

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:03

First Dose M/F: NA / NA

Lab: NA

C Number: C61905

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:03

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0001_05	0 ppm	Week : 13	4.7	1.62	325	57
0002_05	0 ppm	Week : 13	4.6	1.64	324	83
0003_05	0 ppm	Week : 13	4.7	1.68	348	68
0004_05	0 ppm	Week : 13	4.2	1.4	292	52
0005_05	0 ppm	Week : 13	4.5	1.5	357	66
0006_05	0 ppm	Week : 13	4.5	1.41	397	61
0007_05	0 ppm	Week : 13	4.7	1.68	364	85
0008_05	0 ppm	Week : 13	4.7	1.88	285	36
0009_05	0 ppm	Week : 13	4.5	1.55	254	52
0010_05	0 ppm	Week : 13	4.8	1.92	302	56
0011_05	0 ppm	Day : 3	5.4	2.35	1092	45
0011_05	0 ppm	Day : 23	4.8	2	686	35
0012_05	0 ppm	Day : 3	6	2.31	984	42
0012_05	0 ppm	Day : 23	5.3	2.21	637	30
0013_05	0 ppm	Day : 3	5.1	2.83	1010	47
0013_05	0 ppm	Day : 23	5.2	2.26	733	37
0014_05	0 ppm	Day : 3	6	2.86	1096	37
0014_05	0 ppm	Day : 23	5.5	1.96	688	29
0015_05	0 ppm	Day : 3	4.8	2.09	978	38
0015_05	0 ppm	Day : 23	5.2	2.08	708	32
0016_05	0 ppm	Day : 3	5.3	2.41	1246	50
0016_05	0 ppm	Day : 23	5.2	1.93	825	43

Experiment Number: 05183-05

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Time Report Requested: 16:58:03

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0017_05	0 ppm	Day : 3	5.2	2.26	1086	40
0017_05	0 ppm	Day : 23	5.3	2.12	779	29
0018_05	0 ppm	Day : 3	4.8	2.09	1036	36
0018_05	0 ppm	Day : 23	5.2	2	719	39
0019_05	0 ppm	Day : 3	5.6	2.43	1007	50
0019_05	0 ppm	Day : 23	5.1	2.04	723	37
0020_05	0 ppm	Day : 3	5.4	2.57	959	47
0020_05	0 ppm	Day : 23	5.4	2.08	715	32
0201_05	8 ppm	Week : 13	4.9	1.81	360	68
0202_05	8 ppm	Week : 13	4.8	1.85	342	61
0203_05	8 ppm	Week : 13	4.9	2.04	363	53
0204_05	8 ppm	Week : 13	4.9	1.96	357	57
0205_05	8 ppm	Week : 13	5	2	340	72
0206_05	8 ppm	Week : 13	4.9	1.81	354	73
0207_05	8 ppm	Week : 13	4.6	2	259	49
0208_05	8 ppm	Week : 13	5	2.08	319	82
0209_05	8 ppm	Week : 13	4.7	1.74	352	83
0210_05	8 ppm	Week : 13	4.6	1.64	297	64
0211_05	8 ppm	Day : 3	4.9	2.23	999	39
0211_05	8 ppm	Day : 23	5.6	2.24	699	40
0212_05	8 ppm	Day : 3	5.7	2.71	1197	48
0212_05	8 ppm	Day : 23	5.4	1.93	780	30

Experiment Number: 05183-05

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First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0213_05	8 ppm	Day : 3	5.6	2.67	1045	39
0213_05	8 ppm	Day : 23	5.3	2.12	707	36
0214_05	8 ppm	Day : 3	4.7	2.04	1243	50
0214_05	8 ppm	Day : 23	5.2	2.17	772	38
0215_05	8 ppm	Day : 3	4.7	2.24	1025	42
0215_05	8 ppm	Day : 23	5.2	2.08	719	35
0216_05	8 ppm	Day : 3	5.1	2.22	978	41
0216_05	8 ppm	Day : 23	5.3	2.04	705	29
0217_05	8 ppm	Day : 3	4.8	2.18	916	37
0217_05	8 ppm	Day : 23	5.4	2	729	36
0218_05	8 ppm	Day : 3	5.4	2.84	1103	42
0218_05	8 ppm	Day : 23	5.3	2.12	713	32
0219_05	8 ppm	Day : 3	5	2.78	971	40
0219_05	8 ppm	Day : 23	5.5	1.77	730	40
0220_05	8 ppm	Day : 3	5.6	2.8	1114	44
0220_05	8 ppm	Day : 23	5.3	1.89	715	44
0401_05	16 ppm	Week : 13	5.2	2.17	368	54
0402_05	16 ppm	Week : 13	5.1	1.89	324	59
0403_05	16 ppm	Week : 13	5	2.08	371	88
0404_05	16 ppm	Week : 13	4.4	1.63	318	152
0405_05	16 ppm	Week : 13	4.9	1.96	352	43
0406_05	16 ppm	Week : 13	4.7	1.88	374	70

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First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0407_05	16 ppm	Week : 13	4.9	1.96	340	54
0408_05	16 ppm	Week : 13	5.2	1.86	379	56
0409_05	16 ppm	Week : 13	4.7	1.74	373	56
0410_05	16 ppm	Week : 13	4.9	1.88	365	54
0411_05	16 ppm	Day : 3	4.8	2.09	1027	41
0411_05	16 ppm	Day : 23	5.2	1.86	688	37
0412_05	16 ppm	Day : 3	5.6	3.11	1112	38
0412_05	16 ppm	Day : 23	5.1	2.22	651	34
0413_05	16 ppm	Day : 3	5.2	2.74	1053	46
0413_05	16 ppm	Day : 23	5.4	2	836	36
0414_05	16 ppm	Day : 3	5.2	2.74	1118	54
0414_05	16 ppm	Day : 23	5.2	1.73	690	44
0415_05	16 ppm	Day : 3	5.5	2.39	1004	50
0415_05	16 ppm	Day : 23	5.3	1.89	760	35
0416_05	16 ppm	Day : 3	4.9	2.45	1153	52
0416_05	16 ppm	Day : 23	5.3	2.3	775	39
0417_05	16 ppm	Day : 3	5	2.38	881	41
0417_05	16 ppm	Day : 23	5.2	1.79	706	38
0418_05	16 ppm	Day : 3	5.5	2.62	931	39
0418_05	16 ppm	Day : 23	5.3	1.83	713	41
0419_05	16 ppm	Day : 3	4.5	2.05	988	41
0419_05	16 ppm	Day : 23	5.4	2.08	765	41

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First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0420_05	16 ppm	Day : 3	4.8	2.53	844	42
0420_05	16 ppm	Day : 23	5.1	1.76	719	36
0601_05	32 ppm	Week : 13	5.2	1.86	341	83
0602_05	32 ppm	Week : 13	5.1	1.89	392	67
0603_05	32 ppm	Week : 13	4.7	1.68	376	53
0604_05	32 ppm	Week : 13	4.7	1.74	356	49
0605_05	32 ppm	Week : 13	4.7	1.66	404	78
0606_05	32 ppm	Week : 13	4.8	1.92	296	53
0607_05	32 ppm	Week : 13	4.7	1.66	308	48
0608_05	32 ppm	Week : 13	5	1.85	337	62
0609_05	32 ppm	Week : 13	5.2	2.17	351	53
0610_05	32 ppm	Week : 13	4.7	1.68	378	71
0611_05	32 ppm	Day : 3	4.8	2.4	1052	46
0611_05	32 ppm	Day : 23	5.3	2.04	771	39
0612_05	32 ppm	Day : 3	5	2.08	935	45
0612_05	32 ppm	Day : 23	5.2	2	828	35
0613_05	32 ppm	Day : 3	5.3	2.94	960	44
0613_05	32 ppm	Day : 23	5.1	2.04	743	33
0614_05	32 ppm	Day : 3	5.2	2.36	1165	44
0614_05	32 ppm	Day : 23	5.2	2.17	791	45
0615_05	32 ppm	Day : 3	5.7	2.38	1027	49
0615_05	32 ppm	Day : 23	5.5	1.9	811	36

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First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0616_05	32 ppm	Day : 3	5.3	2.52	984	45
0616_05	32 ppm	Day : 23	5.1	2.04	800	35
0617_05	32 ppm	Day : 3	4.6	1.92	1006	40
0617_05	32 ppm	Day : 23	4.8	1.85	662	36
0618_05	32 ppm	Day : 3	5.1	2.22	1111	49
0618_05	32 ppm	Day : 23	5.5	1.96	780	39
0619_05	32 ppm	Day : 3	5.1	2.55	992	38
0619_05	32 ppm	Day : 23	5.5	1.96	735	31
0620_05	32 ppm	Day : 3	4.6	2.3	1186	46
0620_05	32 ppm	Day : 23	5.2	2.36	708	32
0801_05	64 ppm	Week : 13	5	1.92	394	76
0802_05	64 ppm	Week : 13	4.9	1.88	362	77
0803_05	64 ppm	Week : 13	4.6	1.92	357	57
0804_05	64 ppm	Week : 13	4.7	1.74	385	55
0805_05	64 ppm	Week : 13	4.6	1.7	340	49
0806_05	64 ppm	Week : 13	4.9	2.04	367	60
0807_05	64 ppm	Week : 13	4.6	1.84	405	54
0808_05	64 ppm	Week : 13	4.8	1.78	405	50
0809_05	64 ppm	Week : 13	4.7	1.81	380	50
0810_05	64 ppm	Week : 13	4.8	1.85	368	61
0811_05	64 ppm	Day : 3	5.1	2.68	1033	43
0811_05	64 ppm	Day : 23	5.2	2	690	33

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First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0812_05	64 ppm	Day : 3	4.5	2.25	944	43
0812_05	64 ppm	Day : 23	5.2	1.93	711	32
0813_05	64 ppm	Day : 3	5.3	2.3	999	39
0813_05	64 ppm	Day : 23	5.2	2	716	31
0814_05	64 ppm	Day : 3	5.3	2.3	966	36
0814_05	64 ppm	Day : 23	5.5	2.12	790	32
0815_05	64 ppm	Day : 3	5.2	2.48	984	40
0815_05	64 ppm	Day : 23	5.4	2.08	790	33
0816_05	64 ppm	Day : 3	5.3	2.65	993	46
0816_05	64 ppm	Day : 23	5.5	2.29	825	35
0817_05	64 ppm	Day : 3	5.5	2.75	948	33
0817_05	64 ppm	Day : 23	5.1	2.12	676	26
0818_05	64 ppm	Day : 3	5.5	2.89	995	42
0818_05	64 ppm	Day : 23	5.2	1.93	775	34
0819_05	64 ppm	Day : 3	5	2.63	955	49
0819_05	64 ppm	Day : 23	5	1.92	696	40
0820_05	64 ppm	Day : 3	4.7	2.24	881	40
0820_05	64 ppm	Day : 23	5.1	2.04	648	31
1001_05	128 ppm	Week : 13	5	2.08	367	60
1002_05	128 ppm	Week : 13	4.7	2.24	394	57
1003_05	128 ppm	Week : 13	4.6	1.7	397	42
1004_05	128 ppm	Week : 13	4.7	1.96	353	44

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First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
1005_05	128 ppm	Week : 13	4.8	1.92	399	74
1006_05	128 ppm	Week : 13	4.6	1.7	373	45
1007_05	128 ppm	Week : 13	4.7	1.96	386	52
1008_05	128 ppm	Week : 13	4.2	1.4	373	95
1009_05	128 ppm	Week : 13	4.7	2.04	367	43
1010_05	128 ppm	Week : 13	4.8	1.78	344	50
1011_05	128 ppm	Day : 3	5.2	2.89	1085	46
1011_05	128 ppm	Day : 23	5.3	2.04	776	34
1012_05	128 ppm	Day : 3	4.4	2.1	804	42
1012_05	128 ppm	Day : 23	4.8	2.09	644	33
1013_05	128 ppm	Day : 3	5.3	2.41	926	43
1013_05	128 ppm	Day : 23	5.2	2	650	35
1014_05	128 ppm	Day : 3	4.8	2.09	862	40
1014_05	128 ppm	Day : 23	5.3	1.96	711	33
1015_05	128 ppm	Day : 3	4.3	2.53	965	47
1015_05	128 ppm	Day : 23	5.1	2.12	685	33
1016_05	128 ppm	Day : 3	4.9	2.23	916	35
1016_05	128 ppm	Day : 23	5.1	1.96	637	31
1017_05	128 ppm	Day : 3	5.4	3	931	32
1017_05	128 ppm	Day : 23	5.1	1.82	681	30
1018_05	128 ppm	Day : 3	4.9	2.45	876	36
1018_05	128 ppm	Day : 23	5.2	2.08	717	31

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Species/Strain: Rat/Fischer 344

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First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
1019_05	128 ppm	Day : 3	5.1	2.12	918	44
1019_05	128 ppm	Day : 23	5.4	2.08	698	34
1020_05	128 ppm	Day : 3	5.6	3.29	928	45
1020_05	128 ppm	Day : 23	5.1	1.89	689	29

MALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0001_05	0 ppm	Week : 13	6992	6	23	140
0002_05	0 ppm	Week : 13	6156	11	20	120
0003_05	0 ppm	Week : 13	6980	2.5	23	89
0004_05	0 ppm	Week : 13	5560	0	24	138
0005_05	0 ppm	Week : 13	6230	3.5	21	80
0006_05	0 ppm	Week : 13	6579	5	26	180
0007_05	0 ppm	Week : 13	6734	4	23	84
0008_05	0 ppm	Week : 13	7186	4.5	18	194
0009_05	0 ppm	Week : 13	6511	9.5	19	111
0010_05	0 ppm	Week : 13	5383	18.8	20	174
0011_05	0 ppm	Day : 3	5262	7.5	33	626
0011_05	0 ppm	Day : 23	6316	8.5	22	147
0012_05	0 ppm	Day : 3	5160	8	34	568
0012_05	0 ppm	Day : 23	6117	7	19	122
0013_05	0 ppm	Day : 3	4808	1	36	1025
0013_05	0 ppm	Day : 23	6016	10.5	26	270
0014_05	0 ppm	Day : 3	6378	7	29	668
0014_05	0 ppm	Day : 23	6647	9.5	25	271
0015_05	0 ppm	Day : 3	5250	6	31	774
0015_05	0 ppm	Day : 23	6042	6	22	176
0016_05	0 ppm	Day : 3	5332	0.5	35	940
0016_05	0 ppm	Day : 23	6158	7	26	209

MALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0017_05	0 ppm	Day : 3	5521	8.5	28	818
0017_05	0 ppm	Day : 23	6171	4.5	24	180
0018_05	0 ppm	Day : 3	5663	2	28	814
0018_05	0 ppm	Day : 23	6307	9.5	23	132
0019_05	0 ppm	Day : 3	6030	1	28	739
0019_05	0 ppm	Day : 23	6148	7.5	30	347
0020_05	0 ppm	Day : 3	5883	7.5	31	545
0020_05	0 ppm	Day : 23	6303	3.5	25	213
0201_05	8 ppm	Week : 13	7238	6.5	25	159
0202_05	8 ppm	Week : 13	6498	6.5	26	46
0203_05	8 ppm	Week : 13	7241	0.5	21	58
0204_05	8 ppm	Week : 13	6821	5	21	89
0205_05	8 ppm	Week : 13	6881	9.5	20	116
0206_05	8 ppm	Week : 13	6863	2	24	100
0207_05	8 ppm	Week : 13	6007	8	21	250
0208_05	8 ppm	Week : 13	6779	5	21	116
0209_05	8 ppm	Week : 13	6412	0.5	24	186
0210_05	8 ppm	Week : 13	7078	1	21	148
0211_05	8 ppm	Day : 3	5399	7.5	30	654
0211_05	8 ppm	Day : 23	5830	11.5	26	242
0212_05	8 ppm	Day : 3	5548	6.5	31	514
0212_05	8 ppm	Day : 23	6795	4.5	26	219

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First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0212_05	8 ppm	Day : 23	6795	4.5	26	219
0213_05	8 ppm	Day : 3	5767	7	28	804
0213_05	8 ppm	Day : 23	6310	9.5	29	287
0214_05	8 ppm	Day : 3	5023	3.5	28	540
0214_05	8 ppm	Day : 23	5391	10	25	225
0215_05	8 ppm	Day : 3	4776	6	28	663
0215_05	8 ppm	Day : 23	5359	7	26	273
0216_05	8 ppm	Day : 3	5680	7	31	492
0216_05	8 ppm	Day : 23	6462	8.5	23	118
0217_05	8 ppm	Day : 3	5703	6.5	28	588
0217_05	8 ppm	Day : 23	6137	6	28	264
0218_05	8 ppm	Day : 3	5738	6.5	32	786
0218_05	8 ppm	Day : 23	6406	2.5	28	278
0219_05	8 ppm	Day : 3	5968	4.5	27	622
0219_05	8 ppm	Day : 23	6829	4	29	353
0220_05	8 ppm	Day : 3	5766	8.5	30	677
0220_05	8 ppm	Day : 23	6658	8.5	29	304
0401_05	16 ppm	Week : 13	6742	2.5	21	178
0402_05	16 ppm	Week : 13	7353	3	22	84
0403_05	16 ppm	Week : 13	6523	4.5	27	74
0404_05	16 ppm	Week : 13	6237	22.5	33	153
0405_05	16 ppm	Week : 13	6726	5	21	122

MALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0406_05	16 ppm	Week : 13	6690	3	26	190
0407_05	16 ppm	Week : 13	6737	22	19	130
0408_05	16 ppm	Week : 13	7420	5	25	194
0409_05	16 ppm	Week : 13	6751	1.5	27	126
0410_05	16 ppm	Week : 13	6575	12	24	258
0411_05	16 ppm	Day : 3	5016	2	28	405
0411_05	16 ppm	Day : 23	5909	4	26	191
0412_05	16 ppm	Day : 3	5558	7.5	28	366
0412_05	16 ppm	Day : 23	5863	4.5	28	422
0413_05	16 ppm	Day : 3	5424	6.5	27	454
0413_05	16 ppm	Day : 23	6561	9.5	26	205
0414_05	16 ppm	Day : 3	6295	4	29	551
0414_05	16 ppm	Day : 23	6512	5	26	212
0415_05	16 ppm	Day : 3	5865	5	33	451
0415_05	16 ppm	Day : 23	6309	10	27	161
0416_05	16 ppm	Day : 3	5014	1.5	28	496
0416_05	16 ppm	Day : 23	5722	6	25	352
0417_05	16 ppm	Day : 3	5988	5.5	28	401
0417_05	16 ppm	Day : 23	6183	3	30	340
0418_05	16 ppm	Day : 3	6154	16.5	27	749
0418_05	16 ppm	Day : 23	6707	4.5	28	127
0419_05	16 ppm	Day : 3	5398	10.5	26	594

MALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0419_05	16 ppm	Day : 3	5398	10.5	26	594
0419_05	16 ppm	Day : 23	6734	5	24	324
0420_05	16 ppm	Day : 3	5351	6.5	27	614
0420_05	16 ppm	Day : 23	6215	5	26	111
0601_05	32 ppm	Week : 13	7420	2	26	191
0602_05	32 ppm	Week : 13	7331	4.8	20	176
0603_05	32 ppm	Week : 13	7052	6.5	21	158
0604_05	32 ppm	Week : 13	6422	3	27	182
0605_05	32 ppm	Week : 13	6595	4.5	25	174
0606_05	32 ppm	Week : 13	6559	4	21	200
0607_05	32 ppm	Week : 13	7037	4	19	89
0608_05	32 ppm	Week : 13	6317	6.5	25	108
0609_05	32 ppm	Week : 13	6832	5	20	72
0610_05	32 ppm	Week : 13	6974	2	27	273
0611_05	32 ppm	Day : 3	5224	10	27	454
0611_05	32 ppm	Day : 23	6314	5	26	423
0612_05	32 ppm	Day : 3	5630	6.5	30	391
0612_05	32 ppm	Day : 23	6114	5.5	31	156
0613_05	32 ppm	Day : 3	5428	5.5	25	325
0613_05	32 ppm	Day : 23	6113	3.5	25	179
0614_05	32 ppm	Day : 3	5325	5	22	309
0614_05	32 ppm	Day : 23	5722	4	29	258

MALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0615_05	32 ppm	Day : 3	5851	3.5	28	424
0615_05	32 ppm	Day : 23	6617	3.5	28	358
0616_05	32 ppm	Day : 3	5325	6	28	428
0616_05	32 ppm	Day : 23	5967	5	24	341
0617_05	32 ppm	Day : 3	5092	1.5	27	332
0617_05	32 ppm	Day : 23	5553	15	24	214
0618_05	32 ppm	Day : 3	5598	2	27	415
0618_05	32 ppm	Day : 23	6613	6	25	152
0619_05	32 ppm	Day : 3	5591	4.5	25	365
0619_05	32 ppm	Day : 23	6775	5	23	195
0620_05	32 ppm	Day : 3	5122	13	23	492
0620_05	32 ppm	Day : 23	5848	8.5	20	252
0801_05	64 ppm	Week : 13	6857	7	25	88
0802_05	64 ppm	Week : 13	6927	2	27	70
0803_05	64 ppm	Week : 13	6714	8.5	22	170
0804_05	64 ppm	Week : 13	6440	4	27	266
0805_05	64 ppm	Week : 13	6631	1.5	19	115
0806_05	64 ppm	Week : 13	6956	6	24	157
0807_05	64 ppm	Week : 13	5861	6.5	23	219
0808_05	64 ppm	Week : 13	6498	7	30	132
0809_05	64 ppm	Week : 13	6582	7.5	22	94
0810_05	64 ppm	Week : 13	6735	6	21	92

MALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0810_05	64 ppm	Week : 13	6735	6	21	92
0811_05	64 ppm	Day : 3	5592	11.5	22	307
0811_05	64 ppm	Day : 23	6348	3	25	195
0812_05	64 ppm	Day : 3	5162	6.5	24	524
0812_05	64 ppm	Day : 23	6378	7	25	180
0813_05	64 ppm	Day : 3	5543	3.5	26	400
0813_05	64 ppm	Day : 23	6174	2.5	22	121
0814_05	64 ppm	Day : 3	5628	2.5	22	348
0814_05	64 ppm	Day : 23	6599	3.5	28	166
0815_05	64 ppm	Day : 3	5418	14	23	746
0815_05	64 ppm	Day : 23	6461	5.5	26	173
0816_05	64 ppm	Day : 3	5317	7	26	302
0816_05	64 ppm	Day : 23	6123	8.5	28	172
0817_05	64 ppm	Day : 3	5601	4	24	398
0817_05	64 ppm	Day : 23	6135	4.5	27	247
0818_05	64 ppm	Day : 3	5114	2.5	23	392
0818_05	64 ppm	Day : 23	6563	3	28	239
0819_05	64 ppm	Day : 3	5518	17	23	387
0819_05	64 ppm	Day : 23	6202	10	23	456
0820_05	64 ppm	Day : 3	5534	2	25	315
0820_05	64 ppm	Day : 23	6675	3.5	24	234
1001_05	128 ppm	Week : 13	6768	6	24	278

MALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
1002_05	128 ppm	Week : 13	6164	5	22	121
1003_05	128 ppm	Week : 13	6268	1.5	24	251
1004_05	128 ppm	Week : 13	6654	9.5	23	191
1005_05	128 ppm	Week : 13	6559	16.2	25	144
1006_05	128 ppm	Week : 13	6158	1	28	69
1007_05	128 ppm	Week : 13	6527	11	22	237
1008_05	128 ppm	Week : 13	6169	14	33	106
1009_05	128 ppm	Week : 13	5910	6.5	21	204
1010_05	128 ppm	Week : 13	6730	3.5	23	65
1011_05	128 ppm	Day : 3	5215	12	26	247
1011_05	128 ppm	Day : 23	6078	2.5	26	335
1012_05	128 ppm	Day : 3	4876	15	25	802
1012_05	128 ppm	Day : 23	5523	16.5	22	321
1013_05	128 ppm	Day : 3	5243	4	27	258
1013_05	128 ppm	Day : 23	6027	7.5	25	209
1014_05	128 ppm	Day : 3	5186	3.5	25	294
1014_05	128 ppm	Day : 23	5882	5	26	139
1015_05	128 ppm	Day : 3	4931	4	18	305
1015_05	128 ppm	Day : 23	5915	48.3	21	383
1016_05	128 ppm	Day : 3	5887	4	23	448
1016_05	128 ppm	Day : 23	6334	5.5	23	148
1017_05	128 ppm	Day : 3	5761	3	24	330

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:04

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
1017_05	128 ppm	Day : 3	5761	3	24	330
1017_05	128 ppm	Day : 23	5828	3	26	374
1018_05	128 ppm	Day : 3	4699	6	24	415
1018_05	128 ppm	Day : 23	5796	7.5	23	180
1019_05	128 ppm	Day : 3	5467	3.5	26	344
1019_05	128 ppm	Day : 23	6355	6.5	23	199
1020_05	128 ppm	Day : 3	5298	2.5	26	219
1020_05	128 ppm	Day : 23	6529	6.5	24	183

Experiment Number: 05183-05

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 16:58:04

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0001_05	0 ppm	Week : 13	0.9	2.9	7.6	15
0002_05	0 ppm	Week : 13	0.6	2.8	7.4	17
0003_05	0 ppm	Week : 13	0.8	2.8	7.5	15
0004_05	0 ppm	Week : 13	0.9	3	7.2	12
0005_05	0 ppm	Week : 13	0.6	3	7.5	13
0006_05	0 ppm	Week : 13	0.9	3.2	7.7	14
0007_05	0 ppm	Week : 13	0.9	2.8	7.5	26
0008_05	0 ppm	Week : 13	0.8	2.5	7.2	11
0009_05	0 ppm	Week : 13	0.7	2.9	7.4	14
0010_05	0 ppm	Week : 13	0.8	2.5	7.3	12
0011_05	0 ppm	Day : 3	0.7	2.3	7.7	6
0011_05	0 ppm	Day : 23	0.7	2.4	7.2	7
0012_05	0 ppm	Day : 3	0.9	2.6	8.6	7
0012_05	0 ppm	Day : 23	0.6	2.4	7.7	10
0013_05	0 ppm	Day : 3	0.6	1.8	6.9	5
0013_05	0 ppm	Day : 23	0.8	2.3	7.5	9
0014_05	0 ppm	Day : 3	1	2.1	8.1	7
0014_05	0 ppm	Day : 23	1	2.8	8.3	11
0015_05	0 ppm	Day : 3	0.7	2.3	7.1	5
0015_05	0 ppm	Day : 23	0.7	2.5	7.7	10
0016_05	0 ppm	Day : 3	0.8	2.2	7.5	5
0016_05	0 ppm	Day : 23	0.7	2.7	7.9	11

MALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0017_05	0 ppm	Day : 3	0.9	2.3	7.5	6
0017_05	0 ppm	Day : 23	0.8	2.5	7.8	12
0018_05	0 ppm	Day : 3	0.9	2.3	7.1	8
0018_05	0 ppm	Day : 23	0.7	2.6	7.8	11
0019_05	0 ppm	Day : 3	0.8	2.3	7.9	7
0019_05	0 ppm	Day : 23	0.6	2.5	7.6	10
0020_05	0 ppm	Day : 3	1	2.1	7.5	6
0020_05	0 ppm	Day : 23	1	2.6	8	11
0201_05	8 ppm	Week : 13	0.7	2.7	7.6	18
0202_05	8 ppm	Week : 13	0.8	2.6	7.4	11
0203_05	8 ppm	Week : 13	0.8	2.4	7.3	14
0204_05	8 ppm	Week : 13	0.8	2.5	7.4	14
0205_05	8 ppm	Week : 13	0.8	2.5	7.5	24
0206_05	8 ppm	Week : 13	0.8	2.7	7.6	13
0207_05	8 ppm	Week : 13	0.8	2.3	6.9	13
0208_05	8 ppm	Week : 13	0.8	2.4	7.4	21
0209_05	8 ppm	Week : 13	0.8	2.7	7.4	18
0210_05	8 ppm	Week : 13	0.7	2.8	7.4	17
0211_05	8 ppm	Day : 3	0.8	2.2	7.1	10
0211_05	8 ppm	Day : 23	0.7	2.5	8.1	11
0212_05	8 ppm	Day : 3	0.9	2.1	7.8	8
0212_05	8 ppm	Day : 23	0.9	2.8	8.2	11

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:05

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0213_05	8 ppm	Day : 3	0.9	2.1	7.7	4
0213_05	8 ppm	Day : 23	0.9	2.5	7.8	12
0214_05	8 ppm	Day : 3	0.9	2.3	7	11
0214_05	8 ppm	Day : 23	0.6	2.4	7.6	12
0215_05	8 ppm	Day : 3	0.5	2.1	6.8	6
0215_05	8 ppm	Day : 23	0.7	2.5	7.7	11
0216_05	8 ppm	Day : 3	0.7	2.3	7.4	8
0216_05	8 ppm	Day : 23	0.7	2.6	7.9	8
0217_05	8 ppm	Day : 3	0.6	2.2	7	7
0217_05	8 ppm	Day : 23	0.8	2.7	8.1	11
0218_05	8 ppm	Day : 3	0.9	1.9	7.3	5
0218_05	8 ppm	Day : 23	1	2.5	7.8	10
0219_05	8 ppm	Day : 3	0.8	1.8	6.8	5
0219_05	8 ppm	Day : 23	0.9	3.1	8.6	13
0220_05	8 ppm	Day : 3	1.1	2	7.6	8
0220_05	8 ppm	Day : 23	1	2.8	8.1	12
0401_05	16 ppm	Week : 13	0.8	2.4	7.6	15
0402_05	16 ppm	Week : 13	0.7	2.7	7.8	16
0403_05	16 ppm	Week : 13	0.8	2.4	7.4	17
0404_05	16 ppm	Week : 13	1.1	2.7	7.1	58
0405_05	16 ppm	Week : 13	0.6	2.5	7.4	15
0406_05	16 ppm	Week : 13	0.9	2.5	7.2	16

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:05

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0407_05	16 ppm	Week : 13	0.7	2.5	7.4	10
0408_05	16 ppm	Week : 13	0.8	2.8	8	15
0409_05	16 ppm	Week : 13	0.9	2.7	7.4	16
0410_05	16 ppm	Week : 13	0.9	2.6	7.5	5
0411_05	16 ppm	Day : 3	0.7	2.3	7.1	9
0411_05	16 ppm	Day : 23	0.6	2.8	8	12
0412_05	16 ppm	Day : 3	0.9	1.8	7.4	12
0412_05	16 ppm	Day : 23	0.9	2.3	7.4	7
0413_05	16 ppm	Day : 3	0.6	1.9	7.1	9
0413_05	16 ppm	Day : 23	0.7	2.7	8.1	13
0414_05	16 ppm	Day : 3	0.8	1.9	7.1	7
0414_05	16 ppm	Day : 23	0.8	3	8.2	12
0415_05	16 ppm	Day : 3	0.9	2.3	7.8	14
0415_05	16 ppm	Day : 23	0.7	2.8	8.1	11
0416_05	16 ppm	Day : 3	0.7	2	6.9	11
0416_05	16 ppm	Day : 23	0.7	2.3	7.6	9
0417_05	16 ppm	Day : 3	0.8	2.1	7.1	9
0417_05	16 ppm	Day : 23	0.9	2.9	8.1	10
0418_05	16 ppm	Day : 3	0.8	2.1	7.6	6
0418_05	16 ppm	Day : 23	1	2.9	8.2	10
0419_05	16 ppm	Day : 3	0.8	2.2	6.7	8
0419_05	16 ppm	Day : 23	0.6	2.6	8	10

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:05

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0420_05	16 ppm	Day : 3	0.6	1.9	6.7	7
0420_05	16 ppm	Day : 23	0.7	2.9	8	10
0601_05	32 ppm	Week : 13	0.8	2.8	8	16
0602_05	32 ppm	Week : 13	0.8	2.7	7.8	17
0603_05	32 ppm	Week : 13	0.8	2.8	7.5	12
0604_05	32 ppm	Week : 13	0.9	2.7	7.4	16
0605_05	32 ppm	Week : 13	0.8	2.8	7.5	20
0606_05	32 ppm	Week : 13	0.8	2.5	7.3	14
0607_05	32 ppm	Week : 13	0.6	2.8	7.5	10
0608_05	32 ppm	Week : 13	0.9	2.7	7.7	13
0609_05	32 ppm	Week : 13	0.8	2.4	7.6	12
0610_05	32 ppm	Week : 13	0.8	2.8	7.5	15
0611_05	32 ppm	Day : 3	0.6	2	6.8	9
0611_05	32 ppm	Day : 23	0.7	2.6	7.9	9
0612_05	32 ppm	Day : 3	0.8	2.4	7.4	9
0612_05	32 ppm	Day : 23	1	2.6	7.8	10
0613_05	32 ppm	Day : 3	0.5	1.8	7.1	11
0613_05	32 ppm	Day : 23	0.7	2.5	7.6	11
0614_05	32 ppm	Day : 3	0.7	2.2	7.4	13
0614_05	32 ppm	Day : 23	0.9	2.4	7.6	14
0615_05	32 ppm	Day : 3	0.9	2.4	8.1	12
0615_05	32 ppm	Day : 23	1	2.9	8.4	11

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:05

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0616_05	32 ppm	Day : 3	0.7	2.1	7.4	8
0616_05	32 ppm	Day : 23	0.9	2.5	7.6	10
0617_05	32 ppm	Day : 3	0.7	2.4	7	14
0617_05	32 ppm	Day : 23	0.6	2.6	7.4	10
0618_05	32 ppm	Day : 3	0.6	2.3	7.4	11
0618_05	32 ppm	Day : 23	0.8	2.8	8.3	12
0619_05	32 ppm	Day : 3	0.6	2	7.1	10
0619_05	32 ppm	Day : 23	0.7	2.8	8.3	10
0620_05	32 ppm	Day : 3	0.7	2	6.6	13
0620_05	32 ppm	Day : 23	0.6	2.2	7.4	10
0801_05	64 ppm	Week : 13	0.8	2.6	7.6	15
0802_05	64 ppm	Week : 13	0.9	2.6	7.5	20
0803_05	64 ppm	Week : 13	0.7	2.4	7	13
0804_05	64 ppm	Week : 13	0.8	2.7	7.4	14
0805_05	64 ppm	Week : 13	0.7	2.7	7.3	13
0806_05	64 ppm	Week : 13	0.7	2.4	7.3	15
0807_05	64 ppm	Week : 13	0.7	2.5	7.1	13
0808_05	64 ppm	Week : 13	1	2.7	7.5	14
0809_05	64 ppm	Week : 13	0.7	2.6	7.3	15
0810_05	64 ppm	Week : 13	0.8	2.6	7.4	16
0811_05	64 ppm	Day : 3	0.7	1.9	7	12
0811_05	64 ppm	Day : 23	0.9	2.6	7.8	11

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:05

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0812_05	64 ppm	Day : 3	0.4	2	6.5	8
0812_05	64 ppm	Day : 23	0.7	2.7	7.9	11
0813_05	64 ppm	Day : 3	0.6	2.3	7.6	9
0813_05	64 ppm	Day : 23	0.7	2.6	7.8	8
0814_05	64 ppm	Day : 3	0.7	2.3	7.6	9
0814_05	64 ppm	Day : 23	0.9	2.6	8.1	11
0815_05	64 ppm	Day : 3	0.7	2.1	7.3	6
0815_05	64 ppm	Day : 23	0.9	2.6	8	9
0816_05	64 ppm	Day : 3	0.7	2	7.3	9
0816_05	64 ppm	Day : 23	0.9	2.4	7.9	11
0817_05	64 ppm	Day : 3	0.7	2	7.5	8
0817_05	64 ppm	Day : 23	0.9	2.4	7.5	9
0818_05	64 ppm	Day : 3	0.7	1.9	7.4	8
0818_05	64 ppm	Day : 23	0.9	2.7	7.9	11
0819_05	64 ppm	Day : 3	0.5	1.9	6.9	11
0819_05	64 ppm	Day : 23	0.7	2.6	7.6	8
0820_05	64 ppm	Day : 3	0.5	2.1	6.8	11
0820_05	64 ppm	Day : 23	0.7	2.5	7.6	12
1001_05	128 ppm	Week : 13	0.8	2.4	7.4	16
1002_05	128 ppm	Week : 13	0.7	2.1	6.8	16
1003_05	128 ppm	Week : 13	0.9	2.7	7.3	11
1004_05	128 ppm	Week : 13	0.7	2.4	7.1	12

MALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
1005_05	128 ppm	Week : 13	0.8	2.5	7.3	26
1006_05	128 ppm	Week : 13	0.8	2.7	7.3	11
1007_05	128 ppm	Week : 13	0.7	2.4	7.1	12
1008_05	128 ppm	Week : 13	0.9	3	7.2	21
1009_05	128 ppm	Week : 13	0.7	2.3	7	11
1010_05	128 ppm	Week : 13	0.7	2.7	7.5	11
1011_05	128 ppm	Day : 3	0.8	1.8	7	10
1011_05	128 ppm	Day : 23	0.9	2.6	7.9	10
1012_05	128 ppm	Day : 3	0.7	2.1	6.5	10
1012_05	128 ppm	Day : 23	0.7	2.3	7.1	13
1013_05	128 ppm	Day : 3	0.5	2.2	7.5	11
1013_05	128 ppm	Day : 23	0.6	2.6	7.8	11
1014_05	128 ppm	Day : 3	0.5	2.3	7.1	11
1014_05	128 ppm	Day : 23	0.7	2.7	8	10
1015_05	128 ppm	Day : 3	0.6	1.7	6	13
1015_05	128 ppm	Day : 23	0.7	2.4	7.5	7
1016_05	128 ppm	Day : 3	0.5	2.2	7.1	7
1016_05	128 ppm	Day : 23	0.6	2.6	7.7	10
1017_05	128 ppm	Day : 3	0.7	1.8	7.2	10
1017_05	128 ppm	Day : 23	0.8	2.8	7.9	8
1018_05	128 ppm	Day : 3	0.4	2	6.9	9
1018_05	128 ppm	Day : 23	0.7	2.5	7.7	11

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:05

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
1019_05	128 ppm	Day : 3	0.6	2.4	7.5	13
1019_05	128 ppm	Day : 23	0.6	2.6	8	11
1020_05	128 ppm	Day : 3	0.7	1.7	7.3	9
1020_05	128 ppm	Day : 23	0.8	2.7	7.8	9

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:05

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0101_05	0 ppm	Week : 13	5.5	2.29	365	46
0102_05	0 ppm	Week : 13	4.5	1.87	293	33
0103_05	0 ppm	Week : 13	5.2	2.08	395	178
0104_05	0 ppm	Week : 13	5	2.17	337	62
0105_05	0 ppm	Week : 13	4.9	2.23	339	49
0106_05	0 ppm	Week : 13	4.6	2	356	47
0107_05	0 ppm	Week : 13	5.1	2.04	376	75
0108_05	0 ppm	Week : 13	4.9	1.81	370	52
0109_05	0 ppm	Week : 13	5.5	2.62	354	94
0110_05	0 ppm	Week : 13	4.5	1.87	321	68
0111_05	0 ppm	Day : 3	5.4	2.16	1060	41
0111_05	0 ppm	Day : 23	5.8	2.64	685	30
0112_05	0 ppm	Day : 3	5.1	2.32	970	38
0112_05	0 ppm	Day : 23	6.5	3.42	694	29
0113_05	0 ppm	Day : 3	5	2.5	1037	40
0113_05	0 ppm	Day : 23	5.7	3.56	718	44
0114_05	0 ppm	Day : 3	4.8	2	1065	48
0114_05	0 ppm	Day : 23	5.5	2.62	684	27
0115_05	0 ppm	Day : 3	5.3	2.3	1033	39
0115_05	0 ppm	Day : 23	5.6	2.55	705	39
0116_05	0 ppm	Day : 3	5.2	2.26	982	30
0116_05	0 ppm	Day : 23	5.7	2.48	666	38

Experiment Number: 05183-05

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 16:58:05

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0117_05	0 ppm	Day : 3	5.3	2.12	1026	40
0117_05	0 ppm	Day : 23	5.4	2.25	761	33
0118_05	0 ppm	Day : 3	5.3	2.52	850	32
0118_05	0 ppm	Day : 23	5.5	2.39	671	31
0119_05	0 ppm	Day : 3	5.2	2.08	1005	38
0119_05	0 ppm	Day : 23	5.9	2.81	857	36
0120_05	0 ppm	Day : 3	4.9	2.23	926	32
0120_05	0 ppm	Day : 23	5.5	2.89	580	38
0301_05	8 ppm	Week : 13	5.6	2.15	421	49
0302_05	8 ppm	Week : 13	5.7	2.19	384	68
0303_05	8 ppm	Week : 13	5.2	2.36	346	58
0304_05	8 ppm	Week : 13	4.8	2.18	383	41
0305_05	8 ppm	Week : 13	5	2.27	330	36
0306_05	8 ppm	Week : 13	5.1	2.22	378	52
0307_05	8 ppm	Week : 13	5	2.08	361	53
0308_05	8 ppm	Week : 13	5.2	2.08	383	54
0309_05	8 ppm	Week : 13	4.7	1.96	405	48
0310_05	8 ppm	Week : 13	5.4	2.57	357	48
0311_05	8 ppm	Day : 3	5.1	2.68	870	31
0311_05	8 ppm	Day : 23	5.4	2.45	607	31
0312_05	8 ppm	Day : 3	5	2.38	960	41
0312_05	8 ppm	Day : 23	5.7	2.38	611	29

FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0313_05	8 ppm	Day : 3	5.1	2.32	990	36
0313_05	8 ppm	Day : 23	5.5	2.5	682	31
0314_05	8 ppm	Day : 3	5.2	2.48	886	39
0314_05	8 ppm	Day : 23	5.7	2.48	603	27
0315_05	8 ppm	Day : 3	5	2.27	922	30
0315_05	8 ppm	Day : 23	5.2	2.26	552	29
0316_05	8 ppm	Day : 3	4.8	2.29	889	34
0316_05	8 ppm	Day : 23	5.4	2.7	514	30
0317_05	8 ppm	Day : 3	5.2	2.17	1082	39
0317_05	8 ppm	Day : 23	5.9	2.81	697	32
0318_05	8 ppm	Day : 3	4.9	2.13	844	31
0318_05	8 ppm	Day : 23	5.9	2.68	625	36
0319_05	8 ppm	Day : 3	4.8	2.29	1089	41
0319_05	8 ppm	Day : 23	5.5	2.62	728	31
0320_05	8 ppm	Day : 3	4.6	1.84	1009	45
0320_05	8 ppm	Day : 23	5.8	2.76	623	30
0501_05	16 ppm	Week : 13	5.3	2.21	435	52
0502_05	16 ppm	Week : 13	5.1	2.22	352	33
0503_05	16 ppm	Week : 13	5.8	2.32	380	53
0504_05	16 ppm	Week : 13	5	2.08	382	45
0505_05	16 ppm	Week : 13	4.7	2.47	393	49
0506_05	16 ppm	Week : 13	5.8	2	477	66

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:05

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0507_05	16 ppm	Week : 13	5	2.5	388	48
0508_05	16 ppm	Week : 13	4.6	1.77	413	53
0509_05	16 ppm	Week : 13	5.2	2.38	373	42
0510_05	16 ppm	Week : 13	5.3	2.3	403	52
0511_05	16 ppm	Day : 3	5.1	2.32	918	36
0511_05	16 ppm	Day : 23	5.4	3	554	30
0512_05	16 ppm	Day : 3	5	2.08	1046	40
0512_05	16 ppm	Day : 23	5.9	2.81	700	26
0513_05	16 ppm	Day : 3	4.9	2.33	881	35
0513_05	16 ppm	Day : 23	5	2.38	515	35
0514_05	16 ppm	Day : 3	4.7	2.14	972	42
0514_05	16 ppm	Day : 23	5.8	3.05	662	31
0515_05	16 ppm	Day : 3	4.9	2.72	1165	46
0515_05	16 ppm	Day : 23	5.9	3.28	726	30
0516_05	16 ppm	Day : 3	5.4	2.84	911	34
0516_05	16 ppm	Day : 23	5.6	2.8	638	30
0517_05	16 ppm	Day : 3	5.2	2.26	1194	47
0517_05	16 ppm	Day : 23	5.4	2.45	692	32
0518_05	16 ppm	Day : 3	4.9	2.23	1061	43
0518_05	16 ppm	Day : 23	5.7	2.59	677	26
0519_05	16 ppm	Day : 3	4.9	2.23	894	29
0519_05	16 ppm	Day : 23	5.7	2.71	714	33

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:05

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0520_05	16 ppm	Day : 3	4.9	2.45	845	36
0520_05	16 ppm	Day : 23	5.7	2.59	676	27
0701_05	32 ppm	Week : 13	5.6	1.93	403	78
0702_05	32 ppm	Week : 13	5.1	2.12	351	35
0703_05	32 ppm	Week : 13	4.9	1.88	378	42
0704_05	32 ppm	Week : 13	5.2	2	350	41
0705_05	32 ppm	Week : 13	5.2	2.17	403	45
0706_05	32 ppm	Week : 13	5.5	2.75	408	50
0707_05	32 ppm	Week : 13	4.9	2.13	391	56
0708_05	32 ppm	Week : 13	5	2.17	361	63
0709_05	32 ppm	Week : 13	4.8	2.18	373	55
0710_05	32 ppm	Week : 13	4.8	2.29	435	57
0711_05	32 ppm	Day : 3	4.7	2.47	959	42
0711_05	32 ppm	Day : 23	5.6	2.55	671	34
0712_05	32 ppm	Day : 3	4.8	2.4	992	44
0712_05	32 ppm	Day : 23	5.6	2.43	680	29
0713_05	32 ppm	Day : 3	5.2	2.36	1179	42
0713_05	32 ppm	Day : 23	5.8	2.52	780	35
0714_05	32 ppm	Day : 3	5	2.27	895	43
0714_05	32 ppm	Day : 23	5.5	2.29	629	25
0715_05	32 ppm	Day : 3	5	2.17	941	43
0715_05	32 ppm	Day : 23	5.4	2.45	727	34

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:06

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0716_05	32 ppm	Day : 3	5	2.17	878	43
0716_05	32 ppm	Day : 23	5.4	2.57	592	39
0717_05	32 ppm	Day : 3	4.6	1.84	899	43
0717_05	32 ppm	Day : 23	5.9	2.81	692	30
0718_05	32 ppm	Day : 3	4.7	2.47	792	29
0718_05	32 ppm	Day : 23	6.1	3.05	624	30
0719_05	32 ppm	Day : 3	4.9	2.33	905	31
0719_05	32 ppm	Day : 23	5.5	2.89	589	31
0720_05	32 ppm	Day : 3	4.7	2.14	868	31
0720_05	32 ppm	Day : 23	5.4	2.16	591	30
0901_05	64 ppm	Week : 13	5.4	2.08	474	78
0902_05	64 ppm	Week : 13	5.5	2.29	337	45
0903_05	64 ppm	Week : 13	4.9	1.81	391	40
0904_05	64 ppm	Week : 13	5.1	2.68	365	41
0905_05	64 ppm	Week : 13	5.4	2.08	427	97
0906_05	64 ppm	Week : 13	5.3	2.21	380	51
0907_05	64 ppm	Week : 13	4.9	2.04	349	51
0908_05	64 ppm	Week : 13	4.7	2.14	410	63
0909_05	64 ppm	Week : 13	4.6	2.09	356	46
0910_05	64 ppm	Week : 13	4.9	2.13	426	46
0911_05	64 ppm	Day : 3	4.4	2.44	755	38
0911_05	64 ppm	Day : 23	5.8	2.64	604	38

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:06

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0912_05	64 ppm	Day : 3	4.4	2.32	846	33
0912_05	64 ppm	Day : 23	5.6	2.95	606	35
0913_05	64 ppm	Day : 3	4.9	2.45	1007	44
0913_05	64 ppm	Day : 23	5.6	2.55	674	35
0914_05	64 ppm	Day : 3	5.5	2.39	786	39
0915_05	64 ppm	Day : 3	4.6	2.19	836	40
0915_05	64 ppm	Day : 23	5.3	2.3	666	29
0916_05	64 ppm	Day : 3	4.8	2.18	904	34
0916_05	64 ppm	Day : 23	5.5	2.75	562	30
0917_05	64 ppm	Day : 3	5	2.5	1013	46
0917_05	64 ppm	Day : 23	5.7	2.71	689	23
0918_05	64 ppm	Day : 3	4.8	2.4	941	45
0918_05	64 ppm	Day : 23	5.4	2.45	668	41
0919_05	64 ppm	Day : 3	4.7	2.35	864	32
0919_05	64 ppm	Day : 23	5.4	2.16	680	30
0920_05	64 ppm	Day : 3	4.8	2.4	688	32
0920_05	64 ppm	Day : 23	5.2	2.6	510	32
1101_05	128 ppm	Week : 13	4.8	2.18	360	41
1102_05	128 ppm	Week : 13	5.1	2.22	407	59
1103_05	128 ppm	Week : 13	5	2.17	376	57
1104_05	128 ppm	Week : 13	5.6	2.33	356	76
1105_05	128 ppm	Week : 13	5.2	2.17	431	43

Experiment Number: 05183-05

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 16:58:06

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
1106_05	128 ppm	Week : 13	5.8	2.42	426	76
1107_05	128 ppm	Week : 13	4.9	1.96	370	49
1108_05	128 ppm	Week : 13	5.4	2.57	493	53
1109_05	128 ppm	Week : 13	4.9	2.13	413	45
1110_05	128 ppm	Week : 13	5.1	2.04	409	73
1111_05	128 ppm	Day : 3	4.5	1.96	1031	42
1111_05	128 ppm	Day : 23	6	3	691	33
1112_05	128 ppm	Day : 3	4.8	2.4	950	42
1112_05	128 ppm	Day : 23	5.6	2.67	636	34
1113_05	128 ppm	Day : 3	4.5	2.5	794	36
1113_05	128 ppm	Day : 23	5.5	2.5	651	33
1114_05	128 ppm	Day : 3	4.6	2.3	737	34
1114_05	128 ppm	Day : 23	5.6	2.95	604	34
1115_05	128 ppm	Day : 3	4.7	2.61	830	35
1115_05	128 ppm	Day : 23	5.9	3.47	642	33
1116_05	128 ppm	Day : 3	4.9	2.23	864	42
1116_05	128 ppm	Day : 23	6.2	2.48	699	34
1117_05	128 ppm	Day : 3	4.7	2.47	783	33
1117_05	128 ppm	Day : 23	6	3	706	27
1118_05	128 ppm	Day : 3	4.7	2.61	1080	47
1118_05	128 ppm	Day : 23	5.4	2.35	815	30
1119_05	128 ppm	Day : 3	4.7	2.76	677	31

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:06

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
1119_05	128 ppm	Day : 23	5.4	3.18	694	38
1120_05	128 ppm	Day : 3	4.6	2	628	26
1120_05	128 ppm	Day : 23	5.2	2.36	483	29

FEMALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0101_05	0 ppm	Week : 13	6085	30.5	26	138
0102_05	0 ppm	Week : 13	4344	9	22	206
0103_05	0 ppm	Week : 13	5515	31	30	115
0104_05	0 ppm	Week : 13	4646	8	22	287
0105_05	0 ppm	Week : 13	4521	1.5	22	419
0106_05	0 ppm	Week : 13	4700	5	23	227
0107_05	0 ppm	Week : 13	5732	8	28	74
0108_05	0 ppm	Week : 13	4582	8	24	177
0109_05	0 ppm	Week : 13	5072	13.5	32	105
0110_05	0 ppm	Week : 13	4220	5.5	25	176
0111_05	0 ppm	Day : 3	4431	12.5	37	680
0111_05	0 ppm	Day : 23	4686	6	33	163
0112_05	0 ppm	Day : 3	4374	2.5	33	499
0112_05	0 ppm	Day : 23	4858	5	30	104
0113_05	0 ppm	Day : 3	3929	1	33	289
0113_05	0 ppm	Day : 23	4515	13	25	150
0114_05	0 ppm	Day : 3	3871	6.5	34	430
0114_05	0 ppm	Day : 23	4391	7.5	29	260
0115_05	0 ppm	Day : 3	4596	2.5	33	326
0115_05	0 ppm	Day : 23	4597	5.5	26	165
0116_05	0 ppm	Day : 3	4267	6	32	303
0116_05	0 ppm	Day : 23	4847	4	26	188

FEMALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0117_05	0 ppm	Day : 3	4465	14	31	490
0117_05	0 ppm	Day : 23	4630	3.5	29	242
0118_05	0 ppm	Day : 3	4232	9.5	35	256
0118_05	0 ppm	Day : 23	4332	8.5	28	128
0119_05	0 ppm	Day : 3	4022	12.5	38	407
0119_05	0 ppm	Day : 23	4480	9.5	35	168
0120_05	0 ppm	Day : 3	4111	2	28	304
0120_05	0 ppm	Day : 23	4536	16	22	107
0301_05	8 ppm	Week : 13	5281	5	21	57
0302_05	8 ppm	Week : 13	5933	15	24	111
0303_05	8 ppm	Week : 13	4544	8	19	83
0304_05	8 ppm	Week : 13	4751	12	24	268
0305_05	8 ppm	Week : 13	4486	8.5	22	92
0306_05	8 ppm	Week : 13	4194	8	22	104
0307_05	8 ppm	Week : 13	4370	5	26	246
0308_05	8 ppm	Week : 13	4769	10.5	22	68
0309_05	8 ppm	Week : 13	5417	13	28	136
0310_05	8 ppm	Week : 13	5988	6	31	137
0311_05	8 ppm	Day : 3	4057	1	36	420
0311_05	8 ppm	Day : 23	4202	3.5	25	198
0312_05	8 ppm	Day : 3	4180	8	37	316
0312_05	8 ppm	Day : 23	4713	10.5	32	414

FEMALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0312_05	8 ppm	Day : 23	4713	10.5	32	414
0313_05	8 ppm	Day : 3	4317	3.5	31	266
0313_05	8 ppm	Day : 23	4356	5	27	152
0314_05	8 ppm	Day : 3	4303	5.5	30	264
0314_05	8 ppm	Day : 23	4287	6.5	31	195
0315_05	8 ppm	Day : 3	4147	4.5	34	316
0315_05	8 ppm	Day : 23	4401	3.5	24	111
0316_05	8 ppm	Day : 3	4004	4.5	30	343
0316_05	8 ppm	Day : 23	3305	11	24	164
0317_05	8 ppm	Day : 3	4446	7	35	300
0317_05	8 ppm	Day : 23	4677	3.5	28	211
0318_05	8 ppm	Day : 3	4251	1	28	495
0318_05	8 ppm	Day : 23	4587	2	27	243
0319_05	8 ppm	Day : 3	3918	6	31	411
0319_05	8 ppm	Day : 23	4210	7.5	26	348
0320_05	8 ppm	Day : 3	3896	5.5	32	600
0320_05	8 ppm	Day : 23	4158	6.5	35	270
0501_05	16 ppm	Week : 13	5110	2.5	25	258
0502_05	16 ppm	Week : 13	5095	4	26	306
0503_05	16 ppm	Week : 13	5535	12	24	111
0504_05	16 ppm	Week : 13	5029	9	23	113
0505_05	16 ppm	Week : 13	4701	11.5	26	133

FEMALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0506_05	16 ppm	Week : 13	5358	6.5	23	97
0507_05	16 ppm	Week : 13	5539	7	30	147
0508_05	16 ppm	Week : 13	4978	10	25	216
0509_05	16 ppm	Week : 13	4466	19.5	23	160
0510_05	16 ppm	Week : 13	4760	2.5	21	50
0511_05	16 ppm	Day : 3	4192	5	32	260
0511_05	16 ppm	Day : 23	4066	6	22	172
0512_05	16 ppm	Day : 3	4157	12	34	290
0512_05	16 ppm	Day : 23	4379	12	32	180
0513_05	16 ppm	Day : 3	4288	6	43	258
0513_05	16 ppm	Day : 23	4178	17	34	270
0514_05	16 ppm	Day : 3	4000	5	31	260
0514_05	16 ppm	Day : 23	4625	2.5	27	282
0515_05	16 ppm	Day : 3	4358	14.5	29	552
0515_05	16 ppm	Day : 23	4701	6.5	22	164
0516_05	16 ppm	Day : 3	4148	5	27	299
0516_05	16 ppm	Day : 23	4483	3.5	28	327
0517_05	16 ppm	Day : 3	4276	9.5	29	285
0517_05	16 ppm	Day : 23	4597	11.5	30	172
0518_05	16 ppm	Day : 3	3899	7.5	27	219
0518_05	16 ppm	Day : 23	4555	5.5	26	196
0519_05	16 ppm	Day : 3	4087	6	30	208

FEMALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0519_05	16 ppm	Day : 3	4087	6	30	208
0519_05	16 ppm	Day : 23	4146	3	26	294
0520_05	16 ppm	Day : 3	3846	2	26	216
0520_05	16 ppm	Day : 23	4391	6	29	217
0701_05	32 ppm	Week : 13	6048	9.5	24	243
0702_05	32 ppm	Week : 13	5099	9	27	163
0703_05	32 ppm	Week : 13	4997	5	26	257
0704_05	32 ppm	Week : 13	4697	5	21	206
0705_05	32 ppm	Week : 13	4676	10	21	63
0706_05	32 ppm	Week : 13	6099	8	32	219
0707_05	32 ppm	Week : 13	4895	8	22	60
0708_05	32 ppm	Week : 13	4358	11	20	426
0709_05	32 ppm	Week : 13	5260	7	25	263
0710_05	32 ppm	Week : 13	4634	4.5	25	207
0711_05	32 ppm	Day : 3	3999	5.5	32	252
0711_05	32 ppm	Day : 23	4406	12	29	350
0712_05	32 ppm	Day : 3	4353	4.5	30	196
0712_05	32 ppm	Day : 23	4457	6.5	28	220
0713_05	32 ppm	Day : 3	4333	5.5	29	212
0713_05	32 ppm	Day : 23	4602	16.5	27	152
0714_05	32 ppm	Day : 3	4047	5.5	31	195
0714_05	32 ppm	Day : 23	4551	6	34	206

FEMALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0715_05	32 ppm	Day : 3	4208	5	34	222
0715_05	32 ppm	Day : 23	4253	6	35	183
0716_05	32 ppm	Day : 3	4354	4.5	30	191
0716_05	32 ppm	Day : 23	4086	18	33	117
0717_05	32 ppm	Day : 3	3931	7	30	514
0717_05	32 ppm	Day : 23	4184	8.5	35	316
0718_05	32 ppm	Day : 3	4014	5.5	26	324
0718_05	32 ppm	Day : 23	4556	3	27	190
0719_05	32 ppm	Day : 3	3876	4	30	313
0719_05	32 ppm	Day : 23	4345	7.5	28	252
0720_05	32 ppm	Day : 3	4174	3.5	26	278
0720_05	32 ppm	Day : 23	4097	11.5	32	346
0901_05	64 ppm	Week : 13	5043	5.5	28	204
0902_05	64 ppm	Week : 13	8514	8.5	29	166
0903_05	64 ppm	Week : 13	4784	8	22	266
0904_05	64 ppm	Week : 13	5211	7	27	137
0905_05	64 ppm	Week : 13	5228	6.5	24	147
0906_05	64 ppm	Week : 13	4768	5	22	78
0907_05	64 ppm	Week : 13	4342	11	19	125
0908_05	64 ppm	Week : 13	4195	29	23	65
0909_05	64 ppm	Week : 13	3983	4.5	20	78
0910_05	64 ppm	Week : 13	4608	7	24	100

FEMALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
0910_05	64 ppm	Week : 13	4608	7	24	100
0911_05	64 ppm	Day : 3	3780	7.5	24	324
0911_05	64 ppm	Day : 23	4306	11	27	262
0912_05	64 ppm	Day : 3	3881	5.5	27	216
0912_05	64 ppm	Day : 23	3865	3	26	132
0913_05	64 ppm	Day : 3	4181	8.5	37	397
0913_05	64 ppm	Day : 23	4521	9.5	27	218
0914_05	64 ppm	Day : 3	3424	30	30	1073
0915_05	64 ppm	Day : 3	3772	3.5	28	349
0915_05	64 ppm	Day : 23	4152	8	28	166
0916_05	64 ppm	Day : 3	3881	5	27	329
0916_05	64 ppm	Day : 23	4154	4	24	125
0917_05	64 ppm	Day : 3	4091	4.5	31	446
0917_05	64 ppm	Day : 23	4271	7.5	31	185
0918_05	64 ppm	Day : 3	3789	6.5	30	532
0918_05	64 ppm	Day : 23	4094	13.5	28	115
0919_05	64 ppm	Day : 3	3962	4.5	29	494
0919_05	64 ppm	Day : 23	4285	6.5	29	160
0920_05	64 ppm	Day : 3	3968	6	26	378
0920_05	64 ppm	Day : 23	4205	7.5	26	331
1101_05	128 ppm	Week : 13	4605	1.5	23	126
1102_05	128 ppm	Week : 13	4075	10.5	21	87

Experiment Number: 05183-05

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 16:58:06

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
1103_05	128 ppm	Week : 13	5134	10	26	228
1104_05	128 ppm	Week : 13	5105	7.5	21	178
1105_05	128 ppm	Week : 13	5029	39	25	73
1106_05	128 ppm	Week : 13	4895	8.5	24	113
1107_05	128 ppm	Week : 13	4442	16.5	22	71
1108_05	128 ppm	Week : 13	5225	21.5	33	85
1109_05	128 ppm	Week : 13	3892	9.5	22	54
1110_05	128 ppm	Week : 13	4637	3.5	23	200
1111_05	128 ppm	Day : 3	3658	10.5	29	301
1111_05	128 ppm	Day : 23	4111	3.5	26	252
1112_05	128 ppm	Day : 3	4615	4.8	34	285
1112_05	128 ppm	Day : 23	4310	4.5	26	256
1113_05	128 ppm	Day : 3	3816	4.5	26	376
1113_05	128 ppm	Day : 23	4303	12	27	337
1114_05	128 ppm	Day : 3	3749	6	27	403
1114_05	128 ppm	Day : 23	3977	6.5	28	136
1115_05	128 ppm	Day : 3	3658	5.5	28	284
1115_05	128 ppm	Day : 23	4074	6	28	221
1116_05	128 ppm	Day : 3	4235	5	27	252
1116_05	128 ppm	Day : 23	4329	2.5	30	206
1117_05	128 ppm	Day : 3	4071	3.5	26	264
1117_05	128 ppm	Day : 23	4569	7	33	174

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:06

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Amylase mU per mL	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L
1117_05	128 ppm	Day : 23	4569	7	33	174
1118_05	128 ppm	Day : 3	4024	7.5	23	299
1118_05	128 ppm	Day : 23	4329	12.5	33	444
1119_05	128 ppm	Day : 3	3853	4.5	24	343
1119_05	128 ppm	Day : 23	3954	7	31	240
1120_05	128 ppm	Day : 3	4153	4	23	244
1120_05	128 ppm	Day : 23	4100	4.5	22	243

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:07

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0101_05	0 ppm	Week : 13	0.9	2.4	7.9	12
0102_05	0 ppm	Week : 13	0.8	2.4	6.9	13
0103_05	0 ppm	Week : 13	0.9	2.5	7.7	39
0104_05	0 ppm	Week : 13	0.8	2.3	7.3	14
0105_05	0 ppm	Week : 13	0.7	2.2	7.1	8
0106_05	0 ppm	Week : 13	0.8	2.3	6.9	10
0107_05	0 ppm	Week : 13	0.8	2.5	7.6	16
0108_05	0 ppm	Week : 13	0.8	2.7	7.6	15
0109_05	0 ppm	Week : 13	0.9	2.1	7.6	21
0110_05	0 ppm	Week : 13	0.8	2.4	6.9	14
0111_05	0 ppm	Day : 3	1	2.5	7.9	
0111_05	0 ppm	Day : 23	1	2.2	8	11
0112_05	0 ppm	Day : 3	0.8	2.2	7.3	
0112_05	0 ppm	Day : 23	0.6	1.9	8.4	13
0113_05	0 ppm	Day : 3	0.7	2	7	
0113_05	0 ppm	Day : 23	0.6	1.6	7.3	14
0114_05	0 ppm	Day : 3	1	2.4	7.2	
0114_05	0 ppm	Day : 23	0.9	2.1	7.6	11
0115_05	0 ppm	Day : 3	0.8	2.3	7.6	
0115_05	0 ppm	Day : 23	0.8	2.2	7.8	9
0116_05	0 ppm	Day : 3	0.7	2.3	7.5	
0116_05	0 ppm	Day : 23	0.8	2.3	8	11

Experiment Number: 05183-05

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 16:58:07

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0117_05	0 ppm	Day : 3	0.9	2.5	7.8	
0117_05	0 ppm	Day : 23	1	2.4	7.8	9
0118_05	0 ppm	Day : 3	1	2.1	7.4	
0118_05	0 ppm	Day : 23	0.8	2.3	7.8	11
0119_05	0 ppm	Day : 3	0.9	2.5	7.7	
0119_05	0 ppm	Day : 23	1.1	2.1	8	11
0120_05	0 ppm	Day : 3	0.7	2.2	7.1	
0120_05	0 ppm	Day : 23	0.6	1.9	7.4	14
0301_05	8 ppm	Week : 13	0.7	2.6	8.2	11
0302_05	8 ppm	Week : 13	0.8	2.6	8.3	16
0303_05	8 ppm	Week : 13	0.7	2.2	7.4	17
0304_05	8 ppm	Week : 13	0.7	2.2	7	13
0305_05	8 ppm	Week : 13	0.7	2.2	7.2	12
0306_05	8 ppm	Week : 13	0.7	2.3	7.4	16
0307_05	8 ppm	Week : 13	0.6	2.4	7.4	12
0308_05	8 ppm	Week : 13	0.7	2.5	7.7	14
0309_05	8 ppm	Week : 13	0.7	2.4	7.1	13
0310_05	8 ppm	Week : 13	0.8	2.1	7.5	11
0311_05	8 ppm	Day : 3	0.8	1.9	7	
0311_05	8 ppm	Day : 23	0.7	2.2	7.6	9
0312_05	8 ppm	Day : 3	0.8	2.1	7.1	
0312_05	8 ppm	Day : 23	1	2.4	8.1	9

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:07

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0313_05	8 ppm	Day : 3	0.7	2.2	7.3	
0313_05	8 ppm	Day : 23	0.7	2.2	7.7	11
0314_05	8 ppm	Day : 3	0.9	2.1	7.3	
0314_05	8 ppm	Day : 23	1	2.3	8	11
0315_05	8 ppm	Day : 3	0.7	2.2	7.2	
0315_05	8 ppm	Day : 23	0.7	2.3	7.5	6
0316_05	8 ppm	Day : 3	0.6	2.1	6.9	
0316_05	8 ppm	Day : 23	0.8	2	7.4	11
0317_05	8 ppm	Day : 3	0.9	2.4	7.6	
0317_05	8 ppm	Day : 23	0.9	2.1	8	10
0318_05	8 ppm	Day : 3	0.7	2.3	7.2	
0318_05	8 ppm	Day : 23	0.9	2.2	8.1	16
0319_05	8 ppm	Day : 3	0.7	2.1	6.9	
0319_05	8 ppm	Day : 23	0.8	2.1	7.6	9
0320_05	8 ppm	Day : 3	0.8	2.5	7.1	
0320_05	8 ppm	Day : 23	0.9	2.1	7.9	11
0501_05	16 ppm	Week : 13	0.7	2.4	7.7	15
0502_05	16 ppm	Week : 13	0.8	2.3	7.4	10
0503_05	16 ppm	Week : 13	0.8	2.5	8.3	17
0504_05	16 ppm	Week : 13	0.7	2.4	7.4	14
0505_05	16 ppm	Week : 13	0.7	1.9	6.6	14
0506_05	16 ppm	Week : 13	0.7	2.9	8.7	19

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:07

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0507_05	16 ppm	Week : 13	0.8	2	7	12
0508_05	16 ppm	Week : 13	0.7	2.6	7.2	18
0509_05	16 ppm	Week : 13	0.8	2.2	7.4	15
0510_05	16 ppm	Week : 13	0.7	2.3	7.6	13
0511_05	16 ppm	Day : 3	0.7	2.2	7.3	
0511_05	16 ppm	Day : 23	0.7	1.8	7.2	9
0512_05	16 ppm	Day : 3	0.8	2.4	7.4	
0512_05	16 ppm	Day : 23	1	2.1	8	11
0513_05	16 ppm	Day : 3	0.8	2.1	7	
0513_05	16 ppm	Day : 23	0.8	2.1	7.1	12
0514_05	16 ppm	Day : 3	0.6	2.2	6.9	
0514_05	16 ppm	Day : 23	0.8	1.9	7.7	12
0515_05	16 ppm	Day : 3	0.6	1.8	6.7	
0515_05	16 ppm	Day : 23	0.6	1.8	7.7	14
0516_05	16 ppm	Day : 3	0.7	1.9	7.3	
0516_05	16 ppm	Day : 23	0.6	2	7.6	11
0517_05	16 ppm	Day : 3	0.9	2.3	7.5	
0517_05	16 ppm	Day : 23	1	2.2	7.6	12
0518_05	16 ppm	Day : 3	0.8	2.2	7.1	
0518_05	16 ppm	Day : 23	0.9	2.2	7.9	12
0519_05	16 ppm	Day : 3	0.8	2.2	7.1	
0519_05	16 ppm	Day : 23	0.8	2.1	7.8	10

FEMALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0520_05	16 ppm	Day : 3	0.7	2	6.9	
0520_05	16 ppm	Day : 23	1	2.2	7.9	9
0701_05	32 ppm	Week : 13	0.8	2.9	8.5	21
0702_05	32 ppm	Week : 13	0.8	2.4	7.5	11
0703_05	32 ppm	Week : 13	0.9	2.6	7.5	11
0704_05	32 ppm	Week : 13	0.7	2.6	7.8	14
0705_05	32 ppm	Week : 13	0.8	2.4	7.6	10
0706_05	32 ppm	Week : 13	0.8	2	7.5	10
0707_05	32 ppm	Week : 13	0.7	2.3	7.2	14
0708_05	32 ppm	Week : 13	0.8	2.3	7.3	19
0709_05	32 ppm	Week : 13	0.8	2.2	7	11
0710_05	32 ppm	Week : 13	0.7	2.1	6.9	18
0711_05	32 ppm	Day : 3	0.7	1.9	6.6	
0711_05	32 ppm	Day : 23	1	2.2	7.8	10
0712_05	32 ppm	Day : 3	0.7	2	6.8	
0712_05	32 ppm	Day : 23	1	2.3	7.9	12
0713_05	32 ppm	Day : 3	0.7	2.2	7.4	
0713_05	32 ppm	Day : 23	0.8	2.3	8.1	10
0714_05	32 ppm	Day : 3	0.8	2.2	7.2	
0714_05	32 ppm	Day : 23	1	2.4	7.9	12
0715_05	32 ppm	Day : 3	0.7	2.3	7.3	
0715_05	32 ppm	Day : 23	1.1	2.2	7.6	12

Experiment Number: 05183-05

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 16:58:07

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0716_05	32 ppm	Day : 3	0.8	2.3	7.3	
0716_05	32 ppm	Day : 23	1.4	2.1	7.5	11
0717_05	32 ppm	Day : 3	0.9	2.5	7.1	
0717_05	32 ppm	Day : 23	1.1	2.1	8	11
0718_05	32 ppm	Day : 3	0.6	1.9	6.6	
0718_05	32 ppm	Day : 23	0.8	2	8.1	14
0719_05	32 ppm	Day : 3	0.7	2.1	7	
0719_05	32 ppm	Day : 23	0.8	1.9	7.4	10
0720_05	32 ppm	Day : 3	0.7	2.2	6.9	
0720_05	32 ppm	Day : 23	1	2.5	7.9	8
0901_05	64 ppm	Week : 13	0.7	2.6	8	17
0902_05	64 ppm	Week : 13	0.8	2.4	7.9	11
0903_05	64 ppm	Week : 13	0.8	2.7	7.6	11
0904_05	64 ppm	Week : 13	0.8	1.9	7	14
0905_05	64 ppm	Week : 13	0.8	2.6	8	25
0906_05	64 ppm	Week : 13	0.7	2.4	7.7	13
0907_05	64 ppm	Week : 13	0.7	2.4	7.3	18
0908_05	64 ppm	Week : 13	1	2.2	6.9	23
0909_05	64 ppm	Week : 13	0.7	2.2	6.8	15
0910_05	64 ppm	Week : 13	0.7	2.3	7.2	15
0911_05	64 ppm	Day : 3	0.6	1.8	6.2	
0911_05	64 ppm	Day : 23	0.8	2.2	8	8

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:07

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
0912_05	64 ppm	Day : 3	0.6	1.9	6.3	
0912_05	64 ppm	Day : 23	0.6	1.9	7.5	13
0913_05	64 ppm	Day : 3	0.7	2	6.9	
0913_05	64 ppm	Day : 23	0.8	2.2	7.8	9
0914_05	64 ppm	Day : 3	0.7	2.3	7.8	
0915_05	64 ppm	Day : 3	0.7	2.1	6.7	
0915_05	64 ppm	Day : 23	1	2.3	7.6	9
0916_05	64 ppm	Day : 3	0.6	2.2	7	
0916_05	64 ppm	Day : 23	0.7	2	7.5	7
0917_05	64 ppm	Day : 3	0.8	2	7	
0917_05	64 ppm	Day : 23	1.1	2.1	7.8	12
0918_05	64 ppm	Day : 3	0.6	2	6.8	
0918_05	64 ppm	Day : 23	0.7	2.2	7.6	15
0919_05	64 ppm	Day : 3	0.6	2	6.7	
0919_05	64 ppm	Day : 23	0.8	2.5	7.9	13
0920_05	64 ppm	Day : 3	0.7	2	6.8	
0920_05	64 ppm	Day : 23	0.8	2	7.2	10
1101_05	128 ppm	Week : 13	0.7	2.2	7	13
1102_05	128 ppm	Week : 13	0.7	2.3	7.4	12
1103_05	128 ppm	Week : 13	0.8	2.3	7.3	14
1104_05	128 ppm	Week : 13	0.8	2.4	8	18
1105_05	128 ppm	Week : 13	0.7	2.4	7.6	12

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:07

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
1106_05	128 ppm	Week : 13	0.7	2.4	8.2	19
1107_05	128 ppm	Week : 13	0.7	2.5	7.4	12
1108_05	128 ppm	Week : 13	0.8	2.1	7.5	16
1109_05	128 ppm	Week : 13	0.7	2.3	7.2	9
1110_05	128 ppm	Week : 13	0.7	2.5	7.6	18
1111_05	128 ppm	Day : 3	0.6	2.3	6.8	
1111_05	128 ppm	Day : 23	0.8	2	8	10
1112_05	128 ppm	Day : 3	0.7	2	6.8	
1112_05	128 ppm	Day : 23	0.8	2.1	7.7	13
1113_05	128 ppm	Day : 3	0.6	1.8	6.3	
1113_05	128 ppm	Day : 23	1	2.2	7.7	6
1114_05	128 ppm	Day : 3	0.5	2	6.6	
1114_05	128 ppm	Day : 23	0.6	1.9	7.5	17
1115_05	128 ppm	Day : 3	0.6	1.8	6.5	
1115_05	128 ppm	Day : 23	0.6	1.7	7.6	14
1116_05	128 ppm	Day : 3	0.7	2.2	7.1	
1116_05	128 ppm	Day : 23	1.1	2.5	8.7	12
1117_05	128 ppm	Day : 3	0.6	1.9	6.6	
1117_05	128 ppm	Day : 23	0.9	2	8	10
1118_05	128 ppm	Day : 3	0.9	1.8	6.5	
1118_05	128 ppm	Day : 23	1.1	2.3	7.7	8
1119_05	128 ppm	Day : 3	0.5	1.7	6.4	

Experiment Number: 05183-05

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:58:07

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	Creatinine U per L	Globulin g per dL	Protein Total g per dL	SDH IU per L
1119_05	128 ppm	Day : 23	0.6	1.7	7.1	12
1120_05	128 ppm	Day : 3	0.6	2.3	6.9	
1120_05	128 ppm	Day : 23	0.8	2.2	7.4	11

** END OF REPORT **