

Table (6) Seasonal variation of TOC% and grain size in west Qurna-2 oil field.

| Station | TOC%   |        |        |        | Grain size |       |       |       |
|---------|--------|--------|--------|--------|------------|-------|-------|-------|
|         | Summer | Autumn | Winter | Spring | Clay%      | Silt% | Sand% | Clay% |
| 1       | 0.256  | 0.558  | 1.116  | 1.118  | 2          | 70    | 28    | 2     |
| 2       | 0.358  | 0.651  | 1.162  | 1.162  | 1          | 41    | 58    | 1     |
| 3       | 0.461  | 1.023  | 1.441  | 1.213  | 3          | 68    | 29    | 3     |
| 4       | 0.666  | 1.038  | 1.581  | 1.415  | 1          | 47    | 52    | 1     |
| 5       | 0.923  | 1.829  | 1.813  | 1.668  | 1          | 76    | 23    | 1     |
| 6       | 0.82   | 1.162  | 1.674  | 1.649  | 2          | 32    | 66    | 2     |
| 7       | 0.974  | 1.953  | 1.891  | 1.668  | 1          | 42    | 57    | 1     |
| 8       | 1.025  | 2.046  | 2.000  | 1.800  | 1          | 56    | 43    | 1     |
| 9       | 1.179  | 2.093  | 2.418  | 1.876  | 1          | 39    | 60    | 1     |
| 10      | 1.282  | 2.511  | 2.511  | 2.445  | 2          | 73    | 25    | 2     |