

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:51

First Dose M/F: NA / NA

Lab: NA

C Number: C55301B

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|-------|---------------|------------------|--------------|--------------|------------------------------------|
| 0001_03 | 0 ppm | Day : 5 | 3.3 | 375 | 54 | 55 |
| 0001_03 | 0 ppm | Day : 20 | 3.2 | 296 | 44 | 46 |
| 0001_03 | 0 ppm | Day : 91 | 3.9 | 188 | 50 | 49 |
| 0002_03 | 0 ppm | Day : 5 | 3 | 362 | 38 | 84 |
| 0002_03 | 0 ppm | Day : 20 | 3.4 | 331 | 49 | 61 |
| 0002_03 | 0 ppm | Day : 91 | 3.8 | 185 | 55 | 78 |
| 0003_03 | 0 ppm | Day : 5 | 2.9 | 287 | 51 | 66 |
| 0003_03 | 0 ppm | Day : 20 | 3.5 | 231 | 42 | 64 |
| 0003_03 | 0 ppm | Day : 91 | 3.4 | 144 | 50 | 44 |
| 0004_03 | 0 ppm | Day : 5 | 2.9 | 346 | 63 | 110 |
| 0004_03 | 0 ppm | Day : 20 | 3.3 | 310 | 47 | 37 |
| 0004_03 | 0 ppm | Day : 91 | 3.7 | 191 | 53 | 28 |
| 0005_03 | 0 ppm | Day : 5 | 3 | 285 | 47 | 96 |
| 0005_03 | 0 ppm | Day : 20 | 3.6 | 268 | 54 | 107 |
| 0005_03 | 0 ppm | Day : 91 | 3.7 | 193 | 67 | 148 |
| 0006_03 | 0 ppm | Day : 5 | 2.9 | 407 | 47 | 126 |
| 0006_03 | 0 ppm | Day : 20 | 3.2 | 334 | 44 | 62 |
| 0006_03 | 0 ppm | Day : 91 | 3.6 | 208 | 51 | 62 |
| 0007_03 | 0 ppm | Day : 5 | 2.9 | 298 | 54 | 89 |
| 0007_03 | 0 ppm | Day : 20 | 3.1 | 265 | 49 | 43 |
| 0007_03 | 0 ppm | Day : 91 | 3.9 | 159 | 58 | 57 |
| 0008_03 | 0 ppm | Day : 5 | 3.1 | 333 | 59 | 73 |

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|--------|---------------|------------------|--------------|--------------|------------------------------------|
| 0008_03 | 0 ppm | Day : 20 | 3.5 | 297 | 47 | 101 |
| 0008_03 | 0 ppm | Day : 91 | 3.5 | 149 | 49 | 158 |
| 0009_03 | 0 ppm | Day : 5 | 3.1 | 382 | 57 | 220 |
| 0009_03 | 0 ppm | Day : 20 | 3.3 | 328 | 57 | 98 |
| 0009_03 | 0 ppm | Day : 91 | 3.3 | 193 | 48 | 46 |
| 0010_03 | 0 ppm | Day : 5 | 3.1 | 315 | 48 | 81 |
| 0010_03 | 0 ppm | Day : 20 | 3.1 | 279 | 46 | 83 |
| 0010_03 | 0 ppm | Day : 91 | 3.6 | 179 | 54 | 85 |
| 0011_03 | 50 ppm | Day : 5 | 3.4 | 341 | 56 | 89 |
| 0011_03 | 50 ppm | Day : 20 | 3.4 | 283 | 49 | 81 |
| 0011_03 | 50 ppm | Day : 91 | 3.6 | 182 | 52 | 47 |
| 0012_03 | 50 ppm | Day : 5 | 2.6 | 309 | 51 | 61 |
| 0012_03 | 50 ppm | Day : 20 | 3.4 | 237 | 44 | 81 |
| 0012_03 | 50 ppm | Day : 91 | 3.7 | 225 | 56 | 56 |
| 0013_03 | 50 ppm | Day : 5 | 3.1 | 301 | 53 | 82 |
| 0013_03 | 50 ppm | Day : 20 | 3.4 | 246 | 41 | 81 |
| 0013_03 | 50 ppm | Day : 91 | 3.9 | 135 | 38 | 52 |
| 0014_03 | 50 ppm | Day : 5 | 3.7 | 396 | 57 | 65 |
| 0014_03 | 50 ppm | Day : 20 | 3.5 | 329 | 49 | 52 |
| 0014_03 | 50 ppm | Day : 91 | 4.2 | 200 | 54 | 74 |
| 0015_03 | 50 ppm | Day : 5 | 3 | 270 | 41 | 55 |
| 0015_03 | 50 ppm | Day : 20 | 3.2 | 204 | 35 | 50 |

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|---------|---------------|------------------|--------------|--------------|------------------------------------|
| 0015_03 | 50 ppm | Day : 20 | 3.2 | 204 | 35 | 50 |
| 0015_03 | 50 ppm | Day : 91 | 3.9 | 180 | 53 | 83 |
| 0016_03 | 50 ppm | Day : 5 | 3.3 | 324 | 53 | 42 |
| 0016_03 | 50 ppm | Day : 20 | 3.7 | 281 | 44 | 54 |
| 0016_03 | 50 ppm | Day : 91 | 3.5 | 206 | 42 | 56 |
| 0017_03 | 50 ppm | Day : 5 | 3.3 | 462 | 59 | 59 |
| 0017_03 | 50 ppm | Day : 20 | 3.3 | 437 | 40 | 125 |
| 0017_03 | 50 ppm | Day : 91 | 3.5 | 196 | 38 | 49 |
| 0018_03 | 50 ppm | Day : 5 | 3.4 | 347 | 48 | 102 |
| 0018_03 | 50 ppm | Day : 20 | 3 | 254 | 41 | 55 |
| 0018_03 | 50 ppm | Day : 91 | 3.6 | 200 | 80 | 115 |
| 0019_03 | 50 ppm | Day : 5 | 3.4 | 396 | 57 | 87 |
| 0019_03 | 50 ppm | Day : 20 | 3.3 | 309 | 47 | 116 |
| 0019_03 | 50 ppm | Day : 91 | 3.9 | 175 | 47 | 57 |
| 0020_03 | 50 ppm | Day : 5 | 3 | 282 | 57 | 132 |
| 0020_03 | 50 ppm | Day : 20 | 3.3 | 234 | 42 | 65 |
| 0020_03 | 50 ppm | Day : 91 | 3.7 | 187 | 52 | 78 |
| 0021_03 | 100 ppm | Day : 5 | 3.1 | 381 | 56 | 124 |
| 0021_03 | 100 ppm | Day : 20 | 3.2 | 310 | 48 | 60 |
| 0021_03 | 100 ppm | Day : 91 | 4 | 157 | 37 | 43 |
| 0022_03 | 100 ppm | Day : 5 | 3.1 | 302 | 61 | 102 |
| 0022_03 | 100 ppm | Day : 20 | 3.2 | 242 | 46 | 67 |

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|---------|---------------|------------------|--------------|--------------|------------------------------------|
| 0022_03 | 100 ppm | Day : 91 | 3.9 | 156 | 62 | 82 |
| 0023_03 | 100 ppm | Day : 5 | 3.1 | 385 | 53 | 180 |
| 0023_03 | 100 ppm | Day : 20 | 3.4 | 307 | 54 | 189 |
| 0023_03 | 100 ppm | Day : 91 | 3.8 | 196 | 48 | 47 |
| 0024_03 | 100 ppm | Day : 5 | 3.1 | 312 | 57 | 186 |
| 0024_03 | 100 ppm | Day : 20 | 3.1 | 242 | 44 | 101 |
| 0024_03 | 100 ppm | Day : 91 | 3.8 | 186 | 55 | 57 |
| 0025_03 | 100 ppm | Day : 5 | 2.8 | 303 | 54 | 57 |
| 0025_03 | 100 ppm | Day : 20 | 3.2 | 228 | 44 | 55 |
| 0025_03 | 100 ppm | Day : 91 | 3.7 | 167 | 50 | 86 |
| 0026_03 | 100 ppm | Day : 5 | 3.1 | 452 | 56 | 95 |
| 0026_03 | 100 ppm | Day : 20 | 3.3 | 376 | 41 | 143 |
| 0026_03 | 100 ppm | Day : 91 | 3.3 | 130 | 38 | 67 |
| 0027_03 | 100 ppm | Day : 5 | 3.2 | 252 | 48 | 121 |
| 0027_03 | 100 ppm | Day : 20 | 3.1 | 236 | 52 | 77 |
| 0027_03 | 100 ppm | Day : 91 | 3.9 | 171 | 50 | 109 |
| 0028_03 | 100 ppm | Day : 5 | 3.1 | 263 | 48 | 82 |
| 0028_03 | 100 ppm | Day : 20 | 3.1 | 263 | 49 | 101 |
| 0028_03 | 100 ppm | Day : 91 | 3.9 | 141 | 45 | 63 |
| 0029_03 | 100 ppm | Day : 5 | 3.2 | 286 | 38 | 120 |
| 0029_03 | 100 ppm | Day : 20 | 3.5 | 198 | 38 | 44 |
| 0029_03 | 100 ppm | Day : 91 | 3.7 | 140 | 54 | 64 |

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|---------|---------------|------------------|--------------|--------------|------------------------------------|
| 0029_03 | 100 ppm | Day : 91 | 3.7 | 140 | 54 | 64 |
| 0030_03 | 100 ppm | Day : 5 | 3.2 | 335 | 51 | 118 |
| 0030_03 | 100 ppm | Day : 20 | 3.4 | 281 | 33 | 143 |
| 0030_03 | 100 ppm | Day : 91 | 4 | 158 | 65 | 56 |
| 0031_03 | 250 ppm | Day : 5 | 3.1 | 335 | 54 | 57 |
| 0031_03 | 250 ppm | Day : 20 | 3.4 | 265 | 47 | 63 |
| 0031_03 | 250 ppm | Day : 91 | 3.5 | 160 | 67 | 123 |
| 0032_03 | 250 ppm | Day : 5 | 2.9 | 488 | 65 | 193 |
| 0032_03 | 250 ppm | Day : 20 | 3.3 | 333 | 57 | 94 |
| 0032_03 | 250 ppm | Day : 91 | 4.4 | 177 | 39 | 57 |
| 0033_03 | 250 ppm | Day : 5 | 3.1 | 273 | 75 | 187 |
| 0033_03 | 250 ppm | Day : 20 | 3.4 | 244 | 55 | 122 |
| 0033_03 | 250 ppm | Day : 91 | 3.6 | 182 | 50 | 67 |
| 0034_03 | 250 ppm | Day : 5 | 2.9 | 328 | 45 | 110 |
| 0034_03 | 250 ppm | Day : 20 | 3.4 | 234 | 37 | 111 |
| 0034_03 | 250 ppm | Day : 91 | 3.8 | 162 | 42 | 51 |
| 0035_03 | 250 ppm | Day : 5 | 3.1 | 346 | 67 | 165 |
| 0035_03 | 250 ppm | Day : 20 | 3.7 | 206 | 43 | 94 |
| 0035_03 | 250 ppm | Day : 91 | 4 | 166 | 49 | 50 |
| 0036_03 | 250 ppm | Day : 5 | 3.3 | 263 | 46 | 66 |
| 0036_03 | 250 ppm | Day : 20 | 3.4 | 232 | 38 | 38 |
| 0036_03 | 250 ppm | Day : 91 | 4.1 | 164 | 58 | 54 |

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|---------|---------------|------------------|--------------|--------------|------------------------------------|
| 0037_03 | 250 ppm | Day : 5 | 3.2 | 263 | 44 | 149 |
| 0037_03 | 250 ppm | Day : 20 | 3.5 | 159 | 38 | 112 |
| 0037_03 | 250 ppm | Day : 91 | 4 | 129 | 38 | 39 |
| 0038_03 | 250 ppm | Day : 5 | 3.5 | 170 | 53 | 103 |
| 0038_03 | 250 ppm | Day : 20 | 3.4 | 159 | 40 | 330 |
| 0038_03 | 250 ppm | Day : 91 | 4.1 | 137 | 47 | 63 |
| 0039_03 | 250 ppm | Day : 5 | 3.1 | 311 | 48 | 116 |
| 0039_03 | 250 ppm | Day : 20 | 3.6 | 249 | 51 | 450 |
| 0039_03 | 250 ppm | Day : 91 | 4 | 168 | 36 | 43 |
| 0040_03 | 250 ppm | Day : 5 | 3.4 | 254 | 37 | 45 |
| 0040_03 | 250 ppm | Day : 20 | 3.4 | 210 | 39 | 177 |
| 0040_03 | 250 ppm | Day : 91 | 3.9 | 126 | 45 | 94 |
| 0041_03 | 500 ppm | Day : 5 | 3.6 | 289 | 360 | 480 |
| 0041_03 | 500 ppm | Day : 20 | 3.6 | 229 | 45 | 89 |
| 0041_03 | 500 ppm | Day : 91 | 3.8 | 130 | 54 | 56 |
| 0042_03 | 500 ppm | Day : 5 | 2.8 | 234 | 69 | 136 |
| 0042_03 | 500 ppm | Day : 20 | 3.7 | 267 | 43 | 64 |
| 0043_03 | 500 ppm | Day : 5 | 3.1 | 385 | 193 | 151 |
| 0043_03 | 500 ppm | Day : 20 | 3.6 | 378 | 48 | 125 |
| 0043_03 | 500 ppm | Day : 91 | 4 | 172 | 255 | 128 |
| 0044_03 | 500 ppm | Day : 5 | 3.3 | 345 | 65 | 96 |
| 0044_03 | 500 ppm | Day : 20 | 3.2 | 259 | 37 | 70 |

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|----------|---------------|------------------|--------------|--------------|------------------------------------|
| 0044_03 | 500 ppm | Day : 20 | 3.2 | 259 | 37 | 70 |
| 0044_03 | 500 ppm | Day : 91 | 3.5 | 150 | 187 | 178 |
| 0045_03 | 500 ppm | Day : 5 | 3 | 228 | 64 | 119 |
| 0045_03 | 500 ppm | Day : 20 | 3.2 | 231 | 48 | 260 |
| 0045_03 | 500 ppm | Day : 91 | 3.1 | 276 | 500 | 270 |
| 0046_03 | 500 ppm | Day : 5 | 3.3 | 404 | 68 | 260 |
| 0046_03 | 500 ppm | Day : 20 | 3.4 | 328 | 44 | 89 |
| 0046_03 | 500 ppm | Day : 91 | 4.2 | 133 | 47 | 59 |
| 0047_03 | 500 ppm | Day : 5 | 3.1 | 461 | 78 | 208 |
| 0047_03 | 500 ppm | Day : 20 | 3 | 296 | 46 | 230 |
| 0047_03 | 500 ppm | Day : 91 | 3.9 | 119 | 40 | 54 |
| 0048_03 | 500 ppm | Day : 5 | 3.2 | 488 | 140 | 440 |
| 0048_03 | 500 ppm | Day : 20 | 3.3 | 244 | 54 | 83 |
| 0048_03 | 500 ppm | Day : 91 | 3.9 | 173 | 49 | 43 |
| 0049_03 | 500 ppm | Day : 5 | 3.2 | 285 | 84 | 340 |
| 0049_03 | 500 ppm | Day : 20 | 3.6 | 181 | 46 | 56 |
| 0049_03 | 500 ppm | Day : 91 | 4 | 227 | 139 | 133 |
| 0050_03 | 500 ppm | Day : 5 | 3.1 | 272 | 50 | 120 |
| 0050_03 | 500 ppm | Day : 20 | 3.4 | 210 | 37 | 49 |
| 0050_03 | 500 ppm | Day : 91 | 4 | 128 | 39 | 139 |
| 0051_03 | 1000 ppm | Day : 5 | 3.4 | 367 | 800 | 320 |
| 0051_03 | 1000 ppm | Day : 20 | 3.5 | 237 | 76 | 200 |

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|----------|---------------|------------------|--------------|--------------|------------------------------------|
| 0051_03 | 1000 ppm | Day : 91 | 3.6 | 166 | 43 | 144 |
| 0052_03 | 1000 ppm | Day : 5 | 3.2 | 293 | 35 | 91 |
| 0052_03 | 1000 ppm | Day : 20 | 3.6 | 212 | 33 | 64 |
| 0052_03 | 1000 ppm | Day : 91 | 3.6 | 129 | 51 | 52 |
| 0053_03 | 1000 ppm | Day : 5 | 3.1 | 447 | 51 | 88 |
| 0053_03 | 1000 ppm | Day : 20 | 3.6 | 441 | 70 | 230 |
| 0053_03 | 1000 ppm | Day : 91 | 3.7 | 142 | 141 | 90 |
| 0054_03 | 1000 ppm | Day : 5 | 3.5 | 357 | 110 | 320 |
| 0054_03 | 1000 ppm | Day : 20 | 3.6 | 225 | 530 | 450 |
| 0054_03 | 1000 ppm | Day : 91 | 3.5 | 134 | 30 | 67 |
| 0055_03 | 1000 ppm | Day : 5 | 3.5 | 424 | 46 | 118 |
| 0055_03 | 1000 ppm | Day : 20 | 3.1 | 235 | 38 | 53 |
| 0055_03 | 1000 ppm | Day : 91 | 3.9 | 120 | 70 | 52 |
| 0056_03 | 1000 ppm | Day : 5 | 3.4 | 478 | 53 | 123 |
| 0056_03 | 1000 ppm | Day : 20 | 3.1 | 454 | 287 | 180 |
| 0056_03 | 1000 ppm | Day : 91 | 3.9 | 213 | 51 | 162 |
| 0057_03 | 1000 ppm | Day : 5 | 3 | 215 | 59 | 220 |
| 0057_03 | 1000 ppm | Day : 20 | 3.4 | 272 | 54 | 94 |
| 0057_03 | 1000 ppm | Day : 91 | 4.1 | 116 | 43 | 95 |
| 0058_03 | 1000 ppm | Day : 5 | 3.2 | 304 | 64 | 260 |
| 0058_03 | 1000 ppm | Day : 20 | 3.5 | 214 | 1690 | 209 |
| 0058_03 | 1000 ppm | Day : 91 | 3.5 | 165 | 97 | 145 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:51

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|----------|---------------|------------------|--------------|--------------|------------------------------------|
| 0058_03 | 1000 ppm | Day : 91 | 3.5 | 165 | 97 | 145 |
| 0059_03 | 1000 ppm | Day : 5 | 3.2 | 526 | 56 | 171 |
| 0059_03 | 1000 ppm | Day : 20 | 3.1 | 354 | 49 | 54 |
| 0059_03 | 1000 ppm | Day : 91 | 3.7 | 166 | 39 | 96 |
| 0060_03 | 1000 ppm | Day : 5 | 3.1 | 373 | 63 | 202 |
| 0060_03 | 1000 ppm | Day : 20 | 3.5 | 239 | 159 | 190 |
| 0060_03 | 1000 ppm | Day : 91 | 4.1 | 83 | 50 | 260 |

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P42: Clinical Chemistry Data

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Species/Strain: Rat/Wistar

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|-------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0001_03 | 0 ppm | Day : 5 | 21 | 364 | 0.5 | 6.2 |
| 0001_03 | 0 ppm | Day : 20 | 26 | 304 | 0.5 | 6.3 |
| 0001_03 | 0 ppm | Day : 91 | 30 | 773 | 0.8 | 6.6 |
| 0002_03 | 0 ppm | Day : 5 | 21 | 252 | 0.5 | 5.8 |
| 0002_03 | 0 ppm | Day : 20 | 23 | 185 | 0.6 | 6.6 |
| 0002_03 | 0 ppm | Day : 91 | 29 | 199 | 0.6 | 6.8 |
| 0003_03 | 0 ppm | Day : 5 | 19 | 236 | 0.5 | 6 |
| 0003_03 | 0 ppm | Day : 20 | 22 | 275 | 0.6 | 6.7 |
| 0003_03 | 0 ppm | Day : 91 | 26 | 158 | 0.4 | 6.2 |
| 0004_03 | 0 ppm | Day : 5 | 17 | 208 | 0.5 | 5.6 |
| 0004_03 | 0 ppm | Day : 20 | 27 | 148 | 0.6 | 6.4 |
| 0004_03 | 0 ppm | Day : 91 | 32 | 227 | 0.8 | 6.4 |
| 0005_03 | 0 ppm | Day : 5 | 20 | 208 | 0.4 | 5.6 |
| 0005_03 | 0 ppm | Day : 20 | 23 | 181 | 0.5 | 6.6 |
| 0005_03 | 0 ppm | Day : 91 | 28 | 299 | 0.6 | 6.9 |
| 0006_03 | 0 ppm | Day : 5 | 20 | 284 | 0.6 | 5.7 |
| 0006_03 | 0 ppm | Day : 20 | 19 | 543 | 0.5 | 6.3 |
| 0006_03 | 0 ppm | Day : 91 | 29 | 191 | 0.5 | 6.2 |
| 0007_03 | 0 ppm | Day : 5 | 18 | 139 | 0.4 | 6 |
| 0007_03 | 0 ppm | Day : 20 | 22 | 130 | 0.5 | 6.2 |
| 0007_03 | 0 ppm | Day : 91 | 25 | 89 | 0.5 | 6.8 |
| 0008_03 | 0 ppm | Day : 5 | 17 | 243 | 0.4 | 5.6 |

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|--------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0008_03 | 0 ppm | Day : 20 | 21 | 110 | 0.5 | 6.5 |
| 0008_03 | 0 ppm | Day : 91 | 31 | 483 | 0.7 | 6.5 |
| 0009_03 | 0 ppm | Day : 5 | 25 | 343 | 0.7 | 6.3 |
| 0009_03 | 0 ppm | Day : 20 | 28 | 259 | 0.6 | 6.7 |
| 0009_03 | 0 ppm | Day : 91 | 25 | 182 | 0.6 | 6.9 |
| 0010_03 | 0 ppm | Day : 5 | 21 | 147 | 0.5 | 5.7 |
| 0010_03 | 0 ppm | Day : 20 | 22 | 93 | 0.5 | 6.2 |
| 0010_03 | 0 ppm | Day : 91 | 26 | 141 | 0.7 | 7.1 |
| 0011_03 | 50 ppm | Day : 5 | 20 | 142 | 0.5 | 6.1 |
| 0011_03 | 50 ppm | Day : 20 | 26 | 198 | 0.6 | 7.2 |
| 0011_03 | 50 ppm | Day : 91 | 27 | 677 | 0.7 | 6.6 |
| 0012_03 | 50 ppm | Day : 5 | 18 | 221 | 0.4 | 5.2 |
| 0012_03 | 50 ppm | Day : 20 | 24 | 200 | 0.5 | 6.2 |
| 0012_03 | 50 ppm | Day : 91 | 27 | 205 | 0.7 | 6.8 |
| 0013_03 | 50 ppm | Day : 5 | 22 | 188 | 0.5 | 5.9 |
| 0013_03 | 50 ppm | Day : 20 | 26 | 130 | 0.5 | 6.6 |
| 0013_03 | 50 ppm | Day : 91 | 30 | 152 | 0.7 | 6.3 |
| 0014_03 | 50 ppm | Day : 5 | 19 | 165 | 0.6 | 5.9 |
| 0014_03 | 50 ppm | Day : 20 | 25 | 539 | 0.5 | 6.9 |
| 0014_03 | 50 ppm | Day : 91 | 26 | 1163 | 0.7 | 6.8 |
| 0015_03 | 50 ppm | Day : 5 | 16 | 167 | 0.5 | 5.3 |
| 0015_03 | 50 ppm | Day : 20 | 23 | 377 | 0.5 | 6.2 |

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First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|---------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0015_03 | 50 ppm | Day : 91 | 24 | 1260 | 0.7 | 6.7 |
| 0016_03 | 50 ppm | Day : 5 | 18 | 204 | 0.6 | 6 |
| 0016_03 | 50 ppm | Day : 20 | 24 | 148 | 0.5 | 6.9 |
| 0016_03 | 50 ppm | Day : 91 | 26 | 304 | 0.7 | 6.5 |
| 0017_03 | 50 ppm | Day : 5 | 18 | 169 | 0.5 | 6 |
| 0017_03 | 50 ppm | Day : 20 | 27 | 222 | 0.5 | 7 |
| 0017_03 | 50 ppm | Day : 91 | 34 | 122 | 0.8 | 7 |
| 0018_03 | 50 ppm | Day : 5 | 21 | 224 | 0.6 | 5.8 |
| 0018_03 | 50 ppm | Day : 20 | 21 | 299 | 0.5 | 6.3 |
| 0018_03 | 50 ppm | Day : 91 | 29 | 283 | 0.6 | 6.4 |
| 0019_03 | 50 ppm | Day : 5 | 21 | 390 | 0.5 | 6 |
| 0019_03 | 50 ppm | Day : 20 | 25 | 839 | 0.6 | 6.5 |
| 0019_03 | 50 ppm | Day : 91 | 24 | 111 | 0.6 | 7.2 |
| 0020_03 | 50 ppm | Day : 5 | 21 | 244 | 0.5 | 5.9 |
| 0020_03 | 50 ppm | Day : 20 | 24 | 269 | 0.6 | 6.9 |
| 0020_03 | 50 ppm | Day : 91 | 28 | 258 | 0.6 | 6.6 |
| 0021_03 | 100 ppm | Day : 5 | 16 | 313 | 0.4 | 5.9 |
| 0021_03 | 100 ppm | Day : 20 | 20 | 211 | 0.5 | 6 |
| 0021_03 | 100 ppm | Day : 91 | 29 | 267 | 0.7 | 6.7 |
| 0022_03 | 100 ppm | Day : 5 | 24 | 188 | 0.5 | 5.9 |
| 0022_03 | 100 ppm | Day : 20 | 26 | 174 | 0.4 | 6.3 |
| 0022_03 | 100 ppm | Day : 91 | 27 | 94 | 0.7 | 6.1 |

Experiment Number: 55301-03

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Species/Strain: Rat/Wistar

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|---------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0023_03 | 100 ppm | Day : 5 | 19 | 229 | 0.5 | 5.7 |
| 0023_03 | 100 ppm | Day : 20 | 23 | 638 | 0.6 | 6.5 |
| 0023_03 | 100 ppm | Day : 91 | 26 | 584 | 0.8 | 6.9 |
| 0024_03 | 100 ppm | Day : 5 | 21 | 309 | 0.4 | 5.6 |
| 0024_03 | 100 ppm | Day : 20 | 25 | 201 | 0.5 | 6 |
| 0024_03 | 100 ppm | Day : 91 | 27 | 333 | 0.7 | 7.4 |
| 0025_03 | 100 ppm | Day : 5 | 13 | 204 | 0.4 | 5.4 |
| 0025_03 | 100 ppm | Day : 20 | 22 | 525 | 0.6 | 6.1 |
| 0025_03 | 100 ppm | Day : 91 | 29 | 223 | 0.8 | 6.4 |
| 0026_03 | 100 ppm | Day : 5 | 17 | 209 | 0.6 | 6.1 |
| 0026_03 | 100 ppm | Day : 20 | 22 | 176 | 0.6 | 6.5 |
| 0026_03 | 100 ppm | Day : 91 | 33 | 191 | 0.7 | 6.4 |
| 0027_03 | 100 ppm | Day : 5 | 16 | 234 | 0.4 | 5.6 |
| 0027_03 | 100 ppm | Day : 20 | 22 | 146 | 0.6 | 6.5 |
| 0027_03 | 100 ppm | Day : 91 | 25 | 409 | 0.6 | 6.9 |
| 0028_03 | 100 ppm | Day : 5 | 18 | 293 | 0.4 | 5.7 |
| 0028_03 | 100 ppm | Day : 20 | 24 | 889 | 0.6 | 6.7 |
| 0028_03 | 100 ppm | Day : 91 | 26 | 146 | 0.6 | 6.8 |
| 0029_03 | 100 ppm | Day : 5 | 22 | 528 | 0.5 | 6 |
| 0029_03 | 100 ppm | Day : 20 | 23 | 190 | 0.5 | 7.2 |
| 0029_03 | 100 ppm | Day : 91 | 27 | 275 | 0.6 | 6.5 |
| 0030_03 | 100 ppm | Day : 5 | 18 | 290 | 0.5 | 5.8 |

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Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|---------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0030_03 | 100 ppm | Day : 20 | 20 | 298 | 0.5 | 6.3 |
| 0030_03 | 100 ppm | Day : 91 | 21 | 373 | 0.6 | 7.1 |
| 0031_03 | 250 ppm | Day : 5 | 15 | 343 | 0.4 | 5.7 |
| 0031_03 | 250 ppm | Day : 20 | 23 | 593 | 0.6 | 6.6 |
| 0031_03 | 250 ppm | Day : 91 | 30 | 270 | 0.9 | 6.5 |
| 0032_03 | 250 ppm | Day : 5 | 25 | 308 | 0.5 | 5.6 |
| 0032_03 | 250 ppm | Day : 20 | 22 | 486 | 0.6 | 6.1 |
| 0032_03 | 250 ppm | Day : 91 | 26 | 146 | 0.8 | 7.5 |
| 0033_03 | 250 ppm | Day : 5 | 19 | 288 | 0.5 | 5.9 |
| 0033_03 | 250 ppm | Day : 20 | 30 | 211 | 0.6 | 7 |
| 0033_03 | 250 ppm | Day : 91 | 31 | 163 | 0.6 | 6.6 |
| 0034_03 | 250 ppm | Day : 5 | 17 | 177 | 0.5 | 5.6 |
| 0034_03 | 250 ppm | Day : 20 | 22 | 163 | 0.6 | 6.7 |
| 0034_03 | 250 ppm | Day : 91 | 18 | 328 | 0.8 | 6.9 |
| 0035_03 | 250 ppm | Day : 5 | 19 | 310 | 0.5 | 6 |
| 0035_03 | 250 ppm | Day : 20 | 25 | 103 | 0.5 | 7.3 |
| 0035_03 | 250 ppm | Day : 91 | 24 | 269 | 0.7 | 6.8 |
| 0036_03 | 250 ppm | Day : 5 | 17 | 205 | 0.5 | 5.9 |
| 0036_03 | 250 ppm | Day : 20 | 29 | 117 | 0.6 | 7 |
| 0036_03 | 250 ppm | Day : 91 | 25 | 744 | 0.7 | 7 |
| 0037_03 | 250 ppm | Day : 5 | 16 | 237 | 0.4 | 5.7 |
| 0037_03 | 250 ppm | Day : 20 | 22 | 410 | 0.6 | 7 |

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|---------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0037_03 | 250 ppm | Day : 91 | 22 | 87 | 0.7 | 7.5 |
| 0038_03 | 250 ppm | Day : 5 | 23 | 178 | 0.6 | 6.3 |
| 0038_03 | 250 ppm | Day : 20 | 28 | 200 | 0.1 | 6.7 |
| 0038_03 | 250 ppm | Day : 91 | 31 | 175 | 0.6 | 7.4 |
| 0039_03 | 250 ppm | Day : 5 | 19 | 318 | 0.4 | 6.3 |
| 0039_03 | 250 ppm | Day : 20 | 27 | 479 | 0.6 | 7 |
| 0039_03 | 250 ppm | Day : 91 | 24 | 326 | 0.7 | 6.9 |
| 0040_03 | 250 ppm | Day : 5 | 19 | 188 | 0.5 | 5.6 |
| 0040_03 | 250 ppm | Day : 20 | 28 | 215 | 0.5 | 6.3 |
| 0040_03 | 250 ppm | Day : 91 | 37 | 208 | 0.7 | 6.8 |
| 0041_03 | 500 ppm | Day : 5 | 26 | 406 | 0.6 | 6.1 |
| 0041_03 | 500 ppm | Day : 20 | 27 | 101 | 0.5 | 6.6 |
| 0041_03 | 500 ppm | Day : 91 | 27 | 176 | 0.5 | 6.9 |
| 0042_03 | 500 ppm | Day : 5 | 25 | 213 | 0.6 | 5.4 |
| 0042_03 | 500 ppm | Day : 20 | 30 | 202 | 0.5 | 6.9 |
| 0043_03 | 500 ppm | Day : 5 | 14 | 530 | 0.3 | 5.8 |
| 0043_03 | 500 ppm | Day : 20 | 24 | 334 | 0.6 | 6.8 |
| 0043_03 | 500 ppm | Day : 91 | 28 | 151 | 0.7 | 6.8 |
| 0044_03 | 500 ppm | Day : 5 | 25 | 219 | 0.6 | 6 |
| 0044_03 | 500 ppm | Day : 20 | 23 | 161 | 0.5 | 6.6 |
| 0044_03 | 500 ppm | Day : 91 | 42 | 220 | 0.7 | 6.7 |
| 0045_03 | 500 ppm | Day : 5 | 26 | 307 | 0.6 | 5.6 |

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|----------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0045_03 | 500 ppm | Day : 20 | 27 | 374 | 0.6 | 6.7 |
| 0045_03 | 500 ppm | Day : 91 | 36 | 554 | 1 | 6.6 |
| 0046_03 | 500 ppm | Day : 5 | 22 | 300 | 0.5 | 5.9 |
| 0046_03 | 500 ppm | Day : 20 | 27 | 421 | 0.6 | 6.5 |
| 0046_03 | 500 ppm | Day : 91 | 29 | 344 | 0.7 | 7.1 |
| 0047_03 | 500 ppm | Day : 5 | 22 | 215 | 0.5 | 5.4 |
| 0047_03 | 500 ppm | Day : 20 | 25 | 110 | 0.5 | 6.4 |
| 0047_03 | 500 ppm | Day : 91 | 31 | 107 | 0.8 | 7.4 |
| 0048_03 | 500 ppm | Day : 5 | 25 | 208 | 0.5 | 6 |
| 0048_03 | 500 ppm | Day : 20 | 26 | 507 | 0.6 | 6.5 |
| 0048_03 | 500 ppm | Day : 91 | 32 | 683 | 0.8 | 6.9 |
| 0049_03 | 500 ppm | Day : 5 | 24 | 252 | 0.5 | 6.2 |
| 0049_03 | 500 ppm | Day : 20 | 25 | 1033 | 0.7 | 7.1 |
| 0049_03 | 500 ppm | Day : 91 | 32 | 402 | 0.8 | 6.8 |
| 0050_03 | 500 ppm | Day : 5 | 22 | 405 | 0.6 | 5.9 |
| 0050_03 | 500 ppm | Day : 20 | 24 | 82 | 0.6 | 6.9 |
| 0050_03 | 500 ppm | Day : 91 | 24 | 346 | 0.7 | 6.7 |
| 0051_03 | 1000 ppm | Day : 5 | 28 | 676 | 0.6 | 6.6 |
| 0051_03 | 1000 ppm | Day : 20 | 31 | 197 | 0.6 | 7 |
| 0051_03 | 1000 ppm | Day : 91 | 26 | 358 | 0.6 | 6.4 |
| 0052_03 | 1000 ppm | Day : 5 | 28 | 233 | 0.5 | 6.5 |
| 0052_03 | 1000 ppm | Day : 20 | 28 | 193 | 0.6 | 7.3 |

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|----------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0052_03 | 1000 ppm | Day : 91 | 25 | 194 | 0.6 | 6.4 |
| 0053_03 | 1000 ppm | Day : 5 | 30 | 268 | 0.5 | 6.2 |
| 0053_03 | 1000 ppm | Day : 20 | 32 | 175 | 0.4 | 6.5 |
| 0053_03 | 1000 ppm | Day : 91 | 44 | 241 | 0.8 | 6.2 |
| 0054_03 | 1000 ppm | Day : 5 | 24 | 277 | 0.5 | 6.4 |
| 0054_03 | 1000 ppm | Day : 20 | 26 | 612 | 0.7 | 7.1 |
| 0054_03 | 1000 ppm | Day : 91 | 23 | 269 | 0.5 | 6.7 |
| 0055_03 | 1000 ppm | Day : 5 | 24 | 164 | 0.5 | 5.9 |
| 0055_03 | 1000 ppm | Day : 20 | 22 | 126 | 0.4 | 6.4 |
| 0055_03 | 1000 ppm | Day : 91 | 33 | 229 | 0.7 | 6.8 |
| 0056_03 | 1000 ppm | Day : 5 | 23 | 260 | 0.5 | 6.3 |
| 0056_03 | 1000 ppm | Day : 20 | 25 | 249 | 0.6 | 6.2 |
| 0056_03 | 1000 ppm | Day : 91 | 26 | 508 | 0.7 | 6.8 |
| 0057_03 | 1000 ppm | Day : 5 | 26 | 217 | 0.5 | 5.8 |
| 0057_03 | 1000 ppm | Day : 20 | 28 | 411 | 0.5 | 6.4 |
| 0057_03 | 1000 ppm | Day : 91 | 25 | 111 | 0.6 | 6.8 |
| 0058_03 | 1000 ppm | Day : 5 | 16 | 226 | 0.5 | 5.6 |
| 0058_03 | 1000 ppm | Day : 20 | 26 | 1146 | 0.7 | 6.7 |
| 0058_03 | 1000 ppm | Day : 91 | 23 | 183 | 0.7 | 6.9 |
| 0059_03 | 1000 ppm | Day : 5 | 29 | 451 | 0.6 | 6.2 |
| 0059_03 | 1000 ppm | Day : 20 | 34 | 348 | 0.7 | 6.8 |
| 0059_03 | 1000 ppm | Day : 91 | 36 | 286 | 0.7 | 6.3 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|----------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0060_03 | 1000 ppm | Day : 5 | 24 | 134 | 0.5 | 5.1 |
| 0060_03 | 1000 ppm | Day : 20 | 28 | 160 | 0.5 | 6.3 |
| 0060_03 | 1000 ppm | Day : 91 | 36 | 707 | 0.8 | 6.7 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|-------|---------------|--------------|
| 0001_03 | 0 ppm | Day : 5 | 8 |
| 0001_03 | 0 ppm | Day : 20 | 8 |
| 0001_03 | 0 ppm | Day : 91 | 7 |
| 0002_03 | 0 ppm | Day : 5 | 6 |
| 0002_03 | 0 ppm | Day : 20 | 5 |
| 0002_03 | 0 ppm | Day : 91 | 7 |
| 0003_03 | 0 ppm | Day : 5 | 6 |
| 0003_03 | 0 ppm | Day : 20 | 5 |
| 0003_03 | 0 ppm | Day : 91 | 8 |
| 0004_03 | 0 ppm | Day : 5 | 6 |
| 0004_03 | 0 ppm | Day : 20 | 8 |
| 0004_03 | 0 ppm | Day : 91 | 6 |
| 0005_03 | 0 ppm | Day : 5 | 8 |
| 0005_03 | 0 ppm | Day : 20 | 8 |
| 0005_03 | 0 ppm | Day : 91 | 7 |
| 0006_03 | 0 ppm | Day : 5 | 5 |
| 0006_03 | 0 ppm | Day : 20 | 5 |
| 0006_03 | 0 ppm | Day : 91 | 6 |
| 0007_03 | 0 ppm | Day : 5 | 7 |
| 0007_03 | 0 ppm | Day : 20 | 7 |
| 0007_03 | 0 ppm | Day : 91 | 8 |
| 0008_03 | 0 ppm | Day : 5 | 6 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|--------|---------------|--------------|
| 0008_03 | 0 ppm | Day : 20 | 9 |
| 0008_03 | 0 ppm | Day : 91 | 6 |
| 0009_03 | 0 ppm | Day : 5 | 16 |
| 0009_03 | 0 ppm | Day : 20 | 6 |
| 0009_03 | 0 ppm | Day : 91 | 8 |
| 0010_03 | 0 ppm | Day : 5 | 7 |
| 0010_03 | 0 ppm | Day : 20 | 8 |
| 0010_03 | 0 ppm | Day : 91 | 9 |
| 0011_03 | 50 ppm | Day : 5 | 8 |
| 0011_03 | 50 ppm | Day : 20 | 12 |
| 0011_03 | 50 ppm | Day : 91 | 7 |
| 0012_03 | 50 ppm | Day : 5 | 8 |
| 0012_03 | 50 ppm | Day : 20 | 7 |
| 0012_03 | 50 ppm | Day : 91 | 10 |
| 0013_03 | 50 ppm | Day : 5 | 7 |
| 0013_03 | 50 ppm | Day : 20 | 8 |
| 0013_03 | 50 ppm | Day : 91 | 8 |
| 0014_03 | 50 ppm | Day : 5 | 12 |
| 0014_03 | 50 ppm | Day : 20 | 9 |
| 0014_03 | 50 ppm | Day : 91 | 6 |
| 0015_03 | 50 ppm | Day : 5 | 7 |
| 0015_03 | 50 ppm | Day : 20 | 5 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|---------|---------------|--------------|
| 0015_03 | 50 ppm | Day : 91 | 7 |
| 0016_03 | 50 ppm | Day : 5 | 10 |
| 0016_03 | 50 ppm | Day : 20 | 8 |
| 0016_03 | 50 ppm | Day : 91 | 7 |
| 0017_03 | 50 ppm | Day : 5 | 10 |
| 0017_03 | 50 ppm | Day : 20 | 5 |
| 0017_03 | 50 ppm | Day : 91 | 11 |
| 0018_03 | 50 ppm | Day : 5 | 5 |
| 0018_03 | 50 ppm | Day : 20 | 5 |
| 0018_03 | 50 ppm | Day : 91 | 9 |
| 0019_03 | 50 ppm | Day : 5 | 6 |
| 0019_03 | 50 ppm | Day : 20 | 6 |
| 0019_03 | 50 ppm | Day : 91 | 9 |
| 0020_03 | 50 ppm | Day : 5 | 8 |
| 0020_03 | 50 ppm | Day : 20 | 5 |
| 0020_03 | 50 ppm | Day : 91 | 10 |
| 0021_03 | 100 ppm | Day : 5 | 8 |
| 0021_03 | 100 ppm | Day : 20 | 6 |
| 0021_03 | 100 ppm | Day : 91 | 7 |
| 0022_03 | 100 ppm | Day : 5 | 11 |
| 0022_03 | 100 ppm | Day : 20 | 10 |
| 0022_03 | 100 ppm | Day : 91 | 9 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|---------|---------------|--------------|
| 0023_03 | 100 ppm | Day : 5 | 7 |
| 0023_03 | 100 ppm | Day : 20 | 9 |
| 0023_03 | 100 ppm | Day : 91 | 6 |
| 0024_03 | 100 ppm | Day : 5 | 9 |
| 0024_03 | 100 ppm | Day : 20 | 9 |
| 0024_03 | 100 ppm | Day : 91 | 5 |
| 0025_03 | 100 ppm | Day : 5 | 7 |
| 0025_03 | 100 ppm | Day : 20 | 5 |
| 0025_03 | 100 ppm | Day : 91 | 6 |
| 0026_03 | 100 ppm | Day : 5 | 6 |
| 0026_03 | 100 ppm | Day : 20 | 5 |
| 0026_03 | 100 ppm | Day : 91 | 6 |
| 0027_03 | 100 ppm | Day : 5 | 7 |
| 0027_03 | 100 ppm | Day : 20 | 7 |
| 0027_03 | 100 ppm | Day : 91 | 9 |
| 0028_03 | 100 ppm | Day : 5 | 6 |
| 0028_03 | 100 ppm | Day : 20 | 5 |
| 0028_03 | 100 ppm | Day : 91 | 8 |
| 0029_03 | 100 ppm | Day : 5 | 5 |
| 0029_03 | 100 ppm | Day : 20 | 6 |
| 0029_03 | 100 ppm | Day : 91 | 7 |
| 0030_03 | 100 ppm | Day : 5 | 6 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|---------|---------------|--------------|
| 0030_03 | 100 ppm | Day : 20 | 7 |
| 0030_03 | 100 ppm | Day : 91 | 10 |
| 0031_03 | 250 ppm | Day : 5 | 6 |
| 0031_03 | 250 ppm | Day : 20 | 6 |
| 0031_03 | 250 ppm | Day : 91 | 6 |
| 0032_03 | 250 ppm | Day : 5 | 5 |
| 0032_03 | 250 ppm | Day : 20 | 7 |
| 0032_03 | 250 ppm | Day : 91 | 8 |
| 0033_03 | 250 ppm | Day : 5 | 8 |
| 0033_03 | 250 ppm | Day : 20 | 9 |
| 0033_03 | 250 ppm | Day : 91 | 9 |
| 0034_03 | 250 ppm | Day : 5 | 8 |
| 0034_03 | 250 ppm | Day : 20 | 8 |
| 0034_03 | 250 ppm | Day : 91 | 7 |
| 0035_03 | 250 ppm | Day : 5 | 7 |
| 0035_03 | 250 ppm | Day : 20 | 10 |
| 0035_03 | 250 ppm | Day : 91 | 8 |
| 0036_03 | 250 ppm | Day : 5 | 7 |
| 0036_03 | 250 ppm | Day : 20 | 7 |
| 0036_03 | 250 ppm | Day : 91 | 7 |
| 0037_03 | 250 ppm | Day : 5 | 6 |
| 0037_03 | 250 ppm | Day : 20 | 5 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|---------|---------------|--------------|
| 0037_03 | 250 ppm | Day : 91 | 15 |
| 0038_03 | 250 ppm | Day : 5 | 7 |
| 0038_03 | 250 ppm | Day : 20 | 9 |
| 0038_03 | 250 ppm | Day : 91 | 15 |
| 0039_03 | 250 ppm | Day : 5 | 8 |
| 0039_03 | 250 ppm | Day : 20 | 6 |
| 0039_03 | 250 ppm | Day : 91 | 8 |
| 0040_03 | 250 ppm | Day : 5 | 10 |
| 0040_03 | 250 ppm | Day : 20 | 10 |
| 0040_03 | 250 ppm | Day : 91 | 9 |
| 0041_03 | 500 ppm | Day : 5 | 1920 |
| 0041_03 | 500 ppm | Day : 20 | 8 |
| 0041_03 | 500 ppm | Day : 91 | 80 |
| 0042_03 | 500 ppm | Day : 5 | 420 |
| 0042_03 | 500 ppm | Day : 20 | 7 |
| 0043_03 | 500 ppm | Day : 5 | 960 |
| 0043_03 | 500 ppm | Day : 20 | 11 |
| 0043_03 | 500 ppm | Day : 91 | 480 |
| 0044_03 | 500 ppm | Day : 5 | 11 |
| 0044_03 | 500 ppm | Day : 20 | 7 |
| 0044_03 | 500 ppm | Day : 91 | 640 |
| 0045_03 | 500 ppm | Day : 5 | 440 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|----------|---------------|--------------|
| 0045_03 | 500 ppm | Day : 20 | 7 |
| 0045_03 | 500 ppm | Day : 91 | 640 |
| 0046_03 | 500 ppm | Day : 5 | 400 |
| 0046_03 | 500 ppm | Day : 20 | 7 |
| 0046_03 | 500 ppm | Day : 91 | 9 |
| 0047_03 | 500 ppm | Day : 5 | 840 |
| 0047_03 | 500 ppm | Day : 20 | 9 |
| 0047_03 | 500 ppm | Day : 91 | 12 |
| 0048_03 | 500 ppm | Day : 5 | 880 |
| 0048_03 | 500 ppm | Day : 20 | 12 |
| 0048_03 | 500 ppm | Day : 91 | 10 |
| 0049_03 | 500 ppm | Day : 5 | 120 |
| 0049_03 | 500 ppm | Day : 20 | 8 |
| 0049_03 | 500 ppm | Day : 91 | 400 |
| 0050_03 | 500 ppm | Day : 5 | 160 |
| 0050_03 | 500 ppm | Day : 20 | 17 |
| 0050_03 | 500 ppm | Day : 91 | 9 |
| 0051_03 | 1000 ppm | Day : 5 | 2880 |
| 0051_03 | 1000 ppm | Day : 20 | 110 |
| 0051_03 | 1000 ppm | Day : 91 | 8 |
| 0052_03 | 1000 ppm | Day : 5 | 10 |
| 0052_03 | 1000 ppm | Day : 20 | 9 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:52

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|----------|---------------|--------------|
| 0052_03 | 1000 ppm | Day : 91 | 8 |
| 0053_03 | 1000 ppm | Day : 5 | 8 |
| 0053_03 | 1000 ppm | Day : 20 | 7 |
| 0053_03 | 1000 ppm | Day : 91 | 50 |
| 0054_03 | 1000 ppm | Day : 5 | 760 |
| 0054_03 | 1000 ppm | Day : 20 | 4160 |
| 0054_03 | 1000 ppm | Day : 91 | 4 |
| 0055_03 | 1000 ppm | Day : 5 | 6 |
| 0055_03 | 1000 ppm | Day : 20 | 9 |
| 0055_03 | 1000 ppm | Day : 91 | 80 |
| 0056_03 | 1000 ppm | Day : 5 | 8 |
| 0056_03 | 1000 ppm | Day : 20 | 840 |
| 0056_03 | 1000 ppm | Day : 91 | 7 |
| 0057_03 | 1000 ppm | Day : 5 | 9 |
| 0057_03 | 1000 ppm | Day : 20 | 8 |
| 0057_03 | 1000 ppm | Day : 91 | 11 |
| 0058_03 | 1000 ppm | Day : 5 | 7 |
| 0058_03 | 1000 ppm | Day : 20 | 5120 |
| 0058_03 | 1000 ppm | Day : 91 | 300 |
| 0059_03 | 1000 ppm | Day : 5 | 5 |
| 0059_03 | 1000 ppm | Day : 20 | 6 |
| 0059_03 | 1000 ppm | Day : 91 | 11 |

Experiment Number: 55301-03

Species/Strain: Rat/Wistar

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:31:53

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|----------|---------------|--------------|
| 0060_03 | 1000 ppm | Day : 5 | 11 |
| 0060_03 | 1000 ppm | Day : 20 | 480 |
| 0060_03 | 1000 ppm | Day : 91 | 14 |

** END OF REPORT **