                                      |
| 0558_03    | 3000 ppm | Week : 3      | 0.17                          | 0                                     | 681                           | 7.96                                      |
| 0559_03    | 3000 ppm | Week : 3      | 0                             | 0                                     | 746                           | 7.83                                      |
| 0560_03    | 3000 ppm | Week : 3      | 0.45                          | 0                                     | 813                           | 7.84                                      |
| 0561_03    | 4500 ppm | Week : 1      | 0                             | 1.11                                  | 927                           | 5.5                                       |
| 0562_03    | 4500 ppm | Week : 1      | 0.56                          | 1.97                                  | 1146                          | 5.76                                      |
| 0563_03    | 4500 ppm | Week : 1      | 0.24                          | 5.26                                  | 1142                          | 6.05                                      |
| 0564_03    | 4500 ppm | Week : 1      | 0.44                          | 11.91                                 | 1194                          | 5.05                                      |
| 0565_03    | 4500 ppm | Week : 1      | 0                             | 6.26                                  | 1128                          | 5.91                                      |
| 0566_03    | 4500 ppm | Week : 1      | 0.48                          | 5.75                                  | 1092                          | 5.37                                      |
| 0567_03    | 4500 ppm | Week : 1      | 3.16                          | 7.36                                  | 1244                          | 5.62                                      |
| 0568_03    | 4500 ppm | Week : 1      | 0                             | 1.7                                   | 998                           | 6.12                                      |
| 0569_03    | 4500 ppm | Week : 1      | 0.95                          | 9.96                                  | 1154                          | 5.3                                       |
| 0570_03    | 4500 ppm | Week : 1      | 0.74                          | 9.99                                  | 1164                          | 5.63                                      |
| 0571_03    | 4500 ppm | Week : 3      | 0                             | 0                                     | 701                           | 7.35                                      |
| 0572_03    | 4500 ppm | Week : 3      | 0                             | 0                                     | 684                           | 7.16                                      |
| 0573_03    | 4500 ppm | Week : 3      | 0.43                          | 0                                     | 752                           | 6.71                                      |
| 0574_03    | 4500 ppm | Week : 3      | 0                             | 0                                     | 685                           | 6.94                                      |
| 0575_03    | 4500 ppm | Week : 3      | 0.07                          | 0                                     | 729                           | 7.19                                      |
| 0576_03    | 4500 ppm | Week : 3      | 0.14                          | 0                                     | 794                           | 7.66                                      |
| 0577_03    | 4500 ppm | Week : 3      | 0.13                          | 0.13                                  | 783                           | 7.54                                      |
| 0578_03    | 4500 ppm | Week : 3      | 0.21                          | 0.28                                  | 724                           | 7.17                                      |

## FEMALE

| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0579_03    | 4500 ppm | Week : 3      | 0.1                           | 0.1                                   | 748                           | 7.31                                      |
| 0580_03    | 4500 ppm | Week : 3      | 0.2                           | 0                                     | 794                           | 6.46                                      |
| 0581_03    | 6000 ppm | Week : 1      | 0.39                          | 7.39                                  | 1134                          | 5.01                                      |
| 0582_03    | 6000 ppm | Week : 1      | 0                             | 4.64                                  | 1128                          | 5.67                                      |
| 0583_03    | 6000 ppm | Week : 1      | 0.64                          | 1.59                                  | 1224                          | 5.4                                       |
| 0584_03    | 6000 ppm | Week : 1      | 0.2                           | 0.4                                   | 962                           | 5.82                                      |
| 0585_03    | 6000 ppm | Week : 1      | 0                             | 7.7                                   | 970                           | 5.01                                      |
| 0586_03    | 6000 ppm | Week : 1      | 1.17                          | 5.83                                  | 1378                          | 5.8                                       |
| 0587_03    | 6000 ppm | Week : 1      | 0.27                          | 6.16                                  | 1168                          | 5.12                                      |
| 0588_03    | 6000 ppm | Week : 1      | 0.29                          | 0.44                                  | 908                           | 6.43                                      |
| 0589_03    | 6000 ppm | Week : 1      | 0                             | 9.14                                  | 1132                          | 5.21                                      |
| 0590_03    | 6000 ppm | Week : 1      | 0                             | 6.41                                  | 973                           | 5.5                                       |
| 0591_03    | 6000 ppm | Week : 3      | 0.15                          | 0                                     | 744                           | 6.59                                      |
| 0592_03    | 6000 ppm | Week : 3      | 0.25                          | 0                                     | 638                           | 6.83                                      |
| 0593_03    | 6000 ppm | Week : 3      | 0.25                          | 0                                     | 710                           | 6.62                                      |
| 0594_03    | 6000 ppm | Week : 3      | 0.27                          | 0.18                                  | 777                           | 6.75                                      |
| 0595_03    | 6000 ppm | Week : 3      | 0.06                          | 0.07                                  | 643                           | 6.97                                      |
| 0596_03    | 6000 ppm | Week : 3      | 0.18                          | 0.36                                  | 692                           | 7.09                                      |
| 0597_03    | 6000 ppm | Week : 3      | 0.26                          | 0.09                                  | 738                           | 7.25                                      |
| 0598_03    | 6000 ppm | Week : 3      | 0.17                          | 0.16                                  | 764                           | 6.67                                      |
| 0599_03    | 6000 ppm | Week : 3      | 0.09                          | 0                                     | 670                           | 6.17                                      |
| 0600_03    | 6000 ppm | Week : 3      | 0.18                          | 0.43                                  | 682                           | 6.43                                      |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:37

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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| Animal No. | Dose     | Time In Study | Monocyte Count<br>1000 per uL | Nucleated Rbc<br>Count<br>1000 per uL | Platelet Count<br>1000 per uL | Red Blood Cell<br>Count<br>million per uL |
|------------|----------|---------------|-------------------------------|---------------------------------------|-------------------------------|---|
| 0600_03    | 6000 ppm | Week : 3      | 0.18                          | 0.43                                  | 682                           | 6.43                                      |

## FEMALE

| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0061_03    | 0 ppm    | Week : 13     | 0.06                                 | 1.33                                      | 5.8                                   |
| 0062_03    | 0 ppm    | Week : 13     | 0.15                                 | 1.18                                      | 7.9                                   |
| 0063_03    | 0 ppm    | Week : 13     | 0.04                                 | 0.69                                      | 4.3                                   |
| 0064_03    | 0 ppm    | Week : 13     | 0.27                                 | 0.88                                      | 5.5                                   |
| 0065_03    | 0 ppm    | Week : 13     | 0.16                                 | 1.05                                      | 6.2                                   |
| 0066_03    | 0 ppm    | Week : 13     | 0.18                                 | 4.14*                                     | 10.9*                                 |
| 0067_03    | 0 ppm    | Week : 13     | 0.07                                 | 1.04                                      | 7.4                                   |
| 0068_03    | 0 ppm    | Week : 13     | 0.04                                 | 1.49                                      | 6.5                                   |
| 0069_03    | 0 ppm    | Week : 13     | 0.1                                  | 0.5                                       | 8.4                                   |
| 0070_03    | 0 ppm    | Week : 13     | 0.16                                 | 0.29                                      | 5.8                                   |
| 0071_03    | 750 ppm  | Week : 13     | 0.33                                 | 1.3                                       | 6.2                                   |
| 0072_03    | 750 ppm  | Week : 13     | 0.19                                 | 0.32                                      | 5.4                                   |
| 0073_03    | 750 ppm  | Week : 13     | 0.09                                 | 2.18                                      | 8.4                                   |
| 0074_03    | 750 ppm  | Week : 13     | 0.1                                  | 0.43                                      | 4.3                                   |
| 0075_03    | 750 ppm  | Week : 13     | 0.14                                 | 1.36                                      | 6.5                                   |
| 0076_03    | 750 ppm  | Week : 13     | 0.21                                 | 0.31                                      | 5.2                                   |
| 0077_03    | 750 ppm  | Week : 13     | 0.08                                 | 2.57                                      | 6.6                                   |
| 0078_03    | 750 ppm  | Week : 13     | 0.12                                 | 1.34                                      | 6.1                                   |
| 0079_03    | 750 ppm  | Week : 13     | 0.3                                  | 1.38                                      | 6                                     |
| 0080_03    | 750 ppm  | Week : 13     | 0.13                                 | 0.82                                      | 5.1                                   |
| 0081_03    | 1500 ppm | Week : 13     | 0.15                                 | 0.93                                      | 6                                     |
| 0082_03    | 1500 ppm | Week : 13     | 0.17                                 | 0.58                                      | 4.5                                   |

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**FEMALE**


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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0083_03    | 1500 ppm | Week : 13     | 0.22                                 | 2.46                                      | 7.7                                   |
| 0084_03    | 1500 ppm | Week : 13     | 0.2                                  | 2.08                                      | 6.7                                   |
| 0085_03    | 1500 ppm | Week : 13     | 0.13                                 | 0.43                                      | 5.4                                   |
| 0086_03    | 1500 ppm | Week : 13     | 0.04                                 | 1.41                                      | 6.7                                   |
| 0087_03    | 1500 ppm | Week : 13     | 0.29                                 | 0.98                                      | 7                                     |
| 0088_03    | 1500 ppm | Week : 13     | 0.42                                 | 0.3                                       | 5                                     |
| 0089_03    | 1500 ppm | Week : 13     | 0.18                                 | 0.85                                      | 5.7                                   |
| 0090_03    | 1500 ppm | Week : 13     | 0.09                                 | 0.73                                      | 5.2                                   |
| 0091_03    | 3000 ppm | Week : 13     | 0.26                                 | 0.52                                      | 4.7                                   |
| 0092_03    | 3000 ppm | Week : 13     | 0.2                                  | 0.94                                      | 7.2                                   |
| 0093_03    | 3000 ppm | Week : 13     | 0.37                                 | 1.46                                      | 6.1                                   |
| 0094_03    | 3000 ppm | Week : 13     | 0.23                                 | 1.65                                      | 6.1                                   |
| 0095_03    | 3000 ppm | Week : 13     | 0.4                                  | 2.21                                      | 6.7                                   |
| 0096_03    | 3000 ppm | Week : 13     | 0.22                                 | 0.21                                      | 6.9                                   |
| 0097_03    | 3000 ppm | Week : 13     | 0.27                                 | 1.18                                      | 4.9                                   |
| 0098_03    | 3000 ppm | Week : 13     | 0.16                                 | 1.83                                      | 6.3                                   |
| 0099_03    | 3000 ppm | Week : 13     | 0.29                                 | 0.92                                      | 5.4                                   |
| 0100_03    | 3000 ppm | Week : 13     | 0.38                                 | 1   | 6.7                                   |
| 0101_03    | 4500 ppm | Week : 13     | 0.22                                 | 0.74                                      | 5.3                                   |
| 0102_03    | 4500 ppm | Week : 13     | 0.33                                 | 0.9                                       | 6.4                                   |
| 0103_03    | 4500 ppm | Week : 13     | 0.09                                 | 1.13                                      | 6.3                                   |
| 0104_03    | 4500 ppm | Week : 13     | 0.28                                 | 0.6                                       | 5                                     |

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**FEMALE**


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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0104_03    | 4500 ppm | Week : 13     | 0.28                                 | 0.6                                       | 5                                     |
| 0105_03    | 4500 ppm | Week : 13     | 0.13                                 | 0.99                                      | 5.8                                   |
| 0106_03    | 4500 ppm | Week : 13     | 0.42                                 | 1.89                                      | 6.1                                   |
| 0107_03    | 4500 ppm | Week : 13     | 0.14                                 | 1.71                                      | 5.9                                   |
| 0108_03    | 4500 ppm | Week : 13     | 0.4                                  | 0.66                                      | 8.3                                   |
| 0109_03    | 4500 ppm | Week : 13     | 0.21                                 | 1.1                                       | 5.8                                   |
| 0110_03    | 4500 ppm | Week : 13     | 0.59                                 | 0.45                                      | 5.6                                   |
| 0111_03    | 6000 ppm | Week : 13     | 0.5                                  | 1.15                                      | 5.5                                   |
| 0112_03    | 6000 ppm | Week : 13     | 0.04                                 | 1.15                                      | 7.7                                   |
| 0113_03    | 6000 ppm | Week : 13     | 0.23                                 | 2.35                                      | 9.4                                   |
| 0114_03    | 6000 ppm | Week : 13     | 0.34                                 | 1.38                                      | 5.1                                   |
| 0116_03    | 6000 ppm | Week : 13     | 0.18                                 | 1.39                                      | 8.2                                   |
| 0117_03    | 6000 ppm | Week : 13     | 0.49                                 | 0.98                                      | 6.1                                   |
| 0118_03    | 6000 ppm | Week : 13     | 0.13                                 | 0.94                                      | 4.7                                   |
| 0119_03    | 6000 ppm | Week : 13     | 0.3                                  | 1.22                                      | 7.6                                   |
| 0120_03    | 6000 ppm | Week : 13     | 0.21                                 | 1.09                                      | 8.4                                   |
| 0481_03    | 0 ppm    | Week : 1      | 0.22                                 | 0.79                                      | 7.2                                   |
| 0482_03    | 0 ppm    | Week : 1      | 0.2                                  | 0.8                                       | 7.3                                   |
| 0483_03    | 0 ppm    | Week : 1      | 0.17                                 | 0.83                                      | 8.3                                   |
| 0484_03    | 0 ppm    | Week : 1      | 0.14                                 | 1.08                                      | 8.3                                   |
| 0485_03    | 0 ppm    | Week : 1      | 0.16                                 | 1.93                                      | 6.9                                   |
| 0486_03    | 0 ppm    | Week : 1      | 0.33                                 | 1.7                                       | 8.1                                   |

## FEMALE

| Animal No. | Dose    | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|---------|---------------|--------------------------------------|---|---------------------------------------|
| 0487_03    | 0 ppm   | Week : 1      | 0.29                                 | 1.23                                      | 8.8                                   |
| 0488_03    | 0 ppm   | Week : 1      | 0.15                                 | 0.95                                      | 7.9                                   |
| 0489_03    | 0 ppm   | Week : 1      | 0.4                                  | 0.77                                      | 8.6                                   |
| 0490_03    | 0 ppm   | Week : 1      | 0.42                                 | 0.89                                      | 8.1                                   |
| 0492_03    | 0 ppm   | Week : 3      | 0.17                                 | 0.15                                      | 5.1                                   |
| 0493_03    | 0 ppm   | Week : 3      | 0.19                                 | 0.74                                      | 8.2                                   |
| 0494_03    | 0 ppm   | Week : 3      | 0.1                                  | 0.58                                      | 6.4                                   |
| 0496_03    | 0 ppm   | Week : 3      | 0.08                                 | 2.16                                      | 9                                     |
| 0497_03    | 0 ppm   | Week : 3      | 0.16                                 | 0.55                                      | 11.1                                  |
| 0498_03    | 0 ppm   | Week : 3      | 0.1                                  | 1.09                                      | 9.9                                   |
| 0499_03    | 0 ppm   | Week : 3      | 0.24                                 | 0.88                                      | 8.8                                   |
| 0500_03    | 0 ppm   | Week : 3      | 0.19                                 | 1.6                                       | 10                                    |
| 0501_03    | 750 ppm | Week : 1      | 0.46                                 | 0.69                                      | 7.7                                   |
| 0502_03    | 750 ppm | Week : 1      | 0.21                                 | 1.6                                       | 8                                     |
| 0503_03    | 750 ppm | Week : 1      | 0.35                                 | 0.37                                      | 9.2                                   |
| 0504_03    | 750 ppm | Week : 1      | 0.33                                 | 0.63                                      | 6.3                                   |
| 0505_03    | 750 ppm | Week : 1      | 0.21                                 | 0.94                                      | 7.8                                   |
| 0506_03    | 750 ppm | Week : 1      | 0.14                                 | 1.02                                      | 10.2                                  |
| 0507_03    | 750 ppm | Week : 1      | 0.22                                 | 0.72                                      | 8                                     |
| 0508_03    | 750 ppm | Week : 1      | 0.16                                 | 1.17                                      | 7.3                                   |
| 0509_03    | 750 ppm | Week : 1      | 0.26                                 | 0.59                                      | 8.4                                   |
| 0510_03    | 750 ppm | Week : 1      | 0.16                                 | 0.86                                      | 6.6                                   |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:37

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0510_03    | 750 ppm  | Week : 1      | 0.16                                 | 0.86                                      | 6.6                                   |
| 0511_03    | 750 ppm  | Week : 3      | 0.2                                  | 2   | 9.1                                   |
| 0512_03    | 750 ppm  | Week : 3      | 0.08                                 | 1.12                                      | 7.5                                   |
| 0513_03    | 750 ppm  | Week : 3      | 0.08                                 | 0.55                                      | 6.9                                   |
| 0514_03    | 750 ppm  | Week : 3      | 0.16                                 | 0.57                                      | 8.1                                   |
| 0516_03    | 750 ppm  | Week : 3      | 0.09                                 | 0.98                                      | 8.2                                   |
| 0517_03    | 750 ppm  | Week : 3      | 0.27                                 | 0.77                                      | 8.6                                   |
| 0518_03    | 750 ppm  | Week : 3      | 0.25                                 | 2.18                                      | 9.1                                   |
| 0519_03    | 750 ppm  | Week : 3      | 0.22                                 | 1.01                                      | 5.6                                   |
| 0521_03    | 1500 ppm | Week : 1      | 0.51                                 | 0.38                                      | 7.6                                   |
| 0522_03    | 1500 ppm | Week : 1      | 0.15                                 | 0.55                                      | 5                                     |
| 0523_03    | 1500 ppm | Week : 1      | 0.09                                 | 0.97                                      | 8.8                                   |
| 0524_03    | 1500 ppm | Week : 1      | 0.22                                 | 0.45                                      | 6.4                                   |
| 0525_03    | 1500 ppm | Week : 1      | 0.18                                 | 0.68                                      | 6.2                                   |
| 0526_03    | 1500 ppm | Week : 1      | 0.4                                  | 0.64                                      | 9.1                                   |
| 0527_03    | 1500 ppm | Week : 1      | 0.13                                 | 0.47                                      | 9.4                                   |
| 0528_03    | 1500 ppm | Week : 1      | 0.08                                 | 0.77                                      | 9.6                                   |
| 0529_03    | 1500 ppm | Week : 1      | 0.28                                 | 1.5                                       | 10                                    |
| 0530_03    | 1500 ppm | Week : 1      | 0.14                                 | 1.01                                      | 7.2                                   |
| 0531_03    | 1500 ppm | Week : 3      | 0.15                                 | 0.37                                      | 4.1                                   |
| 0532_03    | 1500 ppm | Week : 3      | 0.08                                 | 0.63                                      | 6.3                                   |
| 0533_03    | 1500 ppm | Week : 3      | 0.16                                 | 0.6                                       | 10                                    |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P44: Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:37

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0535_03    | 1500 ppm | Week : 3      | 0.2                                  | 1.09                                      | 9.9                                   |
| 0536_03    | 1500 ppm | Week : 3      | 0.18                                 | 0.58                                      | 7.2                                   |
| 0537_03    | 1500 ppm | Week : 3      | 0.07                                 | 0.25                                      | 6.3                                   |
| 0538_03    | 1500 ppm | Week : 3      | 0.07                                 | 1.78                                      | 9.9                                   |
| 0539_03    | 1500 ppm | Week : 3      | 0.14                                 | 1.09                                      | 9.1                                   |
| 0540_03    | 1500 ppm | Week : 3      | 0.2                                  | 0.92                                      | 7.1                                   |
| 0541_03    | 3000 ppm | Week : 1      | 0.74                                 | 0.77                                      | 11                                    |
| 0542_03    | 3000 ppm | Week : 1      | 0.18                                 | 2.18                                      | 13.6                                  |
| 0543_03    | 3000 ppm | Week : 1      | 0.79                                 | 0.7                                       | 7.8                                   |
| 0544_03    | 3000 ppm | Week : 1      | 0.27                                 | 0.97                                      | 7.5                                   |
| 0546_03    | 3000 ppm | Week : 1      | 0.83                                 | 2.95                                      | 21.1                                  |
| 0547_03    | 3000 ppm | Week : 1      | 0.74                                 | 3.6                                       | 18                                    |
| 0548_03    | 3000 ppm | Week : 1      | 0.72                                 | 0.63                                      | 12.7                                  |
| 0549_03    | 3000 ppm | Week : 1      | 0.42                                 | 0.38                                      | 9.5                                   |
| 0550_03    | 3000 ppm | Week : 1      | 0.3                                  | 1.11                                      | 7.4                                   |
| 0551_03    | 3000 ppm | Week : 3      | 0.14                                 | 0.36                                      | 6                                     |
| 0552_03    | 3000 ppm | Week : 3      | 0.22                                 | 1.76                                      | 8.4                                   |
| 0553_03    | 3000 ppm | Week : 3      | 0.13                                 | 0.38                                      | 6.3                                   |
| 0554_03    | 3000 ppm | Week : 3      | 0.17                                 | 0.95                                      | 7.3                                   |
| 0555_03    | 3000 ppm | Week : 3      | 0.14                                 | 1.04                                      | 9.5                                   |
| 0556_03    | 3000 ppm | Week : 3      | 0.04                                 | 0.52                                      | 7.5                                   |
| 0557_03    | 3000 ppm | Week : 3      | 0.21                                 | 1.49                                      | 12.4                                  |

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**FEMALE**

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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0557_03    | 3000 ppm | Week : 3      | 0.21                                 | 1.49                                      | 12.4                                  |
| 0558_03    | 3000 ppm | Week : 3      | 0.1                                  | 0.52                                      | 8.6                                   |
| 0559_03    | 3000 ppm | Week : 3      | 0.25                                 | 0.3                                       | 7.5                                   |
| 0560_03    | 3000 ppm | Week : 3      | 0.1                                  | 1.69                                      | 11.3                                  |
| 0561_03    | 4500 ppm | Week : 1      | 1.11                                 | 1.48                                      | 12.3                                  |
| 0562_03    | 4500 ppm | Week : 1      | 1.36                                 | 1.69                                      | 28.1                                  |
| 0563_03    | 4500 ppm | Week : 1      | 0.85                                 | 3.58                                      | 23.9                                  |
| 0564_03    | 4500 ppm | Week : 1      | 0.84                                 | 11.47                                     | 44.1                                  |
| 0565_03    | 4500 ppm | Week : 1      | 0.94                                 | 5.07                                      | 29.8                                  |
| 0566_03    | 4500 ppm | Week : 1      | 0.74                                 | 4.79                                      | 47.9                                  |
| 0567_03    | 4500 ppm | Week : 1      | 1.69                                 | 7.36                                      | 52.6                                  |
| 0568_03    | 4500 ppm | Week : 1      | 1.19                                 | 2.72                                      | 34                                    |
| 0569_03    | 4500 ppm | Week : 1      | 1.07                                 | 3.79                                      | 47.4                                  |
| 0570_03    | 4500 ppm | Week : 1      | 1.34                                 | 5.18                                      | 37                                    |
| 0571_03    | 4500 ppm | Week : 3      | 0.31                                 | 1.22                                      | 12.2                                  |
| 0572_03    | 4500 ppm | Week : 3      | 0.17                                 | 1.12                                      | 7                                     |
| 0573_03    | 4500 ppm | Week : 3      | 0.07                                 | 2.27                                      | 10.8                                  |
| 0574_03    | 4500 ppm | Week : 3      | 0.3                                  | 1.3                                       | 8.7                                   |
| 0575_03    | 4500 ppm | Week : 3      | 0.16                                 | 1.14                                      | 6.7                                   |
| 0576_03    | 4500 ppm | Week : 3      | 0.31                                 | 0.69                                      | 13.8                                  |
| 0577_03    | 4500 ppm | Week : 3      | 0.2                                  | 2.11                                      | 13.2                                  |
| 0578_03    | 4500 ppm | Week : 3      | 0.19                                 | 0.5                                       | 7.1                                   |

## FEMALE

| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0579_03    | 4500 ppm | Week : 3      | 0.15                                 | 0.71                                      | 10.1                                  |
| 0580_03    | 4500 ppm | Week : 3      | 0.1                                  | 1   | 10                                    |
| 0581_03    | 6000 ppm | Week : 1      | 0.91                                 | 1.94                                      | 38.9                                  |
| 0582_03    | 6000 ppm | Week : 1      | 1.36                                 | 4.18                                      | 23.2                                  |
| 0583_03    | 6000 ppm | Week : 1      | 0.64                                 | 2.23                                      | 31.8                                  |
| 0584_03    | 6000 ppm | Week : 1      | 1.43                                 | 2.39                                      | 19.9                                  |
| 0585_03    | 6000 ppm | Week : 1      | 0.85                                 | 3.85                                      | 38.5                                  |
| 0586_03    | 6000 ppm | Week : 1      | 1.88                                 | 11.08                                     | 58.3                                  |
| 0587_03    | 6000 ppm | Week : 1      | 0.94                                 | 1.88                                      | 26.8                                  |
| 0588_03    | 6000 ppm | Week : 1      | 0.94                                 | 1.62                                      | 14.7                                  |
| 0589_03    | 6000 ppm | Week : 1      | 1.13                                 | 4.06                                      | 25.4                                  |
| 0590_03    | 6000 ppm | Week : 1      | 1.44                                 | 6.76                                      | 35.6                                  |
| 0591_03    | 6000 ppm | Week : 3      | 0.24                                 | 0.89                                      | 7.4                                   |
| 0592_03    | 6000 ppm | Week : 3      | 0.12                                 | 1.49                                      | 12.4                                  |
| 0593_03    | 6000 ppm | Week : 3      | 0.03                                 | 0.76                                      | 8.4                                   |
| 0594_03    | 6000 ppm | Week : 3      | 0.33                                 | 0.91                                      | 9.1                                   |
| 0595_03    | 6000 ppm | Week : 3      | 0.08                                 | 0.32                                      | 6.4                                   |
| 0596_03    | 6000 ppm | Week : 3      | 0.27                                 | 0.82                                      | 9.1                                   |
| 0597_03    | 6000 ppm | Week : 3      | 0.85                                 | 1.83                                      | 8.7                                   |
| 0598_03    | 6000 ppm | Week : 3      | 0                                    | 0.91                                      | 8.3                                   |
| 0599_03    | 6000 ppm | Week : 3      | 0.2                                  | 0.85                                      | 9.5                                   |
| 0600_03    | 6000 ppm | Week : 3      | 0.26                                 | 0.24                                      | 6.1                                   |

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

Date Report Requested: 10/24/2014

Time Report Requested: 18:13:37

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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| Animal No. | Dose     | Time In Study | Reticulocyte Count<br>million per uL | Segmented Neutrophil Count<br>1000 per uL | White Blood Cell Count<br>1000 per uL |
|------------|----------|---------------|--------------------------------------|---|---------------------------------------|
| 0600_03    | 6000 ppm | Week : 3      | 0.26                                 | 0.24                                      | 6.1                                   |

\*\* END OF REPORT \*\*