

	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MnO	MgO
Sample						
KHO3-10(L)	49.117	1.898	13.830	10.447	0.169	9.674
KHO3-1	43.742	0.087	2.667	8.776	0.130	40.141
KHO3-2	43.558	0.077	2.756	8.630	0.129	40.197
KHO3-3	45.582	0.181	4.366	8.897	0.138	35.377
KHO3-4	45.556	0.159	3.907	8.981	0.139	36.860
KHO3-5	44.761	0.126	3.129	9.244	0.139	39.113
KHO3-6	45.888	0.106	3.324	8.781	0.131	39.980
KHO3-7	45.395	0.087	2.512	8.704	0.130	40.944
KHO3-8	45.818	0.104	3.429	8.912	0.135	39.401
KHO3-10	45.229	0.113	3.234	9.108	0.136	40.368
KHO3-11	45.517	0.128	3.553	8.876	0.134	38.273
KHO3-12	44.697	0.116	3.468	8.873	0.133	38.285
KHO3-13	44.943	0.155	3.797	9.874	0.146	37.029
KHO3-14	44.766	0.237	4.021	9.729	0.148	37.832
KHO3-15	43.830	0.093	1.198	9.123	0.131	44.486
KHO3-16	44.875	0.046	1.134	8.013	0.117	42.888
KHO3-17	44.830	0.120	3.553	9.549	0.144	37.838
KHO3-18	45.415	0.109	3.408	9.019	0.135	39.602
KHO3-19	44.856	0.092	2.836	8.764	0.131	40.770
KHO3-20	46.328	0.112	2.979	8.989	0.133	38.979
KHO3-21	45.695	0.167	4.414	9.264	0.142	36.961
KHO3-22	44.517	0.092	2.538	9.249	0.136	41.401
KHO3-23	45.797	0.138	3.497	9.322	0.136	38.500
KHO3-24	45.786	0.149	2.715	9.729	0.147	39.217
KHO3-25	44.433	0.059	2.218	8.736	0.126	42.807
KHO3-26	44.216	0.136	3.432	9.323	0.137	38.291
KHO3-27	43.685	0.075	1.317	8.853	0.127	45.178
KH96-1	45.730	0.115	2.970	8.650	0.130	39.780
KH96-2	44.720	0.041	1.830	8.500	0.122	43.980
KH96-8	48.730	0.106	3.060	8.060	0.134	38.050
KH96-9	46.510	0.087	3.750	8.610	0.138	37.500
KH96-18	46.010	0.089	3.460	9.000	0.134	38.280
KH96-20	45.460	0.151	3.720	8.920	0.132	39.180
KH96-21	43.530	0.035	0.830	8.830	0.125	45.580
KH96-22	49.170	0.138	3.350	8.410	0.123	34.790
KH96-24	44.900	0.128	2.670	10.830	0.158	38.860

	CaO	Na ₂ O	K ₂ O	P ₂ O ₅	LOI
Sample					
KHO3-10(L)	8.900	3.252	1.858	0.493	0.420
KHO3-1	2.539	0.213	0.012	0.013	0.430
KHO3-2	2.241	0.361	0.018	0.021	0.300
KHO3-3	4.975	0.426	0.014	0.019	0.260
KHO3-4	3.799	0.343	0.022	0.017	0.350
KHO3-5	3.155	0.298	0.056	0.025	0.470
KHO3-6	3.218	0.272	0.009	0.016	0.340
KHO3-7	2.412	0.257	0.013	0.019	0.300
KHO3-8	3.020	0.252	0.010	0.015	0.320
KHO3-10	2.641	0.277	0.029	0.023	0.400
KHO3-11	3.318	0.304	0.013	0.018	0.420
KHO3-12	3.333	0.266	0.010	0.013	0.310
KHO3-13	3.252	0.270	0.018	0.022	0.390
KHO3-14	3.702	0.247	0.017	0.025	0.380
KHO3-15	1.071	0.078	0.013	0.016	0.530
KHO3-16	0.874	0.078	0.027	0.019	0.280
KHO3-17	3.778	0.261	0.014	0.021	0.330
KHO3-18	3.088	0.260	0.009	0.014	0.210
KHO3-19	2.504	0.211	0.010	0.016	0.370
KHO3-20	2.627	0.188	0.016	0.018	0.400
KHO3-21	3.702	0.300	0.007	0.016	0.410
KHO3-22	1.989	0.154	0.008	0.019	0.470
KHO3-23	3.162	0.346	0.044	0.027	0.360
KHO3-24	2.726	0.207	0.010	0.021	0.510
KHO3-25	1.775	0.162	0.008	0.016	0.320
KHO3-26	3.048	0.246	0.014	0.017	0.480
KHO3-27	0.968	0.053	0.008	0.015	0.290
KH96-1	2.570	0.210	0.020	0.020	0.420
KH96-2	1.380	0.100	0.010	0.013	0.390
KH96-8	2.280	0.160	0.020	0.019	0.250
KH96-9	3.090	0.310	0.010	0.013	0.310
KH96-18	3.100	0.390	0.010	0.012	0.420
KH96-20	3.570	0.430	0.040	0.032	0.960
KH96-21	0.530	0.050	0.020	0.015	0.340
KH96-22	3.290	0.310	0.030	0.018	0.230
KH96-24	2.240	0.140	0.020	0.022	0.260

Table B.1.1. Major element abundances (weight %) for whole rock Kilbourne Hole peridotite xenoliths. Note all samples show a gain in mass after ignition at 1000°C for 45 minutes.