**Table 4. Summary of Results Obtained from Adsorption Experiments**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Run | Factor 1  pH | | Factor 2  Temperature  Kelvin | | Factor 3  Adsorbent dose mg/l | | Factor 4  Contact time  min | | Response  Adsorption efficiency  % |
|  | Actual |  | Actual |  | Actual |  | Actual |
| 1 |  | 9 |  | 328 |  | 40 |  | 50 | 98.92 |
| 2 |  | 7 |  | 318 |  | 30 |  | 20 | 98.72 |
| 3 |  | 7 |  | 318 |  | 50 |  | 40 | 99.78 |
| 4 |  | 5 |  | 308 |  | 20 |  | 30 | 80.74 |
| 5 |  | 7 |  | 318 |  | 30 |  | 40 | 99.11 |
| 6 |  | 9 |  | 308 |  | 40 |  | 30 | 97.99 |
| 7 |  | 11 |  | 318 |  | 30 |  | 40 | 99.88 |
| 8 |  | 5 |  | 308 |  | 40 |  | 50 | 97.15 |
| 9 |  | 9 |  | 308 |  | 20 |  | 50 | 97.52 |
| 10 |  | 5 |  | 328 |  | 40 |  | 30 | 71.08 |
| 11 |  | 5 |  | 328 |  | 20 |  | 30 | 86.60 |
| 12 |  | 7 |  | 298 |  | 30 |  | 40 | 96.45 |
| 13 |  | 5 |  | 328 |  | 40 |  | 50 | 98.73 |
| 14 |  | 9 |  | 328 |  | 20 |  | 50 | 95.98 |
| 15 |  | 7 |  | 318 |  | 30 |  | 30 | 96.98 |
| 16 |  | 5 |  | 328 |  | 20 |  | 50 | 78.42 |
| 17 |  | 7 |  | 318 |  | 30 |  | 40 | 97.15 |
| 18 |  | 5 |  | 308 |  | 40 |  | 30 | 98.08 |
| 19 |  | 7 |  | 318 |  | 30 |  | 60 | 93.72 |
| 20 |  | 9 |  | 328 |  | 20 |  | 30 | 94.16 |
| 21 |  | 7 |  | 318 |  | 30 |  | 40 | 92.37 |
| 22 |  | 7 |  | 318 |  | 10 |  | 40 | 87.05 |
| 23 |  | 7 |  | 338 |  | 30 |  | 40 | 94.64 |
| 24 |  | 9 |  | 308 |  | 40 |  | 50 | 99.47 |
| 25 |  | 9 |  | 328 |  | 40 |  | 30 | 98.17 |
| 26 |  | 3 |  | 318 |  | 30 |  | 40 | 80.36 |
| 27 |  | 5 |  | 308 |  | 20 |  | 50 | 77.56 |
| 28 |  | 9 |  | 308 |  | 20 |  | 30 | 92.83 |