

Table 2. EDS analysis of the starting and modified diatomite before and after DS adsorption (standard deviations varied from ± 0.03 to ± 1.25)

| | Element, weight % | | | | | | | | | |
|-----|-------------------|-----|-----|-----|-----|------|-----|-----|-----|------|
| | Na | K | Mg | Ca | Al | Si | S | Cl | Fe | O |
| D | 0.0 | 0.3 | 0.0 | 0.2 | 1.9 | 33.8 | 0.2 | 0.0 | 0.9 | 62.6 |
| MD | 0.6 | 0.3 | 0.0 | 0.0 | 7.2 | 25.0 | 3.4 | 0.0 | 0.8 | 62.7 |
| DD | 0.0 | 0.4 | 0.2 | 0.0 | 2.3 | 35.3 | 0.0 | 0.7 | 0.9 | 60.0 |
| MDD | 0.0 | 0.4 | 0.0 | 0.0 | 7.4 | 24.5 | 1.5 | 7.4 | 0.7 | 58.2 |