Table S6. SIMS volatiles contents of glass samples.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample** | **Lat (°S)** | **Long (°E)** | **CO2 (µg/g)** | **H2O (g/100g)** | **F (µg/g)** | **S (µg/g)** | **Cl (µg/g)** |
| **Outsider Seamount** | | | | | | | |
| SO199-DR1-7 | 6.23 | 97.37 | 69 | 0.620 | 597 | 1280 | 224 |
| SO199-DR1-10 | 6.23 | 97.37 | 58 | 0.620 | 597 | 1272 | 224 |
| SO199-DR1-15 | 6.23 | 97.37 | 46 | 0.629 | 605 | 1283 | 229 |
| SO199-DR1-18 | 6.23 | 97.37 |  |  |  |  |  |
| **Investigator Ridge** | | | | | | | |
| SO199-DR2-15 | 7.01 | 98.11 | 198 | 0.178 | 139 | 977 | 41 |
| SO199-DR2-17 | 7.01 | 98.11 | 201 | 0.159 | 129 | 937 | 27 |
| SO199-DR2-18 | 7.01 | 98.11 | 181 | 0.182 | 139 | 976 | 44 |
| SO199-DR10-13 | 10.99 | 98.13 | 172 | 0.402 | 272 | 1220 | 463 |
| SO199-DR10-14 | 10.99 | 98.13 | 179 | 0.395 | 269 | 1205 | 460 |
| SO199-DR10-15 | 10.99 | 98.13 |  |  |  |  |  |
| SO199-DR10-22C | 10.99 | 98.13 | 123 | 0.446 | 297 | 1284 | 557 |
| SO199-DR22-1A | 13.24 | 98.24 | 53 | 1.119 | 685 | 1996 | 739 |
| SO199-DR22-1B | 13.24 | 98.24 | 51 | 1.127 | 690 | 2002 | 745 |