**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 | |  |  | |  | |  | |