**Table 3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  **PCP1** |  |  **PCP2** |  |  **PCP3** |
|   | Before exposure |  GW1 |  GW2 |  | Before exposure |  GW1 |  GW2 |  | Before exposure |  GW1 |  GW2 |
| AgNP (Ag0) | 69 | (3) | -- |  | -- |  |  | 31 | (2) | -- |  | -- |  |  | 26 | (1) | 23 | (2) | -- |  |
| AgCl | -- |  | 67 | (3) | 68 | (6) |  | 64 | (2) | 64 | (4) | 64 | (4) |  | 56 | (1) | 61 | (1) | 43 | (3) |
| Ag-clay | 16 | (4) | 16 | (5) | 15 | (5) |  | -- |  | -- |  | -- |  |  | -- |  | -- |  | 28 | (4) |
| Ag2O | -- |  | 17 | (2) | 16 | (3) |  | 5 | (3) | -- |  | -- |  |  | 17 | (1) | 15 | (2) | -- |  |
| Ag2CO3 | -- |  | -- |  | -- |  |  | -- |  | 20 | (7) | 27 | (6) |  | -- |  | -- |  | -- |  |
| Ag-reduced sulfur | 14 | (5) | -- |  | -- |  |  | -- |  | 16 | (4) | 8 | (4) |  | -- |  | -- |  | 29 | (2) |
| *R-factor* |  0.000194 |  0.000133 |  0.000180 |  |  0.000276 |  0.000281 |  0.000228 |  |  0.000043 |  0.000109 |  0.000102 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  **PCP4** |  |  **PCP5** |  |  **PCP6** |
|   | Before exposure |  GW1 |  GW2 |  | Before exposure |  GW1 |  GW2 |  | Before exposure |  GW1 |  GW2 |
| AgNP (Ag0) | 87 | (4) | -- |  | 31 | (3) |  | -- |  | -- |  | -- |  |  | 84 | (5) | 42 | (5) | -- |  |
| AgCl | -- |  | 39 | (3) | 69 | (3) |  | 80 | (4) | 61 | (2) | 63 | (3) |  | -- |  | 35 | (6) | 44 | (7) |
| Ag-clay | -- |  | 36 | (4) | -- |  |  | 16 | (4) | 20 | (3) | 17 | (4) |  | -- |  | 3 | (9) | 30 | (3) |
| Ag2O | 12 | (4) | 24 | (2) | -- |  |  | 3 | (2) | 18 | (1) | 18 | (2) |  | -- |  | 18 | (3) | 16 | (3) |
| Ag2CO3 | -- |  | -- |  | -- |  |  | -- |  | -- |  | -- |  |  | -- |  | -- |  | -- |  |
| Ag-reduced sulfur | -- |  | -- |  | -- |  |  | -- |  | -- |  | -- |  |  | 16 | (5) | -- |  | 8 | (4) |
| *R-factor* |  0.000618 | 0.000109 | 0.000119 |  |  0.000479 | 0.000062 | 0.000117 |  |  0.000479 | 0.000176 |  0.000070 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  **PCP7** |  |  **PCP8** |  |  |
|   | Before exposure |  GW1 |  GW2 |  | Before exposure |  GW1 |  GW2 |  |  |  |  |
| AgNP (Ag0) | 86 | (2) | 21 | (2) | -- |  |  | 91 | (4) | -- |  | -- |  |  |  |  |  |  |  |  |
| AgCl | -- |  | 18 | (7) | 56 | (3) |  | -- |  | 59 | (2) | 60 | (2) |  |  |  |  |  |  |  |
| Ag-clay | -- |  | 23 | (5) | 24 | (4) |  | -- |  | 28 | (8) | 23 | (3) |  |  |  |  |  |  |  |
| Ag2O | -- |  | -- |  | 18 | (2) |  | 9 | (4) | 12 | (2) | 15 | (2) |  |  |  |  |  |  |  |
| Ag2CO3 | -- |  | -- |  | -- |  |  | -- |  | -- |  | -- |  |  |  |  |  |  |  |  |
| Ag-reduced sulfur | 13 | (2) | 35 | (3) | -- |  |  | -- |  | -- |  | -- |  |  |  |  |  |  |  |  |
| *R-factor* |  0.000254 | 0.000056 | 0.000101 |  |  0.000459 | 0.000070 | 0.000078 |  |  |  |  |