

Table 1 Calcium the main trace elements in *Corbicula fluminalis* shells from the Shatt Al-Arab River

| Elements | Stations | | | | | | | | Mean |
|----------|----------|------|------|------|------|------|------|------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| CaO % | 55.1 | 55 | 55.2 | 55 | 55.3 | 55.1 | 55 | 55.2 | 55.1 |
| LOI % | 42.3 | 42.7 | 42.6 | 42.8 | 42.5 | 42.7 | 42.8 | 42.6 | 42.6 |
| Ba ppm | 23.1 | 23.7 | 23.8 | 24 | 24.2 | 24.4 | 24.5 | 24.8 | 24 |
| Zn ppm | 110 | 114 | 116 | 118 | 118 | 119 | 120 | 122 | 117 |
| Pb ppm | 15 | 16 | 18 | 20 | 20 | 21 | 22 | 22 | 19.2 |
| Ni ppm | 9 | 10 | 10 | 11 | 13 | 13 | 14 | 16 | 12 |
| Co ppm | 4 | 5 | 7 | 10 | 10 | 11 | 13 | 15 | 9.3 |
| Cr ppm | 7 | 9 | 9 | 11 | 11 | 12 | 14 | 13 | 10.7 |
| Sr ppm | 1640 | 1655 | 1675 | 1677 | 1679 | 1680 | 1682 | 1685 | 1671.6 |
| Cu ppm | 322 | 326 | 325 | 237 | 239 | 238 | 242 | 243 | 271.5 |
| Mn ppm | 22 | 24 | 25 | 27 | 29 | 29 | 31 | 33 | 27.5 |
| Fe ppm | 90 | 94 | 98 | 99 | 101 | 102 | 105 | 106 | 99.3 |