Table 2. Stable isotope and SEC data for the water samples in Virkisá catchment

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sample ID** | **date** | **Season** | **megagroup** | **SEC µS cm-1** | **18O‰** | **2H‰** |
| 1 | 08/09/2011 | Summer | River: bridge | 28.1 | -11.48 | -79 |
| 2 | 09/09/2011 | Summer | Ice | 0.59 | -10.9 | -76.8 |
| 3 | 09/09/2011 | Summer | Ice | 3.93 | -11.38 | -76.7 |
| 4 | 09/09/2011 | Summer | Ice Marginal | 32.1 | -10.5 | -72.9 |
| 5 | 10/09/2011 | Summer | River: bridge | 27 | -11.45 | -77.8 |
| 6 | 10/09/2011 | Summer | River: lake outlet | 26 | -11.17 | -78.1 |
| 7 | 13/09/2011 | Summer | Ice | 1 | -11.44 | -76.7 |
| 8 | 13/09/2011 | Summer | Ice | 1 | -10.77 | -74.5 |
| 9 | 13/09/2011 | Summer | River: lake outlet | 24.3 | -11.53 | -80.4 |
| 10 | 13/09/2011 | Summer | Snout | 27 | -11.64 | -79.9 |
| 11 | 14/09/2011 | Summer | River: bridge | 26.1 | -10.9 | -76.9 |
| 12 | 14/09/2011 | Summer | Sandur | 72.6 | -8.86 | -60.5 |
| 13 | 14/09/2011 | Summer | Sandur | 87.1 | -8.62 | -60.2 |
| 14 | 29/02/2012 | Winter | River: bridge | 50.8 | -10.62 | -73.9 |
| 15 | 29/02/2012 | Winter | River: bridge | 51.2 | -10.17 | -72.7 |
| 16 | 29/02/2012 | Winter | River: lake outlet | 59.2 | -10.81 | -75.2 |
| 17 | 29/02/2012 | Winter | River: lake outlet | 60.9 | -10.79 | -76.4 |
| 18 | 29/02/2012 | Winter | River: bridge | 52.4 | -10.55 | -72.70 |
| 19 | 01/03/2012 | Winter | Sandur | 61 | -9.28 | -64.3 |
| 20 | 16/04/2012 | Spring | Ice Marginal | 28.7 | -10.25 | -71.67 |
| 21 | 16/04/2012 | Spring | Snout | 74.1 | -11.69 | -82.29 |
| 22 | 17/04/2012 | Spring | River: lake outlet | 53.4 | -10.68 | -73.83 |
| 23 | 19/04/2012 | Spring | Lower Sandur | 52.5 | -9.82 | -67.20 |
| 24 | 19/04/2012 | Spring | River: bridge | 53 | -10.50 | -72.78 |
| 25 | 19/04/2012 | Spring | Sandur | 59.6 | -8.06 | -56.23 |
| 26 | 19/04/2012 | Spring | Sandur |  | -8.03 | -56.51 |
| 27 | 22/04/2012 | Spring | Snout | 82.5 | -12.07 | -82.76 |
| 28 | 04/09/2012 | Summer | Sandur | 92.7 | -7.98 | -57.23 |
| 29 | 06/09/2012 | Summer | Ice Marginal | 79 | -11.35 | -78.37 |
| 30 | 06/09/2012 | Summer | Ice Marginal | 27.7 | -10.66 | -73.24 |
| 31 | 06/09/2012 | Summer | Ice Marginal | 28 | -10.64 | -73.59 |
| 32 | 06/09/2012 | Summer | Lower Sandur | 135 | -7.44 | -53.25 |
| 33 | 06/09/2012 | Summer | Lower Sandur | 83.5 | -9.35 | -66.56 |
| 34 | 06/09/2012 | Summer | Lower Sandur | 80.5 | -9.51 | -67.37 |
| 35 | 06/09/2012 | Summer | Lower Sandur | 43.9 | -10.42 | -72.53 |
| 36 | 06/09/2012 | Summer | Lower Sandur | 110.7 | -8.66 | -61.14 |
| 37 | 06/09/2012 | Summer | Moraine | 88 | -7.00 | -51.44 |
| 38 | 06/09/2012 | Summer | Moraine | 101.3 | -7.23 | -52.53 |
| 39 | 06/09/2012 | Summer | Snout | 33.6 | -11.80 | -81.42 |
| 40 | 10/01/2013 | Winter | River: bridge | 55.7 | -10.54 | -74.23 |
| 41 | 11/01/2013 | Winter | Moraine | 54.4 | -8.73 | -64.88 |
| 42 | 12/01/2013 | Winter | Lower Sandur | 57.3 | -10.38 | -74.20 |
| 43 | 12/01/2013 | Winter | River: lake outlet | 53.9 | -10.64 | -73.54 |
| 44 | 12/01/2013 | Winter | River: lake outlet | 53.9 | -10.60 | -74.01 |
| 45 | 12/01/2013 | Winter | Sandur | 54.2 | -9.40 | -69.25 |
| 46 | 12/01/2013 | Winter | Snout | 68.9 | -11.44 | -79.97 |
| 47 | 19/04/2013 | Spring | Ice Marginal | 60.6 | -10.41 | -72.33 |
| 48 | 19/04/2013 | Spring | Lower Sandur | 56.6 | -10.33 | -72.30 |
| 49 | 19/04/2013 | Spring | Moraine | 65.3 | -7.96 | -57.55 |
| 50 | 19/04/2013 | Spring | River: bridge | 60.7 | -10.44 | -72.85 |
| 51 | 21/04/2013 | Spring | Lower Sandur | 86.9 | -8.25 | -59.17 |
| 52 | 21/04/2013 | Spring | Lower Sandur | 66.5 | -9.04 | -63.95 |
| 53 | 21/04/2013 | Spring | Moraine | 72.3 | -7.87 | -56.60 |
| 54 | 22/04/2013 | Spring | Ice Marginal | 68.5 | -10.53 | -73.87 |
| 55 | 22/04/2013 | Spring | River: lake outlet | 67.8 | -10.54 | -74.09 |
| 56 | 22/04/2013 | Spring | Snout | 116.5 | -11.88 | -82.40 |
| 57 | 24/04/2013 | Spring | Lower Sandur | 61.6 | -8.01 | -56.96 |
| 58 | 14/09/2013 | Summer | Lower Sandur | 42 | -9.92 | -69.5 |
| 59 | 14/09/2013 | Summer | Lower Sandur | 77 | -7.07 | -51.8 |
| 60 | 14/09/2013 | Summer | Moraine | 71 | -7.19 | -52.6 |
| 61 | 14/09/2013 | Summer | River: bridge | 35 | -11.13 | -77.0 |
| 62 | 14/09/2013 | Summer | River: lake outlet | 30 | -11.20 | -77.7 |
| 63 | 14/09/2013 | Summer | River: bridge | 19 | -11.02 | -75.8 |
| 64 | 14/09/2013 | Summer | Sandur | 65 | -7.55 | -52.8 |
| 65 | 14/09/2013 | Summer | Snout |   | -9.55 | -67.2 |
| 66 | 15/09/2013 | Summer | Snout |   | -9.55 | -68.0 |
| 67 | 18/09/2013 | Summer | River: bridge | 37.8 | -11.25 | -78.8 |
| 68 | 18/09/2013 | Summer | River: bridge | 36.5 | -11.23 | -78.7 |
| 69 | 18/09/2013 | Summer | River: bridge | 36.5 | -11.23 | -78.8 |
| 70 | 19/09/2013 | Summer | Moraine | 72.9 | -7.22 | -53.8 |
| 71 | 20/09/2013 | Summer | Ice | 1 | -11.69 | -84.1 |
| 72 | 20/09/2013 | Summer | Ice | 1 | -10.98 | -77.9 |
| 73 | 20/09/2013 | Summer | Ice | 1 | -10.06 | -70.7 |
| 74 | 20/09/2013 | Summer | Ice | 1 | -11.27 | -81.4 |
| 75 | 21/09/2013 | Summer | River: bridge | 36.5 | -11.22 | -78.8 |
| 76 | 21/09/2013 | Summer | River: lake outlet | 35.9 | -11.21 | -78.7 |
| 77 | 21/09/2013 | Summer | River: lake outlet | 36 | -11.23 | -79.0 |
| 78 | 22/09/2013 | Summer | Ice | 1 | -10.26 | -71.7 |
| 79 | 22/09/2013 | Summer | Ice | 1 | -11.21 | -79.5 |
| 80 | 03/05/2014 | Spring | River: bridge | 37 | -11.20 | -79.1 |
| 81 | 04/05/2014 | Spring | Moraine | 53.8 | -8.94 | -66.3 |
| 82 | 04/05/2014 | Spring | River: bridge | 39.8 | -11.16 | -78.3 |
| 83 | 04/05/2014 | Spring | River: lake outlet | 39.5 | -11.21 | -77.6 |
| 84 | 04/05/2014 | Spring | Sandur | 53.9 | -9.49 | -69.3 |
| 85 | 05/05/2014 | Spring | Ice | 1 | -11.32 | -81.0 |
| 86 | 05/05/2014 | Spring | Ice | 1 | -11.71 | -81.4 |
| 87 | 05/05/2014 | Spring | Ice | 1 | -10.88 | -77.5 |
| 88 | 05/05/2014 | Spring | Ice | 1 | -10.22 | -70.9 |
| 89 | 05/05/2014 | Spring | Ice | 1 | -10.65 | -75.8 |
| 90 | 05/05/2014 | Spring | Ice | 1 | -11.03 | -78.2 |
| 91 | 05/05/2014 | Spring | Lower Sandur | 68.2 | -8.92 | -65.0 |
| 92 | 05/05/2014 | Spring | River: lake outlet | 76.4 | -11.17 | -78.2 |
| 93 | 06/05/2014 | Spring | Ice | 1 | -11.73 | -81.2 |
| 94 | 06/05/2014 | Spring | Ice | 1 | -10.45 | -72.8 |
| 95 | 06/05/2014 | Spring | Ice | 1 | -10.98 | -79.1 |
| 96 | 06/05/2014 | Spring | Ice | 1 | -10.77 | -77.7 |
| 97 | 06/05/2014 | Spring | Ice | 1 | -10.70 | -77.3 |
| 98 | 12/01/2013 | Winter | River: bridge |   | -10.53 | -73.72 |