

Sample ID	T(D47) (*C)	Coplen (2007)	Kim & O'Neill (1997)	d18O Difference
		Water d18O	Water d18O	
CLY3_135140	19	-10.3	-8.7	1.7
CLY3_155160	18	-11.8	-10.2	1.6
CLY3_175180	19	-12.0	-10.4	1.6
CLY3_205210	16	-13.4	-11.8	1.6
CLY3_235240	37	-9.8	-8.1	1.8
CLY3_255260	42	-8.3	-6.4	1.8
CLY3_290295	34	-9.7	-7.9	1.8
CLY3_345350	39	-8.9	-7.1	1.8
CLY3_405410	24	-11.4	-9.8	1.7
CLY1_-160	10	-15.8	-14.2	1.6
CLY1_-125	1	-18.5	-17.0	1.5
CLY3_445450	16	-13.1	-11.5	1.6
CLY1_-115	10	-15.5	-13.9	1.6
CLY3_485490	10	-14.3	-12.7	1.6
CLY1_-80	8	-16.6	-15.0	1.6
CLY1_-15	8	-16.7	-15.2	1.6
CLY3_555560	28	-11.2	-9.5	1.7
CLY3_595600	40	-8.6	-6.8	1.8
WA5_80	15	-13.5	-11.9	1.6
WA5_95	21	-12.3	-10.6	1.7
WA5_110	25	-11.7	-10.0	1.7
WA5_126136m	23	-13.1	-11.4	1.7
WA5_126136p	10	-16.3	-14.7	1.6
WA5_155	14	-16.1	-14.5	1.6
WA5_175	11	-17.3	-15.7	1.6
WA5_195	24	-14.7	-13.1	1.7
WA5_225	10	-16.2	-14.6	1.6
WA5_265	25	-13.5	-11.8	1.7
WA5_285	24	-13.8	-12.2	1.7
WA5_290295	5	-18.9	-17.3	1.5
WA5_344	40	-9.5	-7.8	1.8
WA5_395400	39	-8.7	-6.9	1.8

Table DR1 - Calculated water d18O sensitivity test - Calculated water d18O values determined from measured carbonate d18O and T(D47) values using the calcite-water 18O fractionation equations of (1) Coplen (2007) and (2) Kim and O'Neil (1997). Coplen-derived water d18O values are reported in the text, Table 1, and represented on figures. Interpretations of water d18O trends would not be impacted if Kim and O'Neil (1997) values were used due to near-systematic offset of ~1.7 permil between the two fractionation equations.