

Table S1. Water intake of rats (ml, n=10).

| | control | 2mg/L | 10mg/L | 50mg/L |
|--------|----------|----------|----------|----------|
| week1 | 2444.88 | 2366.17 | 2219.22 | 1919.01 |
| week2 | 3261.16 | 3304.09 | 2981.78 | 2353.45 |
| week3 | 3534.25 | 3692.43 | 2857.22 | 2046.87 |
| week4 | 4121.40 | 3802.10 | 2967.00 | 1978.20 |
| week5 | 5104.94 | 4448.77 | 3567.11 | 2071.61 |
| week6 | 4819.30 | 4091.80 | 3250.20 | 1941.74 |
| week7 | 5030.60 | 4549.90 | 3456.31 | 2005.40 |
| week8 | 5084.46 | 4702.84 | 3500.40 | 1889.36 |
| week9 | 5445.80 | 5340.00 | 3798.80 | 2323.20 |
| week10 | 5224.06 | 4516.80 | 3752.90 | 1831.84 |
| week11 | 5721.09 | 5606.40 | 4411.20 | 2387.86 |
| week12 | 6122.32 | 4149.90 | 4507.08 | 2049.23 |
| total | 55914.26 | 50571.20 | 41269.22 | 24797.77 |

Table S2. Arsenic intake of rats (mg, n=10).

| | control | 2mg/L | 10mg/L | 50mg/L |
|--------|---------|--------|--------|---------|
| week1 | 0.00 | 4.73 | 22.19 | 95.95 |
| week2 | 0.00 | 6.61 | 29.82 | 117.67 |
| week3 | 0.00 | 7.38 | 28.57 | 102.34 |
| week4 | 0.00 | 7.60 | 29.67 | 98.91 |
| week5 | 0.00 | 8.90 | 35.67 | 103.58 |
| week6 | 0.00 | 8.18 | 32.50 | 97.09 |
| week7 | 0.00 | 9.10 | 34.56 | 100.27 |
| week8 | 0.00 | 9.41 | 35.00 | 94.47 |
| week9 | 0.00 | 10.68 | 37.99 | 116.16 |
| week10 | 0.00 | 9.03 | 37.53 | 91.59 |
| week11 | 0.00 | 11.21 | 44.11 | 119.39 |
| week12 | 0.00 | 8.30 | 45.07 | 102.46 |
| total | 0.00 | 101.14 | 412.69 | 1239.89 |