

**Experiment Number:** 05219-01

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

**P44: Hematology Data**

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

**Time Report Requested:** 15:15:34

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

**Lab:** NA

**C Number:** C60913B

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

Experiment Number: 05219-01

Species/Strain: Rat/Fischer 344

P44: Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 15:15:34

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Eosinophil Count	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
0101_01	0 ppm	Week : 13	0.079	44.3	14.6	5.214
0102_01	0 ppm	Week : 13	0.084	45.4	14.8	6.72
0103_01	0 ppm	Week : 13	0	45.8	15.1	6.675
0104_01	0 ppm	Week : 13	0.084	47	15.4	6.888
0105_01	0 ppm	Week : 13	0.071	46.7	15	5.964
0106_01	0 ppm	Week : 13	0	45.6	15.1	4.292
0107_01	0 ppm	Week : 13	0.13	45	14.7	4.615
0108_01	0 ppm	Week : 13	0.104	47.7	15.6	7.28
0109_01	0 ppm	Week : 13	0.084	46	15.6	7.392
0110_01	0 ppm	Week : 13	0.094	42.9	14.3	7.332
0201_01	50 ppm	Week : 13	0.075	44.5	14.4	6.3
0202_01	50 ppm	Week : 13	0.158	44.9	14.7	6.952
0203_01	50 ppm	Week : 13	0.154	43.7	14.4	6.391
0204_01	50 ppm	Week : 13	0	44.9	14.2	4.914
0205_01	50 ppm	Week : 13	0.16	43.8	14.1	6.24
0206_01	50 ppm	Week : 13	0	43.3	14.3	5.376
0207_01	50 ppm	Week : 13	0.095	44.4	14.5	7.885
0208_01	50 ppm	Week : 13	0.093	46.6	15.5	7.905
0209_01	50 ppm	Week : 13	0.201	46.7	15.8	5.293
0210_01	50 ppm	Week : 13	0.109	44.9	15	8.72
0301_01	100 ppm	Week : 13	0.122	45.2	14.7	5.246
0302_01	100 ppm	Week : 13	0	44.3	14.5	5.063

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Eosinophil Count	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
0303_01	100 ppm	Week : 13	0	43.9	14.4	4.88
0304_01	100 ppm	Week : 13	0.059	42.7	13.9	4.543
0305_01	100 ppm	Week : 13	0	43.4	14.1	5.44
0306_01	100 ppm	Week : 13	0	44.1	14.5	5.829
0307_01	100 ppm	Week : 13	0.166	43.9	14.6	6.059
0308_01	100 ppm	Week : 13	0	46	15.1	8.245
0309_01	100 ppm	Week : 13	0.2	44.4	14.8	8.4
0310_01	100 ppm	Week : 13	0.079	43.7	14.8	6.162
0401_01	200 ppm	Week : 13	0	44.7	14.6	6.232
0402_01	200 ppm	Week : 13	0.118	44.3	14.5	4.661
0403_01	200 ppm	Week : 13	0.084	45.9	14.9	6.888
0404_01	200 ppm	Week : 13	0	44.5	14.8	5.236
0405_01	200 ppm	Week : 13	0	45.8	14.9	5.04
0406_01	200 ppm	Week : 13	0.077	45.4	15	6.468
0407_01	200 ppm	Week : 13	0.052	46.2	15	4.42
0408_01	200 ppm	Week : 13	0	45.2	14.5	7.047
0409_01	200 ppm	Week : 13	0	45.2	14.9	7.896
0410_01	200 ppm	Week : 13	0.117	43.8	14.8	9.009
0501_01	400 ppm	Week : 13	0.189	46.9	15.4	5.04
0502_01	400 ppm	Week : 13	0	45.4	15	5.762
0503_01	400 ppm	Week : 13	0	46	15.2	4.756
0504_01	400 ppm	Week : 13	0	44.2	14.7	6.068

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Eosinophil Count	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
0504_01	400 ppm	Week : 13	0	44.2	14.7	6.068
0505_01	400 ppm	Week : 13	0.078	46.6	15	6.63
0506_01	400 ppm	Week : 13	0	47.6	15.3	6.424
0507_01	400 ppm	Week : 13	0	46.8	15.3	7.47
0508_01	400 ppm	Week : 13	0.086	43.9	14.3	6.88
0509_01	400 ppm	Week : 13	0.1	46.4	15.1	8.4
0510_01	400 ppm	Week : 13	0	44.5	15.2	6.561
0601_01	800 ppm	Week : 13	0.276	49.9	16.2	3.542
0602_01	800 ppm	Week : 13	0.055	46.8	15	4.4
0603_01	800 ppm	Week : 13	0.074	45.9	15.2	5.698
0604_01	800 ppm	Week : 13	0.08	48.5	15.8	5.6
0605_01	800 ppm	Week : 13	0.085	49.8	16	7.055
0606_01	800 ppm	Week : 13	0.116	50.6	16.5	9.164
0607_01	800 ppm	Week : 13	0.105	50.9	16.4	8.505
0608_01	800 ppm	Week : 13	0.078	47.5	15.6	6.708
0609_01	800 ppm	Week : 13	0	45.8	15.3	4.941
0610_01	800 ppm	Week : 13	0.073	46.8	15.9	5.986

## MALE

Animal No.	Dose	Time In Study	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL
0101_01	0 ppm	Week : 13	16.7	33	51	0.237
0102_01	0 ppm	Week : 13	17.4	32.6	53	0.168
0103_01	0 ppm	Week : 13	16.8	33	51	0.075
0104_01	0 ppm	Week : 13	17.1	32.8	52	0.168
0105_01	0 ppm	Week : 13	16.5	32.1	51	0.142
0106_01	0 ppm	Week : 13	16.6	33.1	50	0.058
0107_01	0 ppm	Week : 13	16.6	32.7	51	0.13
0108_01	0 ppm	Week : 13	16	32.7	49	0.208
0109_01	0 ppm	Week : 13	16.4	33.9	48	0.084
0110_01	0 ppm	Week : 13	16.3	33.3	49	0.282
0201_01	50 ppm	Week : 13	16.5	32.4	51	0.15
0202_01	50 ppm	Week : 13	16.7	32.7	51	0.237
0203_01	50 ppm	Week : 13	16.7	33	51	0
0204_01	50 ppm	Week : 13	16.5	31.6	52	0.189
0205_01	50 ppm	Week : 13	16.5	32.2	51	0.08
0206_01	50 ppm	Week : 13	16.1	33	49	0.064
0207_01	50 ppm	Week : 13	16.1	32.7	49	0
0208_01	50 ppm	Week : 13	16.3	33.3	49	0.093
0209_01	50 ppm	Week : 13	15.9	33.8	47	0.067
0210_01	50 ppm	Week : 13	16.3	33.4	49	0.218
0301_01	100 ppm	Week : 13	16.1	32.5	50	0

## MALE

Animal No.	Dose	Time In Study	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL
0302_01	100 ppm	Week : 13	16.4	32.7	50	0.183
0303_01	100 ppm	Week : 13	16.4	32.8	50	0.061
0304_01	100 ppm	Week : 13	16.7	32.6	51	0.177
0305_01	100 ppm	Week : 13	16.2	32.5	50	0
0306_01	100 ppm	Week : 13	16.4	32.9	50	0
0307_01	100 ppm	Week : 13	16.4	33.3	49	0.249
0308_01	100 ppm	Week : 13	16.1	32.8	49	0
0309_01	100 ppm	Week : 13	16.3	33.3	49	0.1
0310_01	100 ppm	Week : 13	16	33.9	48	0.158
0401_01	200 ppm	Week : 13	16.1	32.7	49	0.076
0402_01	200 ppm	Week : 13	16.1	32.7	49	0
0403_01	200 ppm	Week : 13	16.2	32.5	50	0.084
0404_01	200 ppm	Week : 13	16.8	33.3	51	0.068
0405_01	200 ppm	Week : 13	16.1	32.5	50	0
0406_01	200 ppm	Week : 13	16.3	33	49	0.077
0407_01	200 ppm	Week : 13	15.6	32.5	48	0
0408_01	200 ppm	Week : 13	15.7	32.1	49	0
0409_01	200 ppm	Week : 13	16	33	49	0.094
0410_01	200 ppm	Week : 13	16.1	33.8	48	0
0501_01	400 ppm	Week : 13	16	32.8	49	0.126
0502_01	400 ppm	Week : 13	16.2	33	49	0

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Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL
0503_01	400 ppm	Week : 13	16.4	33	50	0
0504_01	400 ppm	Week : 13	16.5	33.3	49	0
0505_01	400 ppm	Week : 13	16	32.2	50	0.078
0506_01	400 ppm	Week : 13	15.9	32.1	49	0.073
0507_01	400 ppm	Week : 13	15.9	32.7	49	0.083
0508_01	400 ppm	Week : 13	15.8	32.6	49	0.258
0509_01	400 ppm	Week : 13	15.6	32.5	48	0
0510_01	400 ppm	Week : 13	16	34.2	47	0.081
0601_01	800 ppm	Week : 13	16	32.5	49	0
0602_01	800 ppm	Week : 13	15.9	32.1	50	0
0603_01	800 ppm	Week : 13	16.7	33.1	51	0.074
0604_01	800 ppm	Week : 13	16	32.6	49	0.08
0605_01	800 ppm	Week : 13	16.2	32.1	50	0.255
0606_01	800 ppm	Week : 13	16.4	32.6	50	0.232
0607_01	800 ppm	Week : 13	16.2	32.2	50	0.105
0608_01	800 ppm	Week : 13	16.6	32.8	51	0.078
0609_01	800 ppm	Week : 13	16.3	33.4	49	0.061
0610_01	800 ppm	Week : 13	16.3	34	48	0.073

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First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL
0101_01	0 ppm	Week : 13	0	673	8.73	0.1746
0102_01	0 ppm	Week : 13	0	625	8.51	0.1957
0103_01	0 ppm	Week : 13	0	597	8.99	0.1798
0104_01	0 ppm	Week : 13	0.084	621	8.98	0.2514
0105_01	0 ppm	Week : 13	0.142	652	9.09	0.1909
0106_01	0 ppm	Week : 13	0	614	9.07	0.1814
0107_01	0 ppm	Week : 13	0	634	8.88	0.1598
0108_01	0 ppm	Week : 13	0	688	9.73	0.2141
0109_01	0 ppm	Week : 13	0.084	593	9.51	0.1617
0110_01	0 ppm	Week : 13	0.094	568	8.79	0.1758
0201_01	50 ppm	Week : 13	0	656	8.72	0.1657
0202_01	50 ppm	Week : 13	0	646	8.79	0.211
0203_01	50 ppm	Week : 13	0	640	8.62	0.1552
0204_01	50 ppm	Week : 13	0	625	8.63	0.1985
0205_01	50 ppm	Week : 13	0	647	8.56	0.1798
0206_01	50 ppm	Week : 13	0	655	8.87	0.1774
0207_01	50 ppm	Week : 13	0	715	8.99	0.2158
0208_01	50 ppm	Week : 13	0	617	9.49	0.1993
0209_01	50 ppm	Week : 13	0	633	9.92	0.1488
0210_01	50 ppm	Week : 13	0	756	9.22	0.1475
0301_01	100 ppm	Week : 13	0	658	9.11	0.1731
0302_01	100 ppm	Week : 13	0	649	8.86	0.1683



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**MALE**


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Animal No.	Dose	Time In Study	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL
0303_01	100 ppm	Week : 13	0	772	8.77	0.1666
0304_01	100 ppm	Week : 13	0	681	8.34	0.1751
0305_01	100 ppm	Week : 13	0	694	8.68	0.1302
0306_01	100 ppm	Week : 13	0	678	8.83	0.2208
0307_01	100 ppm	Week : 13	0	579	8.88	0.1954
0308_01	100 ppm	Week : 13	0	770	9.37	0.2061
0309_01	100 ppm	Week : 13	0	782	9.06	0.2627
0310_01	100 ppm	Week : 13	0.079	684	9.03	0.1716
0401_01	200 ppm	Week : 13	0.076	568	9.07	0.127
0402_01	200 ppm	Week : 13	0	733	9	0.189
0403_01	200 ppm	Week : 13	0	659	9.2	0.184
0404_01	200 ppm	Week : 13	0	687	8.8	0.22
0405_01	200 ppm	Week : 13	0	671	9.25	0.2035
0406_01	200 ppm	Week : 13	0	762	9.2	0.184
0407_01	200 ppm	Week : 13	0	763	9.62	0.1828
0408_01	200 ppm	Week : 13	0	743	9.24	0.194
0409_01	200 ppm	Week : 13	0	641	9.31	0.1676
0410_01	200 ppm	Week : 13	0	732	9.18	0.2111
0501_01	400 ppm	Week : 13	0	712	9.62	0.202
0502_01	400 ppm	Week : 13	0	668	9.27	0.1947
0503_01	400 ppm	Week : 13	0	732	9.27	0.1947
0504_01	400 ppm	Week : 13	0	719	8.93	0.1965

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL
0504_01	400 ppm	Week : 13	0	719	8.93	0.1965
0505_01	400 ppm	Week : 13	0	657	9.38	0.2251
0506_01	400 ppm	Week : 13	0	616	9.65	0.1737
0507_01	400 ppm	Week : 13	0	768	9.62	0.1539
0508_01	400 ppm	Week : 13	0	644	9.04	0.1356
0509_01	400 ppm	Week : 13	0	754	9.69	0.2229
0510_01	400 ppm	Week : 13	0	648	9.51	0.1712
0601_01	800 ppm	Week : 13	0	837	10.13	0.2127
0602_01	800 ppm	Week : 13	0	813	9.42	0.1601
0603_01	800 ppm	Week : 13	0.074	772	9.08	0.1634
0604_01	800 ppm	Week : 13	0	820	9.87	0.2073
0605_01	800 ppm	Week : 13	0	851	9.9	0.198
0606_01	800 ppm	Week : 13	0	763	10.07	0.1813
0607_01	800 ppm	Week : 13	0	759	10.13	0.1114
0608_01	800 ppm	Week : 13	0	823	9.38	0.1595
0609_01	800 ppm	Week : 13	0	814	9.38	0.1595
0610_01	800 ppm	Week : 13	0	881	9.73	0.1849

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
0101_01	0 ppm	Week : 13	2.37	7.9
0102_01	0 ppm	Week : 13	1.428	8.4
0103_01	0 ppm	Week : 13	0.75	7.5
0104_01	0 ppm	Week : 13	1.26	8.4
0105_01	0 ppm	Week : 13	0.923	7.1
0106_01	0 ppm	Week : 13	1.45	5.8
0107_01	0 ppm	Week : 13	1.625	6.5
0108_01	0 ppm	Week : 13	2.808	10.4
0109_01	0 ppm	Week : 13	0.84	8.4
0110_01	0 ppm	Week : 13	1.692	9.4
0201_01	50 ppm	Week : 13	0.975	7.5
0202_01	50 ppm	Week : 13	0.553	7.9
0203_01	50 ppm	Week : 13	1.155	7.7
0204_01	50 ppm	Week : 13	1.197	6.3
0205_01	50 ppm	Week : 13	1.52	8
0206_01	50 ppm	Week : 13	0.96	6.4
0207_01	50 ppm	Week : 13	1.52	9.5
0208_01	50 ppm	Week : 13	1.209	9.3
0209_01	50 ppm	Week : 13	1.139	6.7
0210_01	50 ppm	Week : 13	1.853	10.9
0301_01	100 ppm	Week : 13	0.732	6.1
0302_01	100 ppm	Week : 13	0.854	6.1

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
0303_01	100 ppm	Week : 13	1.159	6.1
0304_01	100 ppm	Week : 13	1.121	5.9
0305_01	100 ppm	Week : 13	1.36	6.8
0306_01	100 ppm	Week : 13	0.871	6.7
0307_01	100 ppm	Week : 13	1.826	8.3
0308_01	100 ppm	Week : 13	1.455	9.7
0309_01	100 ppm	Week : 13	1.3	10
0310_01	100 ppm	Week : 13	1.501	7.9
0401_01	200 ppm	Week : 13	1.292	7.6
0402_01	200 ppm	Week : 13	1.121	5.9
0403_01	200 ppm	Week : 13	1.344	8.4
0404_01	200 ppm	Week : 13	1.496	6.8
0405_01	200 ppm	Week : 13	1.96	7
0406_01	200 ppm	Week : 13	1.078	7.7
0407_01	200 ppm	Week : 13	0.728	5.2
0408_01	200 ppm	Week : 13	1.653	8.7
0409_01	200 ppm	Week : 13	1.41	9.4
0410_01	200 ppm	Week : 13	2.574	11.7
0501_01	400 ppm	Week : 13	0.945	6.3
0502_01	400 ppm	Week : 13	0.938	6.7
0503_01	400 ppm	Week : 13	1.044	5.8
0504_01	400 ppm	Week : 13	2.132	8.2

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First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
0504_01	400 ppm	Week : 13	2.132	8.2
0505_01	400 ppm	Week : 13	1.014	7.8
0506_01	400 ppm	Week : 13	0.803	7.3
0507_01	400 ppm	Week : 13	0.747	8.3
0508_01	400 ppm	Week : 13	1.376	8.6
0509_01	400 ppm	Week : 13	1.5	10
0510_01	400 ppm	Week : 13	1.458	8.1
0601_01	800 ppm	Week : 13	0.782	4.6
0602_01	800 ppm	Week : 13	1.045	5.5
0603_01	800 ppm	Week : 13	1.554	7.4
0604_01	800 ppm	Week : 13	2.24	8
0605_01	800 ppm	Week : 13	1.105	8.5
0606_01	800 ppm	Week : 13	2.088	11.6
0607_01	800 ppm	Week : 13	1.785	10.5
0608_01	800 ppm	Week : 13	0.936	7.8
0609_01	800 ppm	Week : 13	1.098	6.1
0610_01	800 ppm	Week : 13	1.168	7.3

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First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	Eosinophil Count	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
0131_01	0 ppm	Week : 13	0.056	46.9	14.9	4.536
0132_01	0 ppm	Week : 13	0.122	46.1	14.6	4.819
0133_01	0 ppm	Week : 13	0.04	46.5	14.9	3.12
0134_01	0 ppm	Week : 13	0.052	47.8	14.8	4.264
0135_01	0 ppm	Week : 13	0	46.8	14.7	2.652
0136_01	0 ppm	Week : 13	0.066	46	14.3	5.082
0137_01	0 ppm	Week : 13	0	45.4	14.7	6.059
0138_01	0 ppm	Week : 13	0	43.6	14.2	6.399
0139_01	0 ppm	Week : 13	0.076	45.6	14.8	4.712
0140_01	0 ppm	Week : 13	0	44.3	14.1	5.95
0231_01	50 ppm	Week : 13	0	44.7	13.9	4.556
0232_01	50 ppm	Week : 13	0.052	44.4	14.3	4.108
0233_01	50 ppm	Week : 13	0.063	45.6	14.3	5.292
0234_01	50 ppm	Week : 13	0	46.9	14.7	5.548
0236_01	50 ppm	Week : 13	0.087	46.4	14.4	7.656
0237_01	50 ppm	Week : 13	0.085	47.6	15.2	6.375
0238_01	50 ppm	Week : 13	0	46.6	14.9	6.806
0239_01	50 ppm	Week : 13	0.081	44.9	14.4	7.047
0240_01	50 ppm	Week : 13	0.082	45.3	14.6	6.642
0331_01	100 ppm	Week : 13	0.069	46.9	14.8	5.52
0332_01	100 ppm	Week : 13	0.122	46.8	14.8	4.636
0333_01	100 ppm	Week : 13	0	45.3	14.4	5.616

## FEMALE

Animal No.	Dose	Time In Study	Eosinophil Count	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
0334_01	100 ppm	Week : 13	0	47.3	14.7	5.146
0335_01	100 ppm	Week : 13	0	46.1	14.5	3.995
0336_01	100 ppm	Week : 13	0	48.4	15.1	6.97
0337_01	100 ppm	Week : 13	0.076	46	15.1	6.08
0338_01	100 ppm	Week : 13	0	47	14.9	5.751
0339_01	100 ppm	Week : 13	0.055	47.2	15.5	5.115
0340_01	100 ppm	Week : 13	0	48.9	15.9	6.142
0431_01	200 ppm	Week : 13	0.112	46.2	14.3	4.816
0432_01	200 ppm	Week : 13	0	44.4	14.1	5.494
0433_01	200 ppm	Week : 13	0	46	14.6	5.53
0434_01	200 ppm	Week : 13	0.098	45.1	14.3	3.969
0435_01	200 ppm	Week : 13	0	46.2	14.6	4.346
0436_01	200 ppm	Week : 13	0.078	46.1	14.1	5.772
0437_01	200 ppm	Week : 13	0.067	43.5	13.9	5.561
0438_01	200 ppm	Week : 13	0	47.7	15	4.928
0439_01	200 ppm	Week : 13	0.222	46.4	14.8	6.438
0440_01	200 ppm	Week : 13	0	46.9	15.1	4.331
0531_01	400 ppm	Week : 13	0.092	48.7	15	7.268
0532_01	400 ppm	Week : 13	0.182	49.2	15.3	7.007
0533_01	400 ppm	Week : 13	0	44.6	14	5.976
0534_01	400 ppm	Week : 13	0.058	48.3	14.9	4.582
0535_01	400 ppm	Week : 13	0	46.6	14.6	5.481

Experiment Number: 05219-01

Species/Strain: Rat/Fischer 344

P44: Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 15:15:34

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Eosinophil Count	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
0535_01	400 ppm	Week : 13	0	46.6	14.6	5.481
0536_01	400 ppm	Week : 13	0	44.4	13.8	6.96
0537_01	400 ppm	Week : 13	0.07	48.2	15.3	5.95
0538_01	400 ppm	Week : 13	0.057	46.5	14.9	5.073
0539_01	400 ppm	Week : 13	0.152	46.1	14.6	6.688
0540_01	400 ppm	Week : 13	0.122	47.6	15.2	4.514
0631_01	800 ppm	Week : 13	0	51.6	16.5	5.293
0632_01	800 ppm	Week : 13	0.074	51.4	16.5	5.92
0633_01	800 ppm	Week : 13	0.077	50	15.9	6.237
0634_01	800 ppm	Week : 13	0.136	52.1	16.2	5.032
0635_01	800 ppm	Week : 13	0	50.9	16.7	4.51
0636_01	800 ppm	Week : 13	0.067	49.2	15.4	5.762
0637_01	800 ppm	Week : 13	0.067	47.6	16	5.159
0638_01	800 ppm	Week : 13	0.106	48.4	15.9	8.798
0639_01	800 ppm	Week : 13	0.076	49.2	16.1	6.004
0640_01	800 ppm	Week : 13	0.134	50.9	16.5	5.159



## FEMALE

Animal No.	Dose	Time In Study	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL
0131_01	0 ppm	Week : 13	17.8	31.8	56	0.056
0132_01	0 ppm	Week : 13	17.7	31.7	56	0.061
0133_01	0 ppm	Week : 13	17.9	32	56	0.08
0134_01	0 ppm	Week : 13	17.5	31	57	0.052
0135_01	0 ppm	Week : 13	17.7	31.4	56	0.034
0136_01	0 ppm	Week : 13	17.6	31.1	57	0
0137_01	0 ppm	Week : 13	17.5	32.4	54	0.073
0138_01	0 ppm	Week : 13	17.8	32.6	55	0
0139_01	0 ppm	Week : 13	17.8	32.5	55	0.076
0140_01	0 ppm	Week : 13	17.5	31.8	55	0
0231_01	50 ppm	Week : 13	17.6	31.1	56	0.068
0232_01	50 ppm	Week : 13	17.9	32.2	56	0.052
0233_01	50 ppm	Week : 13	17.8	31.4	57	0
0234_01	50 ppm	Week : 13	17.5	31.3	56	0
0236_01	50 ppm	Week : 13	17.7	31	57	0
0237_01	50 ppm	Week : 13	17.5	31.9	55	0
0238_01	50 ppm	Week : 13	17.5	32	55	0.166
0239_01	50 ppm	Week : 13	17.5	32.1	54	0.081
0240_01	50 ppm	Week : 13	18	32.2	56	0.164
0331_01	100 ppm	Week : 13	17.7	31.6	56	0
0332_01	100 ppm	Week : 13	17.7	31.6	56	0

## FEMALE

Animal No.	Dose	Time In Study	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL
0333_01	100 ppm	Week : 13	17.9	31.8	56	0.216
0334_01	100 ppm	Week : 13	17.6	31.1	57	0
0335_01	100 ppm	Week : 13	17.6	31.5	56	0
0336_01	100 ppm	Week : 13	17.6	31.2	56	0.17
0337_01	100 ppm	Week : 13	17.6	32.8	54	0.152
0338_01	100 ppm	Week : 13	17.5	31.7	55	0.142
0339_01	100 ppm	Week : 13	17.7	32.8	54	0
0340_01	100 ppm	Week : 13	17.8	32.5	55	0
0431_01	200 ppm	Week : 13	17.2	31	56	0
0432_01	200 ppm	Week : 13	17.6	31.8	56	0.067
0433_01	200 ppm	Week : 13	17.5	31.7	55	0.079
0434_01	200 ppm	Week : 13	17.7	31.7	56	0.049
0435_01	200 ppm	Week : 13	17.8	31.6	56	0.053
0436_01	200 ppm	Week : 13	17.2	30.6	56	0.156
0437_01	200 ppm	Week : 13	17.5	32	55	0.134
0438_01	200 ppm	Week : 13	17.3	31.4	55	0
0439_01	200 ppm	Week : 13	17.5	31.9	55	0
0440_01	200 ppm	Week : 13	17.3	32.2	54	0
0531_01	400 ppm	Week : 13	17.2	30.8	56	0.184
0532_01	400 ppm	Week : 13	17.3	31.1	56	0.182
0533_01	400 ppm	Week : 13	17.4	31.4	55	0

Experiment Number: 05219-01

Species/Strain: Rat/Fischer 344

P44: Hematology Data

Date Report Requested: 10/24/2014

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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	Monocyte Count 1000 per uL
0534_01	400 ppm	Week : 13	17.2	30.8	56	0.058
0535_01	400 ppm	Week : 13	17.5	31.3	56	0.063
0536_01	400 ppm	Week : 13	18	31.1	58	0.16
0537_01	400 ppm	Week : 13	17.3	31.7	54	0
0538_01	400 ppm	Week : 13	17.3	32	54	0.171
0539_01	400 ppm	Week : 13	17.2	31.7	54	0
0540_01	400 ppm	Week : 13	17.5	31.9	55	0.061
0631_01	800 ppm	Week : 13	16.8	32	53	0.134
0632_01	800 ppm	Week : 13	17.1	32.1	53	0.222
0633_01	800 ppm	Week : 13	17	31.8	53	0.154
0634_01	800 ppm	Week : 13	16.7	31.1	54	0.068
0635_01	800 ppm	Week : 13	16.9	32.8	52	0.055
0636_01	800 ppm	Week : 13	16.7	31.3	53	0
0637_01	800 ppm	Week : 13	17.2	33.6	51	0.201
0638_01	800 ppm	Week : 13	16.7	32.9	51	0.106
0639_01	800 ppm	Week : 13	17	32.7	52	0.152
0640_01	800 ppm	Week : 13	16.8	32.4	52	0

## FEMALE

Animal No.	Dose	Time In Study	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL
0131_01	0 ppm	Week : 13	0	597	8.39	0.151
0132_01	0 ppm	Week : 13	0.061	634	8.24	0.1813
0133_01	0 ppm	Week : 13	0	494	8.34	0.2002
0134_01	0 ppm	Week : 13	0	706	8.45	0.1859
0135_01	0 ppm	Week : 13	0	647	8.31	0.1163
0136_01	0 ppm	Week : 13	0	616	8.12	0.138
0137_01	0 ppm	Week : 13	0	649	8.39	0.151
0138_01	0 ppm	Week : 13	0	846	7.97	0.1276
0139_01	0 ppm	Week : 13	0	715	8.33	0.1166
0140_01	0 ppm	Week : 13	0	748	8.07	0.121
0231_01	50 ppm	Week : 13	0	584	7.92	0.1426
0232_01	50 ppm	Week : 13	0	683	7.99	0.1358
0233_01	50 ppm	Week : 13	0	634	8.02	0.1684
0234_01	50 ppm	Week : 13	0	563	8.4	0.126
0236_01	50 ppm	Week : 13	0	674	8.13	0.1382
0237_01	50 ppm	Week : 13	0	696	8.7	0.1479
0238_01	50 ppm	Week : 13	0	608	8.5	0.102
0239_01	50 ppm	Week : 13	0.081	636	8.25	0.132
0240_01	50 ppm	Week : 13	0	673	8.13	0.1301
0331_01	100 ppm	Week : 13	0	667	8.37	0.1841
0332_01	100 ppm	Week : 13	0	912	8.35	0.1587
0333_01	100 ppm	Week : 13	0	678	8.06	0.137

## FEMALE

Animal No.	Dose	Time In Study	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL
0334_01	100 ppm	Week : 13	0.062	517	8.34	0.2168
0335_01	100 ppm	Week : 13	0	669	8.26	0.1239
0336_01	100 ppm	Week : 13	0	663	8.58	0.1201
0337_01	100 ppm	Week : 13	0	805	8.58	0.1544
0338_01	100 ppm	Week : 13	0	635	8.52	0.1534
0339_01	100 ppm	Week : 13	0	673	8.74	0.1573
0340_01	100 ppm	Week : 13	0	657	8.93	0.134
0431_01	200 ppm	Week : 13	0	739	8.29	0.1161
0432_01	200 ppm	Week : 13	0	632	7.99	0.1198
0433_01	200 ppm	Week : 13	0	1016	8.34	0.1418
0434_01	200 ppm	Week : 13	0	727	8.09	0.089
0435_01	200 ppm	Week : 13	0.053	599	8.21	0.1314
0436_01	200 ppm	Week : 13	0	704	8.22	0.1069
0437_01	200 ppm	Week : 13	0	988	7.94	0.1588
0438_01	200 ppm	Week : 13	0	687	8.66	0.1126
0439_01	200 ppm	Week : 13	0	1154	8.48	0.1187
0440_01	200 ppm	Week : 13	0	674	8.74	0.1049
0531_01	400 ppm	Week : 13	0	871	8.71	0.1742
0532_01	400 ppm	Week : 13	0	743	8.82	0.1764
0533_01	400 ppm	Week : 13	0	385	8.04	0.1769
0534_01	400 ppm	Week : 13	0	782	8.66	0.1299
0535_01	400 ppm	Week : 13	0	711	8.34	0.1168

Experiment Number: 05219-01

Species/Strain: Rat/Fischer 344

P44: Hematology Data

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL
0535_01	400 ppm	Week : 13	0	711	8.34	0.1168
0536_01	400 ppm	Week : 13	0	870	7.68	0.361
0537_01	400 ppm	Week : 13	0	695	8.85	0.177
0538_01	400 ppm	Week : 13	0	612	8.63	0.1295
0539_01	400 ppm	Week : 13	0	753	8.5	0.1445
0540_01	400 ppm	Week : 13	0	761	8.71	0.1742
0631_01	800 ppm	Week : 13	0	665	9.81	0.1472
0632_01	800 ppm	Week : 13	0	725	9.67	0.1354
0633_01	800 ppm	Week : 13	0	791	9.38	0.1407
0634_01	800 ppm	Week : 13	0	712	9.69	0.155
0635_01	800 ppm	Week : 13	0	680	9.87	0.1184
0636_01	800 ppm	Week : 13	0	747	9.2	0.1656
0637_01	800 ppm	Week : 13	0	667	9.29	0.2044
0638_01	800 ppm	Week : 13	0	733	9.51	0.1997
0639_01	800 ppm	Week : 13	0	762	9.48	0.104
0640_01	800 ppm	Week : 13	0	758	9.8	0.1666

Experiment Number: 05219-01

Species/Strain: Rat/Fischer 344

P44: Hematology Data

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
0131_01	0 ppm	Week : 13	0.952	5.6
0132_01	0 ppm	Week : 13	1.098	6.1
0133_01	0 ppm	Week : 13	0.76	4
0134_01	0 ppm	Week : 13	0.832	5.2
0135_01	0 ppm	Week : 13	0.714	3.4
0136_01	0 ppm	Week : 13	1.452	6.6
0137_01	0 ppm	Week : 13	1.168	7.3
0138_01	0 ppm	Week : 13	1.701	8.1
0139_01	0 ppm	Week : 13	2.736	7.6
0140_01	0 ppm	Week : 13	1.05	7
0231_01	50 ppm	Week : 13	2.178	6.8
0232_01	50 ppm	Week : 13	0.988	5.2
0233_01	50 ppm	Week : 13	0.945	6.3
0234_01	50 ppm	Week : 13	2.052	7.6
0236_01	50 ppm	Week : 13	0.957	8.7
0237_01	50 ppm	Week : 13	2.04	8.5
0238_01	50 ppm	Week : 13	1.328	8.3
0239_01	50 ppm	Week : 13	0.891	8.1
0240_01	50 ppm	Week : 13	1.312	8.2
0331_01	100 ppm	Week : 13	1.311	6.9
0332_01	100 ppm	Week : 13	1.342	6.1
0333_01	100 ppm	Week : 13	1.368	7.2

Experiment Number: 05219-01

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

Date Report Requested: 10/24/2014

Time Report Requested: 15:15:35

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
0334_01	100 ppm	Week : 13	1.054	6.2
0335_01	100 ppm	Week : 13	0.705	4.7
0336_01	100 ppm	Week : 13	1.36	8.5
0337_01	100 ppm	Week : 13	1.292	7.6
0338_01	100 ppm	Week : 13	1.207	7.1
0339_01	100 ppm	Week : 13	0.33	5.5
0340_01	100 ppm	Week : 13	1.258	7.4
0431_01	200 ppm	Week : 13	0.672	5.6
0432_01	200 ppm	Week : 13	1.139	6.7
0433_01	200 ppm	Week : 13	2.291	7.9
0434_01	200 ppm	Week : 13	0.784	4.9
0435_01	200 ppm	Week : 13	0.901	5.3
0436_01	200 ppm	Week : 13	1.794	7.8
0437_01	200 ppm	Week : 13	0.938	6.7
0438_01	200 ppm	Week : 13	1.472	6.4
0439_01	200 ppm	Week : 13	0.74	7.4
0440_01	200 ppm	Week : 13	1.769	6.1
0531_01	400 ppm	Week : 13	1.658	9.2
0532_01	400 ppm	Week : 13	1.729	9.1
0533_01	400 ppm	Week : 13	1.224	7.2
0534_01	400 ppm	Week : 13	1.102	5.8
0535_01	400 ppm	Week : 13	0.756	6.3



Experiment Number: 05219-01

Species/Strain: Rat/Fischer 344

**P44: Hematology Data**

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First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
0535_01	400 ppm	Week : 13	0.756	6.3
0536_01	400 ppm	Week : 13	0.88	8
0537_01	400 ppm	Week : 13	0.98	7
0538_01	400 ppm	Week : 13	0.399	5.7
0539_01	400 ppm	Week : 13	0.76	7.6
0540_01	400 ppm	Week : 13	1.403	6.1
0631_01	800 ppm	Week : 13	1.273	6.7
0632_01	800 ppm	Week : 13	1.184	7.4
0633_01	800 ppm	Week : 13	1.232	7.7
0634_01	800 ppm	Week : 13	1.564	6.8
0635_01	800 ppm	Week : 13	0.935	5.5
0636_01	800 ppm	Week : 13	0.871	6.7
0637_01	800 ppm	Week : 13	1.273	6.7
0638_01	800 ppm	Week : 13	1.59	10.6
0639_01	800 ppm	Week : 13	1.368	7.6
0640_01	800 ppm	Week : 13	1.407	6.7

\*\* END OF REPORT \*\*