

Sample	SiO₂	2 sd	TiO₂	2sd	Al₂O₃	2 sd
KHO3-2	0.011	0.031	0.129	0.021	55.214	0.289
KHO3-3	0.012	-	0.147	-	53.730	-
KHO3-4	0.021	0.023	0.141	0.029	57.086	0.690
KHO3-5	0.005	0.012	0.088	0.037	56.664	0.536
KHO3-6	0.012	0.027	0.099	0.047	57.476	0.314
KHO3-7	0.016	0.018	0.137	0.023	53.976	0.523
KHO3-10	0.038	0.033	0.145	0.020	56.997	0.244
KHO3-11	0.008	0.024	0.103	0.030	56.421	0.576
KHO3-14	0.011	0.020	0.225	0.029	58.948	0.641
KHO3-15	0.048	0.033	0.797	0.030	34.050	0.329
KHO3-16	0.042	0.036	0.143	0.019	26.585	0.666
KHO3-17	0.009	0.012	0.098	0.009	57.984	0.342
KHO3-21	0.008	0.026	0.104	0.037	60.073	0.405
KHO3-22	0.035	0.035	0.253	0.030	54.713	0.018
KHO3-23	0.027	0.031	0.145	0.018	56.346	0.516
KHO3-24	0.016	0.032	0.141	0.025	54.972	0.486
KHO3-25	0.003	-	0.136	-	53.831	-
KHO3-27	0.011	0.018	0.156	0.024	58.210	0.776
KH96-1	0.000	0.000	0.134	0.012	55.944	0.108
KH96-2	0.003	0.010	0.102	0.019	48.826	0.645
KH96-3	-	-	-	-	-	-
KH96-8	0.058	0.026	0.295	0.125	41.994	0.121
KH96-9	0.072	0.023	0.098	0.001	57.866	0.227
KH96-10b	0.000	0.000	0.090	0.026	60.238	0.264
KH96-12	0.000	0.000	0.114	0.036	58.236	0.540
KH96-13	0.000	0.000	0.128	0.044	56.986	0.429
KH96-14	0.000	0.000	0.112	0.020	57.112	0.083
KH96-18	0.000	0.000	0.071	0.023	57.541	0.447
KH96-20	0.000	0.000	0.120	0.024	58.480	0.430
KH96-21	-	-	-	-	-	-
KH96-22	0.000	0.000	0.107	0.016	58.293	0.517
KH96-23	-	-	-	-	-	-
KH96-24	0.000	0.000	0.162	0.039	54.817	0.294
KH1(b)	-	-	-	-	-	-
KLB 8312	-	-	-	-	-	-

Sample	Fe₂O₃	2 sd	MnO	2 sd	MgO	2 sd
KHO3-2	12.691	-	0.125	0.019	20.599	0.159
KHO3-3	12.078	-	0.106	-	20.195	-
KHO3-4	12.158	0.110	0.113	0.015	20.102	0.245
KHO3-5	12.575	0.052	0.121	0.024	20.407	0.031
KHO3-6	11.576	0.004	0.099	0.000	20.527	0.092
KHO3-7	12.008	0.034	0.120	0.029	20.181	0.272
KHO3-10	12.406	0.020	0.119	0.026	20.823	0.344
KHO3-11	11.808	0.032	0.115	0.018	20.123	0.190
KHO3-14	12.659	0.058	0.109	0.015	20.510	0.196
KHO3-15	16.320	0.083	0.207	0.018	17.495	0.136
KHO3-16	16.312	0.098	0.238	0.027	15.964	0.726
KHO3-17	12.658	0.063	0.116	0.021	20.234	0.193
KHO3-21	12.462	0.059	0.106	0.012	20.689	0.142
KHO3-22	13.525	0.040	0.123	0.038	20.397	0.041
KHO3-23	11.790	0.053	0.106	0.012	20.160	0.117
KHO3-24	12.698	0.034	0.129	0.016	20.304	0.239
KHO3-25	11.725	-	0.126	-	20.343	-
KHO3-27	12.153	0.068	0.118	0.023	20.674	0.234
KH96-1	11.821	0.017	0.124	0.003	20.503	0.151
KH96-2	12.311	0.060	0.146	0.025	19.469	0.090
KH96-3	-	-	-	-	-	-
KH96-8	15.154	0.032	0.184	0.080	18.441	0.006
KH96-9	11.482	0.173	0.116	0.034	21.064	0.162
KH96-10b	12.164	0.085	0.107	0.021	20.822	0.179
KH96-12	11.932	0.103	0.117	0.022	20.531	0.264
KH96-13	11.784	0.193	0.119	0.017	20.316	0.126
KH96-14	12.633	0.053	0.124	0.018	19.907	0.232
KH96-18	12.975	0.122	0.113	0.004	20.905	0.180
KH96-20	12.005	0.054	0.115	0.018	20.196	0.203
KH96-21	-	-	-	-	-	-
KH96-22	12.056	0.107	0.113	0.012	20.563	0.213
KH96-23	-	-	-	-	-	-
KH96-24	14.581	0.124	0.143	0.019	19.329	0.221
KH1(b)	-	-	-	-	-	-
KLB 8312	-	-	-	-	-	-

Sample	CaO	2 sd	Na₂O	2 sd	K₂O	2 sd
KHO3-2	0.002	0.003	0.005	0.011	0.002	0.005
KHO3-3	0.017	-	0.001	-	0.000	-
KHO3-4	0.002	0.008	0.005	0.012	0.002	0.005
KHO3-5	0.001	0.003	0.002	0.003	0.000	0.000
KHO3-6	0.002	0.004	0.004	0.010	0.002	0.006
KHO3-7	0.003	0.007	0.001	0.007	0.001	0.002
KHO3-10	0.001	0.004	0.006	0.014	0.002	0.008
KHO3-11	0.002	0.008	0.001	0.006	0.003	0.008
KHO3-14	0.004	0.008	0.010	0.017	0.001	0.005
KHO3-15	0.004	0.007	0.006	0.012	0.004	0.009
KHO3-16	0.004	0.013	0.006	0.014	0.003	0.006
KHO3-17	0.004	0.009	0.002	0.007	0.000	0.001
KHO3-21	0.005	0.011	0.002	0.005	0.001	0.003
KHO3-22	0.002	0.006	0.002	0.005	0.008	0.003
KHO3-23	0.002	0.006	0.004	0.011	0.001	0.002
KHO3-24	0.007	0.010	0.005	0.014	0.001	0.003
KHO3-25	0.002	-	0.009	-	0.002	-
KHO3-27	0.002	0.007	0.001	0.005	0.001	0.002
KH96-1	0.000	0.000	0.000	0.001	0.001	0.002
KH96-2	0.001	0.006	0.001	0.003	0.000	0.002
KH96-3	-	-	-	-	-	-
KH96-8	0.006	0.031	0.007	0.007	0.002	0.516
KH96-9	0.001	0.003	0.002	0.004	0.003	0.010
KH96-10b	0.004	0.009	0.005	0.009	0.001	0.003
KH96-12	0.001	0.003	0.001	0.004	0.002	0.007
KH96-13	0.000	0.000	0.002	0.006	0.002	0.006
KH96-14	0.001	0.005	0.000	0.000	0.001	0.002
KH96-18	0.002	0.006	0.002	0.005	0.001	0.002
KH96-20	0.003	0.006	0.007	0.013	0.000	0.000
KH96-21	-	-	-	-	-	-
KH96-22	0.002	0.006	0.006	0.011	0.003	0.006
KH96-23	-	-	-	-	-	-
KH96-24	0.002	0.005	0.002	0.005	0.002	0.007
KH1(b)	-	-	-	-	-	-
KLB 8312	-	-	-	-	-	-

Sample	P₂O₅	2 sd	Cr₂O₃	2 sd	NiO	2 sd
KHO3-2	0.002	0.005	12.806	0.286	0.380	0.024
KHO3-3	0.010	-	13.107	-	0.373	-
KHO3-4	0.004	0.010	7.821	0.271	0.402	0.015
KHO3-5	0.004	0.015	10.236	0.216	0.397	0.026
KHO3-6	0.013	0.006	9.830	0.130	0.411	0.008
KHO3-7	0.005	0.011	13.214	0.123	0.382	0.020
KHO3-10	0.004	0.010	9.353	0.220	0.400	0.014
KHO3-11	0.004	0.010	9.249	0.161	0.401	0.019
KHO3-14	0.004	0.010	7.296	0.071	0.397	0.011
KHO3-15	0.003	0.013	32.556	0.745	0.271	0.004
KHO3-16	0.003	0.008	40.711	1.166	0.224	0.014
KHO3-17	0.008	0.017	8.547	0.217	0.402	0.011
KHO3-21	0.004	0.007	6.049	0.156	0.427	0.016
KHO3-22	0.004	0.014	11.322	0.117	0.391	0.023
KHO3-23	0.004	0.010	10.048	0.275	0.397	0.023
KHO3-24	0.004	0.012	11.972	0.605	0.361	0.014
KHO3-25	0.000	-	14.077	-	0.376	-
KHO3-27	0.008	0.017	8.658	0.236	0.421	0.016
KH96-1			10.580	0.175	0.387	0.012
KH96-2	0.004	0.011	19.062	0.624	0.340	0.015
KH96-3	-	-	-	-	-	-
KH96-8			24.882	0.148	0.314	0.024
KH96-9	0.004	0.009	9.363	0.099	0.406	0.029
KH96-10b			6.322	0.076	0.433	0.009
KH96-12			8.801	0.182	0.406	0.021
KH96-13			10.651	0.085	0.378	0.008
KH96-14			9.136	0.045	0.384	0.009
KH96-18			8.585	0.121	0.426	0.014
KH96-20			7.909	0.047	0.407	0.017
KH96-21	-	-	-	-	-	-
KH96-22			9.050	0.118	0.411	0.019
KH96-23	-	-	-	-	-	-
KH96-24			11.712	0.096	0.356	0.018
KH1(b)	-	-	-	-	-	-
KLB 8312	-	-	-	-	-	-

Table B.1.2.4. Major element compositions of core of spinel grains from Kilbourne Hole peridotite xenoliths. All concentrations expressed as weight %. All values are the mean of at least 3 analyses made by electron microprobe at The Open University.