Caumon, M.-C., Dubessy, J., Robert, P., Benaissa, B., 2017. Microreactors to Measure Solubilities in the CO2-H2O-NaCl System. Energy Procedia, 114, 4843–4850. <https://doi.org/10.1016/j.egypro.2017.03.1624>

y = slope \* sCO2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 4a | ACO2tot/AH2Ob | 0 | 25°C | 1.14491 |
|  |  | 1 |  | 1.01324 |
|  |  | 2 |  | 0.84151 |
|  |  | 3 |  | 0.85662 |
|  |  | 4 |  | 0.71355 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 4b | ACO2tot/AH2Os | 0 | 25°C | 0.00767 |
|  |  | 1 |  | 0.00737 |
|  |  | 2 |  | 0.00683 |
|  |  | 3 |  | 0.00692 |
|  |  | 4 |  | 0.00634 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 4c | ACO21380/AH2Ob | 0 | 25°C | 0.8101 |
|  |  | 1 |  | 0.73572 |
|  |  | 2 |  | 0.63741 |
|  |  | 3 |  | 0.62845 |
|  |  | 4 |  | 0.54596 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 4d | ACO21380/AH2Os | 0 | 25°C | 0.8101 |
|  |  | 1 |  | 0.73572 |
|  |  | 2 |  | 0.63741 |
|  |  | 3 |  | 0.62845 |
|  |  | 4 |  | 0.54596 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 4e | ICO21380/AH2Ob | 0 | 25°C | 5.42915 |
|  |  | 1 |  | 4.92945 |
|  |  | 2 |  | 4.33495 |
|  |  | 3 |  | 4.27653 |
|  |  | 4 |  | 3.44917 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 4f | ICO21380/AH2Os | 0 | 25°C | 0.13077 |
|  |  | 1 |  | 0.1219 |
|  |  | 2 |  | 0.11299 |
|  |  | 3 |  | 0.1086 |
|  |  | 4 |  | 0.09944 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 6a | ACO2tot/AH2Ob | 0 | 25°C | 1.14491 |
|  |  |  | 100 °C | 1.16342 |
|  |  |  | 200 °C | 1.83537 |
|  |  |  | 250 °C | 2.35083 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 6b | ACO2tot/AH2Os | 0 | 25°C | 0.00767 |
|  |  |  | 100 °C | 0.00827 |
|  |  |  | 200 °C | 0.00996 |
|  |  |  | 250 °C | 0.01018 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 6c | ACO21380/AH2Ob | 0 | 25°C | 0.8101 |
|  |  |  | 100 °C | 0.83571 |
|  |  |  | 200 °C | 1.29049 |
|  |  |  | 250 °C | 1.70236 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 6d | ACO21380/AH2Os | 0 | 25°C | 0.00542 |
|  |  |  | 100 °C | 0.00581 |
|  |  |  | 200 °C | 0.007 |
|  |  |  | 250 °C | 0.00737 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 6e | ICO21380/AH2Ob | 0 | 25°C | 5.42915 |
|  |  |  | 100 °C | 5.15519 |
|  |  |  | 200 °C | 7.07493 |
|  |  |  | 250 °C | 8.45698 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Figure | y | salinity | temperature | slope |
| 6f | ICO21380/AH2Os | 0 | 25°C | 0.13077 |
|  |  |  | 100 °C | 0.12211 |
|  |  |  | 200 °C | 0.10989 |
|  |  |  | 250 °C | 0.09493 |

Figure 5: 25 °C

|  |  |  |
| --- | --- | --- |
| Ratio | slope (mNaCl) / slope (0 M) | intercept |
| ACO2tot/AH2Ob | -0.08903 | 0.97635 |
| ACO2tot/AH2Os | -0.04026 | 0.99481 |
| ACO21380/AH2Ob | -0.07618 | 0.98259 |
| ACO21380/AH2Os | -0.01852 | 1 |
| ICO21380/AH2Ob | -0.08372 | 0.99458 |
| ICO21380/AH2Os | -0.05268 | 0.98807 |