

Sulphurets

803849

## Silicate Chemical Analysis

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Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
869002	KQ8644A	52.29	0.49	15.00	8.63	3.51	4.59	0.14	3.08	4.13	3.13	5.01	2.70	3.20	0.36
869003	KQ8644B	55.40	0.47	15.30	5.40	1.70	3.29	0.18	3.60	5.51	5.69	1.99	2.29	4.00	0.36
869004	KQ8644C	54.20	0.51	16.10	8.96	3.61	4.80	0.14	4.32	1.62	4.01	4.46	3.20	1.00	0.33
869005	KQ8644D	61.00	0.37	16.10	4.19	1.87	2.09	0.09	1.20	2.59	3.29	8.10	1.20	1.79	0.20
869006	KQ8645	58.90	0.62	17.29	5.90	1.29	4.09	0.10	2.07	3.24	3.09	5.84	2.50	0.69	0.20
869008	KQ8646	59.90	0.63	17.70	5.69	1.29	3.90	0.07	1.04	2.23	5.40	4.76	1.79	0.80	0.20
869009	KQ8647	58.20	0.68	16.70	6.50	3.29	2.90	0.11	2.34	5.40	3.29	4.28	2.29	0.40	0.21
869010	KQ8648	56.79	0.68	18.00	6.30	1.70	4.19	0.10	1.01	2.90	4.00	6.67	2.00	1.29	0.23
869011	KQ8649	67.30	0.55	15.10	4.90	4.19	0.60	0.05	0.49	0.62	0.60	8.15	1.70	0.00	0.23
869012	KQ8650	61.40	0.62	16.10	5.69	5.19	0.50	0.15	1.75	3.20	5.30	2.41	1.89	2.00	0.23
869013	KQ8651	66.19	0.55	13.80	4.80	3.40	1.20	0.11	0.99	3.65	1.60	2.67	2.29	2.70	0.20
869014	KQ8652	62.09	0.57	15.80	6.57			0.07	1.36	2.27	0.70	3.00		1.50	0.21
869015	KQ8653	78.40	0.34	13.39	0.50	0.50	0.00	0.00	0.56	0.00	0.20	3.92	2.20	0.20	0.09
869016	KQ8653V	96.19	0.07	2.50	0.30	0.30	0.00	0.00	0.07	0.00	0.10	0.63	0.60	0.10	0.01
869018	KQ8654	84.40	0.20	6.67	2.06			0.00	0.34	0.10	0.01	1.97		0.00	0.07
869019	KQ8654A	83.69	0.07	2.66	1.21			0.00	0.12	0.05	0.00	0.63		0.10	0.07
869025	KQ8660	59.09	0.79	20.89	5.03			0.01	1.33	0.15	1.47	4.03		0.00	0.23
869026	KQ8661	65.00	0.28	12.10	5.17			0.01	0.28	0.18	0.14	7.67		0.10	0.18
869028	KQ8662	62.29	0.41	16.79	3.33	2.77	0.50	0.00	0.33	0.05	0.20	12.19	1.70	0.69	0.21
869029	KQ8663	85.09	0.17	3.76	5.07			0.01	0.25	0.05	0.02	1.50		0.10	0.01
869030	KQ8664	52.20	0.72	20.60	8.22			0.03	2.05	0.50	2.01	6.78		0.30	0.18
869031	KQ8664A	59.09	0.43	17.70	6.17			0.07	1.36	1.38	4.80	4.11		0.80	0.28
869032	KQ8665	66.40	0.55	14.89	2.69			0.00	0.41	0.21	0.20	11.69		0.00	0.31
869033	KQ8666	76.69	0.23	6.86	6.30			0.00	0.40	0.05	0.07	4.51		0.10	0.07
869035	KQ8667	68.19	0.31	14.60	2.52			0.01	0.67	0.15	0.18	9.47		0.40	0.23
869036	KQ8668	84.59	0.14	5.65	2.53			0.03	0.31	1.49	0.07	1.36		1.10	0.27
869038	KQ8669A	55.40	0.51	18.00	8.13			0.20	2.95	3.33	4.73	2.40		0.30	0.38
869039	KQ8669B	58.00	0.43	15.69	6.17	2.16	3.59	0.38	2.82	6.17	2.81	2.15	2.79	2.09	0.31
869040	KQ8669C	50.59	0.54	17.50	6.32			0.28	2.07	5.67	4.88	2.77		3.70	0.34
869042	KQ8670A	62.09	0.44	12.80	4.55	0.44	3.70	0.12	1.00	5.86	3.39	2.16	2.00	4.30	0.11
869043	KQ8670B	68.69	0.28	12.60	4.65			0.01	0.44	0.12	0.25	8.60		0.00	0.10
869044	KQ8670C	68.80	0.28	13.19	3.98			0.05	0.28	0.55	5.09	3.10		0.50	0.09
869045	KQ8671	66.40	0.52	14.80	3.52			0.01	0.57	0.10	2.47	7.73		1.00	0.05
869046	KQ8672A	44.79	0.07	2.55	32.00			0.02	0.18	0.34	0.01	0.91		0.30	0.10

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869048	KQ8672B	50.59	0.34	14.00	5.65			0.31	1.80	9.50	2.14	3.96		7.30	0.25
869049	KQ8673	49.09	0.41	13.69	6.53			0.55	2.26	7.17	0.05	4.55		5.59	0.30
869050	KQ8674	62.50	0.52	15.39	6.17			0.05	2.50	0.17	0.21	3.63		0.10	0.12
869051	KQ8675A	74.30	0.47	11.39	4.17			0.00	0.40	0.05	0.23	3.14		0.10	0.10
869052	KQ8675	62.00	0.67	17.50	7.19			0.01	1.69	0.10	0.49	4.26		0.30	0.10
869053	KQ8675B	71.80	0.20	7.63	10.50			0.00	0.46	0.10	0.10	2.14		0.00	0.05
869054	KQ8676	71.09	0.46	13.00	4.55			0.00	0.52	0.33	0.25	3.28		0.00	0.25
869055	KQ8676A	81.59	0.25	12.10	0.40	0.40		0.00	0.09	0.21	0.40	2.26	2.00	0.10	0.18
869056	KQ8676B	71.40	0.40	13.39	5.71			0.00	0.46	0.14	0.28	3.26		0.10	0.11
869058	KQ8677	55.59	0.49	16.89	7.50			0.46	2.91	4.44	0.21	3.46		3.40	0.43
869059	KQ8678	57.20	0.25	17.70	3.70			0.37	0.95	4.92	0.46	4.71		3.90	0.23
869060	KQ8678A	66.69	0.28	17.70	4.11			0.11	1.00	1.16	0.69	4.48		0.50	0.25
869062	KQ8679	60.70	0.47	15.19	8.18			0.40	2.96	1.20	3.50	1.96		0.80	0.37
869063	KQ8680	71.59	0.33	13.89	4.94			0.01	0.66	0.20	0.27	3.60		0.00	0.17
869064	KQ8681	73.40	0.38	13.10	4.09			0.03	0.75	0.51	0.20	4.15		0.20	0.11
869065	KQ8682	76.50	0.31	12.00	2.99			0.00	0.34	0.05	0.20	3.22		0.00	0.10
869066	KQ8682A	70.90	0.31	13.19	6.15			0.00	0.62	0.03	0.23	3.07		0.00	0.05
869068	KQ8682B	67.00	0.41	17.29	5.13			0.00	0.38	0.05	0.31	4.26		0.00	0.09
869069	KQ8683	75.19	0.31	10.50	5.11			0.00	0.50	0.11	0.15	3.13		0.00	0.07
869070	KQ8684	79.90	0.20	10.39	2.27	0.00	2.50	0.00	0.31	0.05	0.20	2.41	2.29	0.10	0.10
869071	KQ8685	79.90	0.17	6.71	6.28			0.00	0.15	0.03	0.12	1.79		0.20	0.07
869072	KQ8686	57.20	0.66	18.79	9.89	2.90	6.30	0.15	2.03	0.57	0.30	3.70	4.30	0.40	0.46
869073	KQ8687	67.30	0.31	9.32	11.89			0.01	0.82	0.07	0.31	1.82		0.00	0.07
869074	KQ8688A	57.09	0.75	16.20	6.17			0.07	1.55	1.74	3.55	8.93		0.89	0.33
869075	KQ8688B	55.09	0.43	14.69	6.21			0.15	1.38	3.93	0.27	11.69		2.40	0.43
869076	KQ8689	77.90	0.03	10.39	0.89	0.60	0.30	0.02	0.18	0.77	1.10	7.51	0.40	0.80	0.00
869078	KQ8689A	72.00	0.11	12.39	1.89	1.29	0.50	0.05	0.20	1.51	2.29	7.63	0.40	1.29	0.03
869079	KQ8689B	71.19	0.31	9.00	3.59	2.09	1.39	0.11	1.17	3.49	1.39	4.71	1.00	2.79	0.25
869080	KQ8689C	71.09	0.05	13.39	1.20	0.69	0.50	0.05	0.50	1.08	1.89	8.97	0.50	1.29	0.00
869082	KQ8690A	72.19	0.15	13.19	1.86	0.51	1.20	0.00	0.17	0.12	4.34	5.28	0.60	0.20	0.01
869083	KQ8690B	75.69	0.10	12.19	0.89	0.60	0.20	0.02	0.10	0.15	1.50	8.65	0.50	0.10	0.02
869084	KQ8690C	62.40	0.17	18.10	2.29	1.29	0.89	0.03	0.41	0.93	4.59	8.68	0.89	1.00	0.07
869085	KQ8690D	66.40	0.10	17.10	1.87	0.09	1.60	0.02	0.30	0.20	3.90	9.69	0.80	0.10	0.07
869086	KQ8691	62.59	0.11	18.39	1.50	0.60	0.80	0.03	0.40	1.11	3.70	10.06	0.80	1.00	0.03
869088	KQ8691A	54.79	0.07	13.89	7.80			0.05	0.66	1.70	2.96	7.90		1.20	0.10







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879503	KQ8712	59.70	0.62	17.70	5.90	0.89	4.50	0.15	2.75	2.19	5.59	1.22	2.70	0.69	0.28
879504	KQ8713A	55.79	0.57	16.39	4.80	4.80		0.23	2.23	6.57	0.20	3.75		5.00	0.20
879505	KQ8713B	56.59	0.12	4.50	1.50	1.50		0.68	0.25	17.69	0.10	1.10		14.60	0.05
879506	KQ8713C	74.90	0.49	12.39	4.00	4.00		0.00	0.43	0.15	0.10	3.41		0.00	0.11
879508	KQ8713D	56.79	0.58	16.79	4.40	0.60	3.40	0.23	2.22	6.82	0.30	3.52	3.79	5.09	0.20
879509	KQ8713E	57.40	0.57	16.60	5.19	5.19		0.25	3.52	4.53	0.30	2.97		3.29	0.20
879510	KQ8713F	55.29	0.52	12.50	6.40	6.40		0.40	2.63	7.01	0.10	2.61		6.80	0.21
879512	KQ8713G	56.29	0.67	17.00	7.09	0.80	5.59	0.23	4.48	4.13	0.10	2.96	4.80	2.90	0.27
879513	KQ8713H	72.09	0.57	16.00	2.29	1.00	1.10	0.00	0.52	0.20	0.10	5.09	2.59	0.10	0.23
879514	KQ8714A	62.59	0.52	14.69	4.69	1.20	3.20	0.28	1.03	3.77	0.10	4.42	2.59	2.79	0.23
879515	KQ8714B	53.59	0.44	12.50	8.39	8.39		1.03	1.62	6.76	0.10	3.01		5.80	0.18
879516	KQ8715	47.20	1.85	13.19	11.80	5.00	6.09	0.23	6.21	9.06	2.90	2.38	2.59	1.60	0.79
879518	KQ8716A	58.90	0.62	16.89	5.69	4.69	0.89	0.10	0.75	4.38	0.60	5.59	2.59	3.20	0.28
879519	KQ8716B	61.00	0.62	17.20	5.80	3.59	1.89	0.18	2.46	1.92	6.50	1.41	1.89	1.10	0.27
879520	KQ8717	63.00	0.51	17.20	5.19	4.80	0.30	0.11	1.22	3.76	1.89	2.90	2.50	1.60	0.18
879522	KQ8718	65.09	0.50	16.00	5.19	3.50	1.60	0.11	2.29	3.21	2.09	2.33	2.79	0.40	0.17
879523	KQ8719A	64.69	0.54	17.60	5.69	5.00	0.69	0.07	1.89	1.15	1.00	3.82	3.29	0.00	0.18
879524	KQ8719B	62.09	0.60	18.60	6.30	4.80	1.29	0.07	2.36	2.47	4.30	0.80	3.00	0.10	0.20
879525	KQ8719C	55.50	0.80	19.39	7.50	7.00	0.50	0.18	0.95	3.61	3.29	3.50	2.59	2.09	0.31
879526	KQ8720A	60.59	0.56	16.10	5.30	3.59	1.60	0.20	1.01	5.01	0.50	3.90	3.00	3.70	0.25
879528	KQ8721	50.90	0.74	20.00	8.10	8.10		0.12	1.34	3.45	0.40	4.01		2.29	0.31
879529	KQ8721A	57.50	0.51	15.50	4.90	4.90		0.46	1.11	5.21	0.20	4.15		4.59	0.20
879530	KQ8722	57.40	0.54	16.70	4.50	0.50	3.59	0.17	1.78	4.78	0.10	6.13	3.20	3.59	0.20
879532	KQ8722A	60.20	0.46	16.70	4.59	1.39	2.90	0.15	1.25	4.19	2.09	3.56	2.90	3.09	0.20
879533	KQ8723	58.40	0.40	17.00	4.59	0.00	4.30	0.05	2.23	3.16	3.40	2.98	2.90	2.79	0.31
879534	KQ8723A	55.50	1.12	19.39	7.30	1.50	5.19	0.14	3.19	1.77	5.90	1.89	3.40	0.60	0.85
879535	KQ8724A	9.89	0.03	0.89	0.60	0.60		0.18	15.90	30.29	0.00	0.00	1.10	42.09	0.10
879536	KQ8724B	50.00	0.56	12.89	5.09	0.89	3.79	0.14	4.01	9.97	4.50	1.00	2.40	9.60	0.17
879538	KQ8725A	55.20	0.67	17.60	12.00	2.09	8.89	0.10	4.46	0.73	0.20	3.53	5.59	1.10	0.46
879539	KQ8725B	57.29	0.52	16.39	8.80	2.40	5.80	0.15	5.48	1.00	4.59	1.71	4.00	0.40	0.33
879540	KQ8725C	53.00	0.66	16.39	8.80	1.79	6.30	0.12	6.01	2.78	3.09	3.20	4.50	1.89	0.34
879542	KQ8726A	52.20	0.67	14.69	9.19	1.39	7.00	0.11	7.11	4.36	1.29	2.94	4.59	3.00	0.38
879543	KQ8726B	42.70	0.44	12.39	7.30	7.30		0.21	0.81	15.71	0.00	3.57		12.00	0.30
879544	KQ8726C	69.09	0.40	8.60	7.40	7.40		0.01	0.75	1.58	0.50	3.22		0.60	0.17
879545	KQ8727	56.59	0.63	18.29	8.10	1.60	5.90	0.09	3.14	2.44	1.89	3.28	4.19	1.29	0.55

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879546	KQ8728	57.59	0.74	13.80	6.40	1.00	4.90	0.10	2.66	5.03	5.19	0.52	2.70	6.30	0.18
879548	KQ8728A	58.70	0.55	14.39	7.30	0.89	5.80	0.12	3.18	4.23	3.59	1.38	3.40	4.00	0.18
879549	KQ8729	56.79	0.40	14.50	4.19	0.80	3.00	0.18	1.67	8.39	0.20	3.50	3.09	6.40	0.18
879550	KQ8729A	58.00	0.44	16.50	4.50	4.50		0.14	1.44	5.80	2.50	3.25	2.90	4.30	0.20
879552	KQ8730	59.70	0.56	17.60	6.30	2.50	3.40	0.15	2.26	4.19	5.09	1.85	2.29	0.50	0.21
879553	KQ8732	56.40	0.46	15.10	5.50	0.60	4.40	0.17	1.92	7.05	2.29	2.81	2.90	5.40	0.18
879554	KQ8733	54.59	0.50	15.89	5.59	1.79	3.40	0.17	2.17	7.01	0.89	4.53	3.29	5.30	0.20
879555	KQ8733A	55.70	0.28	5.59	3.00	3.00		0.46	0.57	16.06	0.50	1.51		12.69	0.12
879556	KQ8733B	58.50	0.43	16.20	4.30	0.69	3.20	0.14	1.36	5.59	3.09	2.99	2.79	4.30	0.20
879558	OKQ8734A	64.40	0.49	14.10	5.00	0.89	3.70	0.09	1.17	4.15	3.40	1.89	2.40	3.29	0.10
879559	KQ8734B	67.09	0.28	14.30	2.79	0.40	2.20	0.05	1.21	3.69	3.59	2.18	2.09	2.90	0.10
879560	KQ8735	60.29	0.57	17.00	5.30	0.89	4.00	0.23	1.66	4.55	5.40	2.05	2.00	0.89	0.23
879562	KQ8736A	34.90	0.56	15.50	7.80	0.80	6.30	0.27	4.44	12.05	0.20	4.86	2.50	16.70	0.40
879563	KQ8736B	48.20	0.02	0.60	8.60	8.60		0.56	4.19	13.44	0.69	0.07		19.10	0.02
879564	KQ8737	52.29	0.64	14.60	9.30	4.40	4.40	0.17	5.13	8.00	1.70	5.01	2.50	1.20	0.40
879565	KQ8738	57.50	0.30	12.39	2.79	2.79		0.33	1.15	9.32	1.60	2.95		8.39	0.10
879566	KQ8739	59.50	0.50	16.00	4.50	1.10	3.00	0.14	1.17	4.86	1.70	3.82	3.00	3.29	0.17
879568	KQ8739A	63.09	0.50	16.79	4.80	3.29	1.29	0.15	1.59	3.55	4.50	2.75	2.00	0.50	0.17
879569	KQ8740	61.70	0.63	18.29	6.19	4.80	1.29	0.20	1.26	2.48	5.09	2.11	2.00	0.10	0.18
879570	KQ8741	58.70	0.68	18.79	5.80	5.59	0.20	0.20	0.80	4.63	4.69	2.69	1.70	1.10	0.28
879572	KQ8741A	57.20	0.61	16.60	5.40	4.69	0.60	0.20	1.35	6.21	0.40	4.53	2.59	4.30	0.25
879573	KQ8742A	73.69	0.33	14.39	1.79	1.79		0.02	0.46	0.55	1.50	3.81		0.30	0.01
879574	KQ8742B	65.09	0.62	17.70	5.80	5.80		0.07	0.87	0.54	0.10	5.11		0.10	0.37
879575	KQ8742C	77.80	0.17	10.89	3.00	3.00		0.00	0.49	0.10	0.10	4.59		0.20	0.07
879576	KQ8742D	72.30	0.37	14.10	3.20	3.20		0.00	0.57	0.14	0.10	6.94		0.10	0.09
879578	KQ8743	58.59	0.55	16.39	4.80	1.20	3.20	0.18	1.62	4.78	2.50	3.95	2.90	3.50	0.23
879579	KQ8744A	73.09	0.43	11.39	3.00	3.00		0.15	1.66	1.12	2.50	2.93		0.80	0.18
879580	KQ8744B	52.20	0.98	19.00	8.00	8.00		0.12	2.71	1.73	2.70	6.15		0.10	0.43
879582	KQ8744C	54.20	0.81	17.70	6.80	6.80		0.28	2.68	4.96	3.59	3.42		1.29	0.37
879583	KQ8744D	56.50	0.70	15.50	6.00	6.00		0.28	1.76	5.82	4.50	2.49		2.50	0.31
879584	KQ8745A	60.09	0.41	17.29	4.40	4.40		0.05	1.62	2.30	4.40	4.73		0.50	0.28
879585	KQ8745B	70.50	0.36	15.50	3.00	3.00		0.00	0.73	0.23	3.00	4.36		0.10	0.09
879586	KQ8746	22.29	0.11	3.00	2.90	2.90		1.15	0.57	34.13	0.50	0.91		28.50	0.03
879588	KQ8747A	55.59	0.52	16.79	6.00	6.00		0.07	1.70	2.24	1.89	6.09		1.29	0.18
879589	KQ8747B	64.30	0.25	12.60	3.40	3.40		0.17	1.58	2.15	1.20	3.31		1.70	0.09

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
879590	KQ8747C	17.29	0.07	1.39	1.50	1.50		1.44	0.43	40.88	0.00	0.33		34.50	0.00
879592	KQ8747D	59.09	0.51	14.69	6.19	6.19		0.23	2.50	3.59	2.70	2.99		2.70	0.11
879593	KQ8747E	81.30	0.10	2.59	3.70	0.50	2.90	0.14	1.11	5.34	0.69	0.07	0.89	4.00	0.03
879594	KQ8747F	52.20	0.99	15.50	7.69	7.69		0.15	1.28	5.59	2.79	7.03		1.89	0.61
879595	KQ8749A	64.69	0.55	18.00	5.19	4.00	1.10	0.07	1.50	1.32	3.90	2.58	2.40	0.10	0.20
879596	KQ8749B	56.70	0.44	15.00	5.19	1.29	3.50	0.10	1.87	8.56	0.50	3.07	3.20	5.50	0.15
879598	KQ8750A	32.70	0.23	6.00	3.90	1.70	2.00	0.28	1.00	28.78	1.00	0.50	1.50	23.89	0.51
879599	KQ8750B	55.09	0.89	17.89	8.89	1.60	6.59	0.12	5.26	2.31	4.40	0.49	4.50	0.80	0.20
879600	KQ8750C	42.90	0.68	14.00	7.19	1.29	5.30	0.25	3.29	14.42	3.09	0.74	3.00	10.39	0.20
879602	KQ8751A	72.90	0.38	11.89	5.30	5.30		0.00	0.60	0.20	0.00	4.09		0.10	0.18
879603	KQ8751B	95.40	0.05	2.20	1.20	0.50	0.69	0.00	0.11	0.07	0.00	0.62	0.50	0.00	0.01
879604	KQ8752A	57.59	0.50	16.20	4.19	4.19		0.11	1.91	3.00	0.20	8.14		2.20	0.18
879605	KQ8752B	64.00	0.54	16.29	5.30	5.30		0.00	0.85	0.31	0.10	7.21		0.00	0.18
879606	KQ8753A	57.59	0.50	15.69	4.69	4.69		0.18	2.04	5.86	1.29	3.44		4.59	0.17
879608	KQ8753B	59.00	0.57	17.10	5.19	0.30	4.40	0.15	2.18	4.01	0.80	4.00	3.40	2.90	0.18
879609	KQ8753C	58.59	0.54	16.50	5.19	1.20	3.59	0.15	1.88	5.21	3.59	2.57	2.59	3.50	0.18
879610	KQ8753D	62.59	0.49	16.00	3.40	3.40		0.10	1.61	4.00	0.30	3.79		3.00	0.17
879612	KQ8753E	60.09	0.55	17.10	4.40	0.30	3.70	0.15	1.94	2.95	3.40	3.88	2.40	3.09	0.18
879616	KQ8754D	58.40	0.52	16.60	4.40	4.40		0.14	1.49	3.54	3.29	4.98		2.00	0.18
879618	KQ8754E	59.79	0.56	17.89	4.00		3.79	0.12	1.63	2.97	2.70	5.01	2.50	2.09	0.20
879619	KQ8755	55.40	0.43	13.60	5.19	0.89	3.90	0.11	2.72	8.18	3.40	1.60	2.79	6.40	0.14
879620	KQ8755A	56.90	0.60	15.19	5.80	1.00	4.30	0.10	2.77	5.82	2.09	2.45	3.50	4.69	0.21
879622	KQ8756	57.40	0.50	16.29	7.09	0.80	5.69	0.07	2.05	3.70	1.89	2.57	3.59	4.90	0.52
879623	KQ8757	56.09	0.44	16.50	4.69	0.69	3.59	0.18	1.32	7.48	0.10	4.17	3.29	5.80	0.20
879624	KQ8758	53.70	1.85	15.50	8.19	3.00	4.69	0.10	3.09	6.01	4.09	1.82	2.79	1.89	0.73
879625	KQ8759	58.50	0.41	15.50	4.09	0.50	3.20	0.20	1.57	6.57	0.10	4.28	3.20	5.09	0.18
879626	KQ8760	57.90	0.52	16.50	5.69	0.80	4.40	0.18	2.27	4.25	1.39	3.98	3.40	3.09	0.21
879628	KQ8761	78.40	0.27	9.00	4.09	4.09		0.00	0.47	0.25	1.70	2.48		0.00	0.17
879629	KQ8762	64.50	0.49	14.80	4.59	1.10	3.20	0.10	2.56	2.43	3.70	2.33	2.50	2.00	0.11
879630	KQ8763A	71.09	0.37	12.89	3.00	3.00		0.00	0.23	0.00	0.10	8.80		0.10	0.23
879632	KQ8763B	74.90	0.38	11.50	3.40	3.40		0.00	0.61	0.10	0.00	5.61		0.10	0.15
879633	KQ8763C	93.30	0.07	2.20	1.10		2.00	0.00	0.09	0.00	0.20	0.82	0.50	0.10	0.05
879634	KQ8763D	71.00	0.37	14.10	1.29	0.00	1.39	0.00	0.20	0.20	0.20	10.53	0.89	0.00	0.17
879635	KQ8763E	57.79	0.68	18.70	5.69	0.69	4.50	0.15	1.96	3.46	4.59	3.55	2.09	0.20	0.28
879636	KQ8763F	72.50	0.25	14.39	1.89		2.79	0.03	0.91	0.97	4.40	3.16	1.20	0.10	0.07



Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
879638	KQ8764A	68.19	0.43	15.10	3.09	0.10	2.70	0.05	1.12	1.29	5.30	2.35	1.50	1.50	0.15
879639	KQ8764B	54.40	0.51	16.89	7.09	1.20	5.30	0.11	3.08	3.55	3.59	4.57	2.90	2.40	0.44
879640	KQ8765A	66.09	0.40	14.50	2.09		2.29	0.05	0.95	3.93	3.79	2.34	1.70	2.79	0.09
879642	KQ8765B	71.09	0.25	13.89	1.10	0.00	1.20	0.02	0.83	2.83	2.59	3.00	1.70	2.20	0.09
879643	KQ8765C	40.50	0.37	10.10	6.50	6.50		0.30	7.40	8.27	0.10	2.59		11.39	1.03
879644	KQ8766A	70.00	0.34	12.19	5.19	5.19		0.11	0.82	1.67	1.39	6.61		0.10	0.28
879645	KQ8767A	43.40	0.00	0.50	24.39	24.39		0.00	0.05	0.05	0.00	0.14		0.00	0.00
879646	KQ8767B	43.00	0.58	11.50	11.19	11.19		0.34	5.03	13.52	0.89	4.34		3.29	0.37
879648	KQ8767C	44.00	0.58	13.60	15.39	15.39		0.49	4.01	10.25	1.10	3.95		0.10	0.40
879649	KQ8767D	85.50	0.05	1.20	0.69	0.69		0.05	0.10	3.16	0.80	0.31		2.70	0.01
879650	KQ8767E	51.79	0.76	15.10	8.30	1.60	6.00	0.18	6.98	6.34	3.20	3.50	3.20	1.10	0.43
879652	KQ8767F	47.00	0.80	16.00	10.39	2.90	6.69	0.15	6.73	7.23	1.89	4.07	4.30	0.80	0.40
879653	KQ8768A	54.70	0.49	17.20	7.19	1.50	5.19	0.18	3.45	3.53	4.80	3.66	2.90	1.60	0.38
879654	KQ8768B	59.09	0.52	16.29	6.40	0.60	5.19	0.12	2.76	3.77	5.09	2.23	2.29	0.80	0.37
879655	KQ8768C	56.59	0.51	16.79	7.59	2.29	4.69	0.18	3.74	4.94	3.00	2.96	3.20	0.69	0.41
879656	KQ8768D	53.29	0.50	15.39	7.80	1.00	6.09	0.15	3.45	5.88	2.09	3.57	3.79	3.90	0.43
879658	KQ8769	60.20	0.60	17.10	5.30	1.29	3.59	0.17	1.47	3.45	4.19	4.17	2.09	1.20	0.23
879659	KQ8769A	58.40	0.63	16.89	5.59	2.50	2.79	0.17	1.63	4.78	4.59	2.92	2.29	2.29	0.25
879660	KQ8770	72.59	0.25	13.50	2.70	0.60	1.89	0.05	0.95	1.80	2.50	2.38	2.09	1.39	0.07
879662	KQ8771	51.20	0.79	15.69	8.10	1.39	6.09	0.30	3.65	6.80	0.40	3.75	4.19	5.09	0.37
879663	KQ8772	53.59	2.01	13.50	15.19	2.29	11.60	0.21	3.57	2.50	0.60	3.96	4.19	1.50	0.41
879664	KQ8772A	48.90	0.75	13.19	9.39	1.50	7.09	0.20	4.88	8.32	2.00	3.20	3.90	5.69	0.41
879665	KQ8773	61.50	0.56	15.10	4.80	0.00	4.50	0.07	2.46	3.41	1.70	3.92	3.00	3.79	0.28
879666	KQ8773A	57.09	0.51	13.10	4.40	4.40		0.10	2.07	7.23	3.70	2.07	2.29	6.80	0.34
879668	OKQ8774A	55.09	0.40	16.70	6.69	1.20	4.90	0.15	2.92	4.61	2.79	3.84	3.20	3.09	0.25
879669	KQ8774B	56.90	0.62	17.00	6.30	1.60	4.19	0.20	2.04	6.40	3.59	3.30	2.20	1.39	0.30
879670	KQ8774C	57.20	0.61	17.00	6.59	1.29	4.80	0.17	2.15	5.69	3.59	3.89	2.09	0.80	0.28
879672	KQ8774	58.70	0.58	16.70	5.90	1.29	4.19	0.14	2.10	3.54	4.40	3.48	2.50	2.09	0.25
879673	KQ8775A	52.29	0.69	18.00	9.00	9.00		0.10	3.83	4.73	4.59	2.94		0.10	0.40
879674	KQ8775B	52.59	0.69	15.30	9.69	9.69		0.12	3.67	5.07	3.00	5.71		0.10	0.52
879675	KQ8776A	54.90	0.70	15.19	6.69	6.69		0.14	3.91	5.55	2.50	6.86		0.40	0.40
879676	KQ8776B	59.00	0.68	16.79	4.19	0.10	3.70	0.07	2.73	4.11	3.50	6.07	1.89	0.30	0.31
879678	KQ8776C	63.40	0.38	16.00	3.70	0.50	2.90	0.05	1.26	2.21	3.09	5.90	1.60	0.30	0.15
879679	KQ8776D	63.20	0.38	16.10	4.09	0.50	3.20	0.07	1.13	2.60	4.00	5.19	1.39	1.00	0.15
879680	KQ8777A	47.29	0.69	15.69	7.00	7.00		0.17	1.52	6.17	1.29	8.36		4.30	0.37

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2O t pct	CO2 t pct	P2O5 pct
879682	KQ8777B	55.00	0.58	16.79	6.00	0.80	4.69	0.07	4.05	2.85	3.40	5.90	2.70	1.39	0.21
879683	KQ8777C	56.70	0.55	13.80	3.90	0.30	3.29	0.07	2.21	6.15	2.70	6.19	1.60	4.09	0.27
879684	KQ8777D	62.20	0.40	17.20	3.29	0.10	2.90	0.05	1.25	2.01	3.90	6.51	1.29	0.10	0.27
879685	KQ8778	60.40	0.51	15.39	3.90	1.10	2.50	0.14	1.44	5.21	3.40	3.70	2.00	3.50	0.20
879686	KQ8779	54.90	0.56	16.70	6.90	6.90		0.07	2.16	4.09	1.70	5.51		2.70	0.34
879688	KQ8779A	56.20	0.54	16.50	6.09	1.10	4.50	0.10	2.42	4.67	3.00	4.13	2.79	3.09	0.31
879689	KQ8780A	71.50	0.46	9.10	4.00	4.00		0.05	0.72	2.73	2.90	0.76		7.19	0.09
879692	KQ8781	41.29	1.25	10.19	12.50	12.50		0.18	4.34	14.17	0.10	0.64		10.50	0.23
879693	KQ8781A	53.59	1.60	14.19	14.19	14.19		0.09	4.32	2.51	1.79	0.93		1.50	0.40
879694	KQ8781B	41.20	1.59	12.89	11.30	1.89	8.50	0.18	3.28	12.36	3.70	0.05	3.70	9.39	0.25
879695	KQ8782	71.00	0.75	12.69	5.30	1.00	3.90	0.05	0.38	1.72	4.80	0.76	1.70	0.89	0.28
879696	KQ8783A	81.09	0.18	8.50	3.79	0.50	3.00	0.03	1.67	0.41	2.50	0.36	1.70	0.00	0.00
879698	KQ8783B	82.69	0.10	8.50	1.70	0.60	1.00	0.01	2.31	0.50	0.60	0.40	2.59	0.10	0.00
879699	KQ8783C	74.19	0.58	10.80	4.80	3.59	1.10	0.03	1.75	1.77	2.59	0.67	1.89	0.20	0.09
879700	KQ8784	62.29	0.49	15.80	5.59	0.40	4.69	0.07	2.91	1.30	0.80	3.84	3.09	4.09	0.15
879702	KQ8785A	49.50	0.87	19.70	7.90	5.40	2.20	0.11	3.50	6.86	4.19	2.47	4.09	0.10	0.40
879703	KQ8785B	44.40	0.69	15.30	6.69	1.70	4.50	0.11	3.91	14.18	4.40	0.73	3.29	5.90	0.28
879704	KQ8785C	54.29	0.86	16.60	5.50	1.50	3.59	0.10	3.17	6.76	5.69	2.50	2.29	1.70	0.41
879705	KQ8785D	51.90	0.81	17.10	7.59	2.40	4.69	0.14	3.73	7.57	5.30	1.44	3.20	1.29	0.38
879706	KQ8785E	48.59	0.89	16.00	8.10	1.60	5.90	0.12	4.05	9.55	4.80	0.93	3.40	4.00	0.41
879708	KQ8785F	46.70	0.97	17.00	9.00	1.89	6.40	0.15	7.63	7.73	3.09	1.62	4.40	1.50	0.52
879709	KQ8786	42.79	1.02	17.39	9.60	2.00	6.80	0.17	8.36	8.56	3.20	0.14	6.00	2.50	0.56
879710	KQ8787A	40.20	0.31	11.30	1.79		2.29	0.11	0.87	20.67	1.89	1.78	1.79	17.89	0.07
879712	KQ8787B	53.90	0.62	16.39	6.69	6.69		0.03	1.86	5.19	1.10	3.23		7.00	0.18
879713	KQ8787C	39.00	0.46	10.39	1.50		1.70	0.05	0.47	23.17	3.20	1.27	1.10	18.50	0.30
879714	KQ8788A	63.09	0.40	17.70	4.30	0.89	3.09	0.05	2.01	2.20	3.20	2.93	2.90	0.60	0.17
879715	KQ8788B	60.29	0.64	15.50	7.69	1.50	5.59	0.15	2.30	3.70	3.59	1.14	3.29	1.70	0.21
879716	KQ8788C	55.70	0.70	17.89	6.69	2.20	4.09	0.14	2.29	5.61	2.59	4.90	2.50	0.20	0.27
879718	KQ8788D	55.50	0.80	17.10	9.60	1.20	7.59	0.17	4.40	1.22	0.40	5.15	4.69	1.39	0.18
879719	KQ8789A	63.40	0.51	15.80	4.50	4.50		0.07	2.17	1.84	4.69	2.30		1.29	0.11
879720	KQ8789B	76.80	0.23	11.69	4.09	4.09		0.00	0.50	0.10	0.10	3.52		0.10	0.07
879722	KQ8789C	61.70	0.38	16.89	5.00	5.00		0.09	2.39	1.69	4.90	2.30		1.10	0.27
879723	OKQ8790	66.90	0.46	15.39	5.90	5.90		0.00	0.94	0.10	0.30	4.69		0.00	0.01
879724	KQ8791	65.80	0.56	16.00	6.09	6.09		0.00	0.68	0.20	0.40	4.32		0.00	0.00
879725	KQ8791A	70.80	0.55	17.29	0.80	0.69	0.10	0.00	0.73	0.00	0.20	5.30	3.00	0.00	0.23

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
879726	KQ8792	58.59	0.38	17.39	5.09	1.70	3.09	0.15	2.17	3.75	4.80	2.64	2.29	1.29	0.25
879728	KQ8792A	70.90	0.49	16.00	2.00	2.00		0.00	1.00	0.14	4.40	2.40		0.00	0.03
879729	KQ8792B	68.00	0.43	15.80	1.70	1.70		0.02	1.17	1.92	3.59	3.14		1.29	0.10
879730	KQ8792C	63.70	0.56	16.20	4.19	4.19		0.05	2.01	1.87	4.00	4.32		0.00	0.10
879732	KQ8792D	53.29	0.28	13.30	6.69	6.69		0.33	1.89	9.10	4.40	0.85		5.19	0.10
879733	KQ8793	47.70	1.09	15.30	10.80	3.50	6.59	0.23	8.51	7.15	3.70	1.65	3.20	0.30	0.37
879734	KQ8794	57.40	0.66	17.79	6.69	3.29	3.09	0.31	2.17	5.59	3.79	2.86	2.59	0.00	0.30
879735	KQ8795	68.19	0.68	17.70	1.10	0.20	0.80	0.09	0.93	1.23	1.39	5.15	2.50	0.80	0.15
879736	KQ8795A	59.00	0.64	16.00	7.30	7.30		0.07	1.30	2.59	0.10	5.67		1.70	0.21
879738	KQ8795B	56.40	0.58	14.39	4.90	4.90		0.15	1.41	6.59	4.30	3.15		4.69	0.14
879739	KQ8795C	92.69	0.01	1.20	0.10	0.10		0.07	0.00	2.19	0.20	0.12	0.20	1.79	0.00
879740	KQ8795D	39.59	0.11	2.40	5.90	5.90		0.14	0.50	24.87	0.30	0.46		20.00	0.05
879742	KQ8795E	50.70	0.10	3.20	17.50	17.50		0.18	0.72	4.59	0.80	0.93		3.79	0.05
879743	KQ8796	58.20	0.50	17.50	5.90	0.69	4.69	0.10	2.24	3.25	7.59	0.69	2.09	1.79	0.25
879744	KQ8796A	53.29	0.87	17.10	8.39	6.69	1.50	0.20	3.06	6.09	4.59	2.44	2.70	0.89	0.37
879745	KQ8796B	56.59	0.43	16.00	7.30	1.70	5.00	0.15	2.67	3.94	5.50	1.34	2.50	3.90	0.30
879746	KQ8796C	55.20	0.50	10.69	8.30	8.30		0.18	4.26	9.56	1.20	3.48		4.30	0.23
879749	KQ8797	50.79	0.77	15.19	10.39	2.29	7.30	0.18	5.50	7.42	3.79	1.87	2.90	1.00	0.40
879750	KQ8797A	48.90	0.76	15.50	10.69	10.69		0.17	5.13	10.51	3.50	1.00		0.20	0.37
879752	KQ8797B	49.70	0.82	15.00	11.69	3.09	7.80	0.18	7.78	5.05	2.79	2.18	4.09	0.69	0.37
879753	KQ8797C	55.29	0.68	15.19	7.00	1.10	5.30	0.12	3.78	4.76	3.59	3.46	3.00	2.90	0.34
879754	KQ8798	51.90	0.68	15.80	10.10	2.70	6.59	0.18	5.23	7.15	3.29	2.41	3.09	0.20	0.40
879755	KQ8799	48.79	0.75	15.00	10.69	10.69		0.18	6.44	6.55	1.79	3.66		1.20	0.36
879756	KQ87100	52.90	0.74	18.20	9.39	2.00	6.59	0.12	4.82	2.30	4.50	3.55	3.79	0.10	0.47
879758	KQ87100A	47.29	0.81	15.39	10.80	2.40	7.59	0.20	5.94	5.76	2.79	2.64	4.50	3.09	0.38
879759	KQ87100B	48.09	0.68	15.39	10.30	1.89	7.50	0.20	8.01	6.69	1.89	2.67	4.30	1.50	0.33
879760	KQ87100C	46.90	0.72	15.19	9.30	2.29	6.30	0.20	5.21	7.44	1.20	4.17	4.30	5.09	0.36
879762	KQ87101	48.90	0.72	16.10	10.60	1.79	8.00	0.18	6.59	5.03	2.20	4.76	3.90	1.39	0.31
879763	KQ87102	56.40	0.69	13.30	7.69	0.80	6.19	0.11	2.77	7.05	0.30	3.11	3.50	5.69	0.38
879764	KQ87103	45.29	1.12	13.30	11.50	2.70	7.90	0.23	4.32	8.34	3.00	2.15	3.29	6.80	0.57
879765	KQ87104	52.20	0.91	16.00	8.30	2.00	5.69	0.12	4.34	5.01	5.00	1.87	3.09	3.09	0.33
879766	KQ87104A	55.29	0.41	17.50	4.50	0.60	3.50	0.15	2.97	3.51	3.40	7.01	2.20	2.59	0.25
879768	KQ87104B	42.59	0.76	15.19	12.50	2.79	8.80	0.21	5.96	7.96	1.29	5.05	4.19	3.70	0.68
879769	KQ87104C	48.40	0.80	17.50	9.69	5.19	4.00	0.20	5.40	10.28	4.09	0.34	3.09	0.10	0.63
879770	KQ87105	49.50	0.50	15.39	6.30	0.89	4.90	0.14	3.44	7.96	3.29	4.53	2.59	5.50	0.31

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
879772	KQ87105A	47.90	0.68	16.00	8.60	1.79	6.09	0.18	3.36	7.44	2.90	4.34	3.50	4.80	0.60
879773	KQ87105B	49.50	0.56	13.10	9.50	9.50		0.15	4.32	6.36	1.60	5.28		4.30	0.31
879774	KQ87106	73.09	0.11	12.19	2.40	0.50	1.70	0.03	0.28	0.14	0.50	9.43	0.89	0.10	0.02
879775	KQ87106A	62.90	0.40	16.89	4.19	0.50	3.29	0.02	1.10	0.37	2.09	9.23	1.60	0.10	0.20
879776	KQ87106B	53.90	0.46	14.89	15.89	15.89		0.03	0.70	0.95	2.79	7.73		0.10	0.40
879778	KQ87106C	69.80	0.14	14.39	2.09	1.39	0.69	0.02	0.20	0.82	3.40	8.13	0.50	0.40	0.05
879779	KQ87106D	61.59	0.47	17.39	4.69	0.60	3.70	0.07	2.25	0.83	5.30	5.15	1.79	0.00	0.36
879780	KQ87106E	73.59	0.07	13.50	0.89		1.29	0.00	0.00	0.09	2.59	8.52	0.30	0.10	0.01
879782	KQ87106F	69.59	0.23	13.39	4.00	2.50	1.29	0.05	0.56	0.62	2.40	8.38	0.60	0.10	0.12
879783	KQ87106G	61.09	0.52	16.20	6.40	6.40		0.05	2.18	0.87	5.59	3.63		0.10	0.46
879784	KQ87107	66.69	0.10	17.29	1.29	0.69	0.50	0.02	0.14	0.15	4.19	9.15	0.60	0.10	0.02
879785	KQ87107A	73.00	0.07	12.69	1.29	0.69	0.50	0.03	0.18	1.22	3.70	6.03	0.40	0.89	0.00
879786	KQ87107B	71.50	0.07	15.19	0.40	0.10	0.30	0.00	0.01	0.14	3.90	8.35	0.30	0.10	0.00
879788	KQ87108	55.00	0.56	15.50	6.40	2.29	3.70	0.09	1.78	6.07	2.20	5.38	2.29	4.00	0.28
879789	KQ87108A	55.70	0.99	15.19	8.50	2.29	5.59	0.11	4.59	5.98	3.50	2.50	2.59	0.20	0.18
879790	KQ87108B	53.50	0.60	16.50	7.00	3.29	3.40	0.10	1.69	5.32	2.90	4.80	2.29	4.00	0.34
879792	KQ87109	60.59	0.41	17.70	4.50	0.40	3.70	0.07	2.14	2.33	4.40	4.78	2.09	0.89	0.40
879793	KQ87110	53.40	0.40	15.10	8.69	8.69		0.09	0.98	5.23	0.10	6.59		3.59	0.34
879794	KQ87110A	41.29	0.05	5.69	15.30	15.30		0.34	3.85	11.43	0.00	0.52		9.69	0.07
879796	KQ87111	56.20	0.47	17.00	4.09	0.89	2.90	0.11	1.88	5.80	1.89	4.19	3.00	4.00	0.34
879798	KQ87112	57.09	0.57	14.39	5.59	0.10	5.00	0.18	2.96	6.13	2.79	2.36	3.00	5.19	0.31
879799	KQ87109A	37.79	0.31	10.39	3.09	2.70	0.30	0.37	1.22	21.34	1.10	4.46	1.50	16.29	0.23
879800	KQ87113	51.50	0.44	14.89	7.09	7.09		0.15	2.77	7.38	2.90	3.82		5.00	0.31
879802	KQ87113A	53.29	0.54	17.00	6.09	0.60	5.00	0.12	3.09	6.17	3.20	2.70	3.29	4.19	0.38
879803	KQ87114	53.50	0.58	14.60	8.00	8.00		0.14	5.63	5.11	2.90	5.21		1.10	0.34
879804	KQ87114A	50.20	0.40	10.80	12.89	12.89		0.28	1.87	6.51	0.00	4.01		4.69	0.21
879805	KQ87114B	57.09	0.44	16.60	5.69	5.69		0.12	2.53	3.30	3.20	5.30		1.89	0.27
879806	KQ87114C	57.29	0.44	16.10	9.10	9.10		0.17	1.49	2.78	0.00	6.92		1.79	0.31
879808	KQ87114D	52.59	0.47	15.60	6.19	6.19		0.17	2.52	5.63	3.40	5.94		4.09	0.28
879809	KQ87114E	47.20	0.66	15.30	15.80	15.80		0.31	6.32	1.64	0.00	3.70		0.60	0.30
879810	KQ87115A	91.90	0.37	3.79	0.50	0.40	0.10	0.00	0.10	0.00	0.00	1.17	0.80	0.00	0.01
879812	KQ87115B	60.70	0.51	17.10	5.69	5.69		0.00	0.43	0.18	0.20	10.85		0.10	0.23
879813	KQ87115C	75.90	0.37	13.00	1.70		2.09	0.00	0.51	0.18	0.20	5.03	2.20	0.10	0.14
879814	KQ87115D	54.59	0.57	21.29	5.40	5.40		0.01	0.68	0.49	0.60	10.53		0.10	0.25
879815	KQ87116	52.40	0.99	18.00	10.19	4.00	5.59	0.20	4.03	3.51	4.30	3.00	3.40	0.20	0.44

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
879816	KQ87115E	91.30	0.40	2.29	2.90	2.90		0.00	0.03	0.10	0.00	0.60		0.10	0.00
879818	KQ87115F	95.19	0.05	2.29	0.80		1.50	0.00	0.10	0.00	0.00	0.64	0.50	0.10	0.05
879819	KQ87117A	88.00	0.28	7.19	1.10	0.89	0.20	0.00	0.14	0.00	0.10	2.03	1.20	0.20	0.07
879820	KQ87117B	60.40	0.68	17.10	6.90	1.29	5.00	0.18	1.36	3.64	0.40	3.46	3.90	2.59	0.28
879822	KQ87118	64.69	0.70	18.00	4.30	4.30		0.01	0.75	0.37	0.20	4.88		0.00	0.28
879823	KQ87119	56.70	0.75	18.70	10.89	4.80	5.50	0.14	3.60	0.82	1.39	2.00	5.19	0.50	0.17
879824	KQ87119A	55.29	0.63	16.70	7.30	1.00	5.59	0.15	2.08	6.00	1.60	2.71	3.59	4.50	0.25
879825	KQ87119B	51.79	0.95	20.20	10.39	1.50	8.00	0.17	2.36	3.61	1.60	2.75	4.69	2.40	0.49
879826	KQ87119C	54.29	0.93	19.79	8.00	1.00	6.30	0.15	2.27	3.40	3.50	2.33	3.79	2.29	0.23
879828	KQ87120	55.59	0.56	14.80	7.50	0.89	5.90	0.25	0.89	7.46	1.29	2.58	3.00	5.69	0.23
879829	KQ87121	87.30	0.15	5.69	2.09	2.09		0.00	0.23	0.14	0.00	1.71		0.00	0.05
879830	KQ87121A	71.30	0.01	0.60	11.80	11.80		0.00	0.10	0.00	0.10	0.09		0.00	0.00
879842	KQ87124	72.40	0.17	15.00	1.70	0.40	1.20	0.11	0.50	0.81	4.30	3.80	1.29	0.30	0.05
879843	KQ87125	63.79	0.63	17.50	5.40	5.40		0.03	0.60	1.73	3.09	3.06		0.00	0.28
879844	KQ87126	58.50	0.60	17.20	6.30	1.70	4.09	0.33	1.62	4.38	2.79	3.30	3.00	2.59	0.23
879845	KQ87127	56.50	0.40	16.10	10.19	10.19		0.05	1.03	1.62	0.10	5.28		0.80	0.31
879846	KQ87127A	74.00	0.07	2.70	2.40	2.40		0.15	0.14	5.17	1.29	0.75		4.19	0.05
879848	KQ87127B	85.90	0.10	3.90	1.70	1.70		0.10	0.30	2.47	0.10	1.16		2.00	0.05
879849	KQ87127C	53.50	0.46	16.39	7.30	7.30		0.10	0.82	4.46	0.60	6.75		3.20	0.34
879850	KQ87127D	84.90	0.09	2.50	1.20	1.20		0.12	0.11	2.68	0.30	0.70		2.09	0.09
879852	KQ87127E	59.29	0.31	12.19	4.59	4.59		0.44	1.25	7.44	0.00	4.59		5.90	0.23
879853	KQ87128	52.40	0.40	15.19	7.19	7.19		0.18	2.02	6.46	1.10	5.25		4.90	0.27
879854	KQ87128A	61.00	0.41	16.70	6.80	6.80		0.03	1.55	0.76	0.10	6.82		0.00	0.31
879855	KQ87129	54.29	0.55	17.79	6.80	6.80		0.20	2.85	3.03	2.00	7.19		1.70	0.28
879856	KQ87129A	63.70	0.34	14.60	3.50	3.50		0.14	1.53	3.65	0.10	6.46		2.29	0.25
879858	KQ87129B	58.70	0.38	16.79	5.59	5.59		0.14	2.01	2.67	4.59	4.57		1.50	0.30
879859	KQ87131	65.59	0.51	16.20	6.00	6.00		0.00	0.68	0.30	0.10	5.61		0.00	0.18
879860	KQ87131A	65.69	0.54	16.39	4.30	4.30		0.01	0.82	0.28	0.10	7.92		0.00	0.17
879862	KQ87131B	62.29	0.40	12.10	9.60	9.60		0.00	0.57	1.83	0.00	5.61		0.10	1.46
879863	KQ87131C	57.90	0.51	16.29	5.40	5.40		0.14	1.28	3.75	3.50	4.65		3.50	0.18
879864	KQ87132	58.70	0.52	16.10	5.00	0.40	4.09	0.14	1.96	4.40	2.79	3.54	2.79	3.29	0.18
879865	KQ87132A	68.40	0.49	16.00	3.79	3.79		0.00	0.62	0.38	0.20	5.76		0.10	0.17
879868	KQ87133	71.80	0.34	10.60	4.00	4.00		0.05	0.60	2.10	0.40	3.19		1.50	0.11
879869	KQ87135	56.20	0.43	16.10	4.50	1.10	3.09	0.15	1.60	6.76	1.29	3.98	3.09	5.19	0.18
879870	KQ87136	74.90	0.44	12.69	2.09	0.10	1.79	0.00	0.54	0.09	0.10	6.55	1.79	0.20	0.01

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
879872	KQ87136A	60.90	0.60	15.80	4.19	0.00	3.79	0.07	2.69	2.00	3.29	3.45	2.79	3.79	0.20
879873	KQ87137	56.79	0.50	16.10	5.80	1.10	4.19	0.18	2.23	5.48	3.20	2.75	3.00	3.90	0.20
879874	KQ87138	84.69	0.23	7.90	2.50	2.50		0.00	0.46	0.00	0.10	3.09		0.10	0.00
879875	KQ87139	75.09	0.28	9.69	6.40	6.40		0.03	0.62	0.64	0.20	2.73		0.30	0.07
879876	KQ87139A	57.79	0.60	18.00	6.40	6.40		0.11	2.29	1.24	4.59	4.78		0.00	0.34
879878	KQ87139B	54.50	0.57	15.69	5.80	5.80		0.18	1.50	5.55	4.09	3.31		3.70	0.34
879879	KQ87139C	57.40	0.62	17.70	6.30	6.30		0.18	2.24	2.59	5.30	3.10		0.80	0.34
879880	KQ87140	65.90	0.41	16.50	3.29	3.29		0.01	1.45	0.37	2.40	4.44		0.10	0.18
879882	KQ87140A	53.79	0.62	16.89	6.69	6.69		0.12	2.47	4.07	3.70	3.97		2.40	0.34
879883	KQ87140B	60.50	0.63	17.60	4.09	4.09		0.10	1.69	2.35	4.40	3.44		1.20	0.37
879884	KQ87140C	58.50	0.62	17.60	7.09	7.09		0.15	2.53	1.66	3.20	3.39		0.50	0.37
879885	KQ87140D	53.70	0.57	15.60	7.30	7.30		0.25	2.26	5.40	4.00	2.02		3.59	0.33
879886	KQ87140F	59.09	0.61	16.60	8.80	6.80		0.05	1.87	0.77	0.40	4.23		0.20	0.34
879888	KQ87141	60.09	0.43	15.10	7.09	7.09		0.20	1.87	2.51	3.00	3.27		1.79	0.23
879889	KQ87141A	88.00	0.21	3.00	3.50	3.50		0.05	0.20	0.80	0.00	0.98		0.40	0.02
879890	KQ87141B	57.40	0.47	14.00	9.50	9.50		0.25	1.42	2.72	1.39	4.57		1.89	0.25
879892	KQ87141C	57.70	0.55	17.70	6.80	6.80		0.12	2.25	2.20	0.20	4.57		1.50	0.25
879893	KQ87141D	49.29	0.30	10.69	19.20	19.20		0.27	1.54	2.98	0.10	2.44		2.20	0.14
879894	KQ87142	51.90	0.54	15.19	6.09	6.09		0.34	2.81	6.30	1.50	2.73		4.69	0.31
879895	KQ87142A	57.79	0.61	17.39	6.19	6.19		0.28	3.00	3.53	0.60	3.56		2.50	0.36
879896	KQ87142B	65.50	0.61	15.39	7.00	7.00		0.00	0.60	0.66	0.50	3.97		0.00	0.44
879898	KQ87142C	78.90	0.27	12.50	2.20	2.20		0.00	0.14	0.15	0.30	1.85		0.00	0.07
879899	KQ87143	57.90	0.68	18.39	7.80	7.80		0.05	2.20	0.70	0.30	4.44		0.10	0.37
879900	KQ87143A	59.90	0.61	17.50	7.90	7.90		0.15	3.36	0.61	0.30	3.50		0.10	0.34
879902	KQ87143B	58.29	0.62	17.39	7.40	7.40		0.28	4.40	1.71	0.20	3.15		0.89	0.36
879903	KQ87144	69.40	0.50	13.30	6.09	6.09		0.05	2.22	0.43	0.20	2.64		0.00	0.28
879904	KQ87144A	66.80	0.46	14.00	8.10	8.10		0.00	0.43	0.12	0.30	3.55		0.00	0.09
879905	KQ87145	66.30	0.47	13.60	7.59	7.59		0.10	1.37	0.61	0.10	2.60		0.30	0.28
879906	KQ87145A	63.20	0.61	16.70	7.30	7.30		0.07	0.93	0.83	0.30	2.10		0.30	0.37
879908	KQ87145B	64.19	0.67	17.20	6.50	6.50		0.00	1.00	0.33	0.40	3.23		0.00	0.23
879909	KQ87146	54.40	0.41	15.39	8.30	8.30		0.15	1.63	2.90	3.00	6.17		2.09	0.25
879910	KQ87148A	48.59	0.54	14.89	8.19	8.19		0.40	3.97	7.34	2.50	5.11		4.50	0.38
879912	KQ87148B	52.90	0.62	12.89	5.80	5.80		0.38	2.31	8.39	0.20	6.82		6.09	0.34
879913	KQ87150	62.09	0.70	14.30	7.80	7.80		0.00	0.44	0.09	0.10	9.31		0.00	0.02
879914	KQ87150A	83.40	0.40	7.80	3.00	3.00		0.00	0.50	0.09	0.10	3.47		0.00	0.02

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
879915	KQ87151	63.79	0.34	14.89	3.29	0.30	2.70	0.17	2.79	4.21	0.60	3.91	3.29	3.40	0.10
879916	KQ87152	68.09	0.36	13.80	4.40	4.40		0.15	1.57	1.82	1.10	3.76		1.60	0.09
879918	KQ87152A	72.59	0.28	13.10	3.29	0.80	2.20	0.12	1.25	1.11	0.30	3.86	2.70	1.10	0.07
879919	KQ87153	70.09	0.31	14.00	3.50	0.80	2.40	0.07	1.23	1.91	2.90	2.36	2.29	1.39	0.11
879920	KQ87154	55.40	0.47	14.19	4.59	0.69	3.50	0.18	2.03	8.50	1.39	2.94	3.20	7.00	0.10
879922	KQ87156	58.70	0.55	17.00	5.69	1.10	4.19	0.17	2.42	3.73	1.10	4.15	3.70	2.79	0.21
889500	KQ8825	68.69	0.43	13.39	7.09			0.00	0.56	0.49	0.10	4.05		0.20	0.31
889502	KQ8826	62.00	0.49	12.50	6.90	1.20	5.09	0.20	1.75	6.40	0.50	1.30	3.50	4.80	0.17
889503	KQ8827A	68.19	0.60	11.80	6.50	1.50	4.50	0.18	1.17	4.13	1.10	1.61	2.50	3.09	0.11
889504	KQ8827B	70.30	0.50	15.30	5.30			0.01	0.55	0.02	1.20	2.80		0.10	0.01
889505	KQ8827C	65.50	0.55	17.20	4.69			0.01	0.62	1.20	1.50	3.84		0.20	0.80
889506	KQ8827D	57.50	0.55	15.60	5.09	1.00	3.70	0.23	1.51	7.40	2.00	2.04	2.90	5.59	0.20
889507	KQ8827E	62.40	0.62	14.69	7.50	1.39	5.50	0.27	1.85	3.88	2.09	1.51	3.20	2.90	0.18
889508	KQ8827F	60.29	0.52	16.29	5.90	4.69	1.10	0.20	1.67	5.46	2.79	2.15	2.20	3.00	0.21
889509	KQ8828A	57.20	0.61	15.60	6.19	1.00	4.69	0.18	2.06	6.92	2.00	1.64	3.29	5.09	0.23
889510	KQ8828B	54.29	0.75	19.20	7.50	0.80	6.00	0.14	2.72	3.64	0.69	2.78	4.59	2.70	0.28
889511	KQ8828C	58.59	0.43	16.39	3.90			0.15	1.09	5.98	2.00	2.79		4.50	0.23
889512	KQ8828D	57.20	0.69	17.79	6.40	1.10	4.80	0.21	2.13	3.70	4.69	1.47	3.00	2.70	0.25
889513	KQ8828E	58.20	0.80	17.89	4.80	0.89	3.50	0.20	1.11	5.61	2.20	2.59	3.00	4.00	0.37
889514	KQ8828F	56.20	0.77	15.50	13.00			0.07	0.49	0.75	1.49	2.94		0.69	0.28
889515	KQ8829	89.50	0.11	4.80	1.70	0.00	2.40	0.00	0.23	0.00	0.10	1.25	1.10	0.20	0.05
889516	KQ8829A	58.59	0.68	18.79	5.30			0.11	1.74	2.47	3.29	3.71		1.79	0.31
889517	KQ8830A	72.69	0.30	15.89	2.40	1.29	1.00	0.05	0.63	0.10	0.89	4.30	2.50	0.30	0.09
889518	KQ8830B	62.59	0.44	14.69	5.19			0.10	1.83	3.97	3.29	2.10		3.20	0.11
889520	KQ8830C	71.50	0.31	15.00	2.79			0.01	1.25	0.81	4.69	1.95		0.60	0.09
889522	KQ8830D	58.90	0.57	15.80	5.50	0.89	4.09	0.15	4.84	2.54	3.90	3.79	2.90	1.89	0.23
889523	KQ8830E	67.50	0.31	14.50	3.09	0.20	2.59	0.10	1.96	3.11	1.10	3.31	2.59	2.50	0.09
889524	KQ8830F	55.29	0.62	17.29	6.19	0.80	4.90	0.15	1.79	5.73	2.50	3.11	3.00	4.40	0.20
889525	KQ8830G	72.09	0.31	14.69	1.89	0.50	1.29	0.05	0.49	1.74	3.29	2.48	1.60	1.50	0.09
889526	KQ8831A	58.20	0.58	15.69	7.19	2.90	3.90	0.23	1.37	5.30	3.09	1.84	2.59	3.90	0.25
889527	KQ8831B	51.29	0.74	17.50	5.80	1.00	4.30	0.25	2.65	7.98	3.70	1.69	3.09	5.90	0.31
889528	KQ8831C	60.50	0.83	23.29	5.00	1.29	3.29	0.05	0.56	0.02	0.69	4.78	4.09	0.20	0.07
889529	KQ8831D	55.09	0.62	16.60	7.19	1.60	5.00	0.20	2.13	6.40	0.89	3.04	3.59	4.80	0.25
889530	KQ8832	52.79	2.08	16.50	10.10	3.20	6.19	0.12	3.47	5.71	5.30	1.33	2.29	0.20	0.73
889531	KQ8833A	66.19	0.37	12.80	7.90	2.00	5.30	0.11	1.88	0.97	0.80	2.61	3.00	0.60	0.25

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2O t pct	CO2 t pct	P2O5 pct
889532	KQ8833B	88.09	0.38	6.69	1.10	0.80	0.30	0.00	0.28	0.00	0.00	2.02	1.00	0.10	0.02
889533	KQ8833C	83.30	0.20	7.59	3.50			0.00	0.51	0.10	0.30	2.42		0.00	0.11
889534	KQ8833D	90.40	0.12	4.69	1.79			0.00	0.28	0.00	0.00	1.47		0.10	0.03
889535	KQ8833E	76.09	0.40	6.73	7.00			0.01	0.37	0.40	0.11	2.26		0.00	0.25
889536	KQ8833F	74.09	0.30	11.30	6.30			0.01	0.54	0.47	0.00	3.53		0.10	0.28
889537	KQ8833G	72.09	0.33	14.19	4.40			0.03	0.83	0.51	0.40	4.28		0.10	0.25
889538	KQ8834	78.30	0.28	11.39	3.29			0.01	0.64	0.12	0.10	3.66		0.10	0.20
889540	KQ8834A	77.80	0.34	10.19	3.90			0.00	0.61	0.00	0.20	4.17		0.10	0.02
889542	KQ8836A	59.79	0.54	17.20	4.90	1.20	3.29	0.17	1.96	3.73	2.50	3.92	2.79	2.59	0.18
889543	KQ8836B	79.19	0.03	1.10	0.80	0.00	0.69	0.25	0.15	9.50	0.00	0.30	0.20	7.59	0.00
889544	KQ8836C	66.19	0.50	16.89	4.00			0.01	0.74	0.25	0.10	8.15		0.10	0.18
889545	KQ8836D	64.00	0.56	17.89	5.40	1.00	4.00	0.05	1.95	0.17	1.89	4.86	3.00	0.00	0.18
889546	KQ8836E	88.00	0.15	5.50	2.29			0.00	0.40	0.00	0.00	1.62		0.00	0.05
889547	KQ8836F	88.90	0.18	5.19	2.20			0.00	0.27	0.05	0.10	1.99		0.10	0.07
889548	KQ8836G	78.80	0.34	11.60	2.70			0.00	0.57	0.05	0.10	4.32		0.10	0.14
889549	KQ8836H	68.59	0.50	17.50	3.50			0.00	0.83	0.18	0.80	5.50		0.10	0.18
889550	KQ8836I	71.69	0.41	14.19	4.09			0.02	0.68	0.56	0.60	4.13		0.30	0.15
889551	KQ8836J	72.00	0.43	14.80	3.59			0.03	0.68	0.75	0.50	4.23		0.40	0.17
889552	KQ8836K	70.40	0.43	15.39	4.00			0.00	0.79	0.12	1.00	4.40		0.10	0.15
889553	KQ8836L	81.19	0.31	10.10	2.50			0.01	0.72	0.07	0.00	3.71		0.10	0.11
889554	KQ8837	52.29	2.08	16.29	10.30	3.00	6.59	0.15	3.66	5.19	4.90	2.56	2.20	0.69	0.72
889555	KQ8838A	66.69	0.58	18.10	3.90			0.07	1.53	0.11	0.10	5.21		0.10	0.23
889556	KQ8838B	69.59	0.49	15.80	3.29			0.01	0.74	0.37	0.10	6.55		0.10	0.18
889557	KQ8838C	59.59	0.56	17.20	5.50	0.89	4.09	0.12	2.04	2.88	2.90	4.80	2.59	2.09	0.20
889558	KQ8839A	75.69	0.28	12.60	3.00			0.02	0.69	0.75	0.10	3.97		0.20	0.12
889560	KQ8839B	70.59	0.67	15.10	5.09	0.00	4.59	0.07	1.17	0.47	1.00	3.41	2.70	0.00	0.37
889562	KQ8839C	86.00	0.12	3.20	5.69	0.00	9.19	0.00	0.17	0.00	0.20	0.87	0.69	0.10	0.12
889563	KQ8840A	72.00	0.23	14.00	2.00	0.00	2.29	0.15	0.81	1.37	0.50	5.23	1.89	1.10	0.09
889564	KQ8840B	96.30	0.58	1.20	0.30	0.00	0.30	0.01	0.10	0.43	0.00	0.18	0.20	0.60	0.00
889565	KQ8840C	77.30	0.41	12.10	3.70			0.00	0.63	0.00	0.10	3.68		0.10	0.12
889566	KQ8841A	89.69	0.12	5.09	1.70	0.00	2.00	0.00	0.34	0.00	0.20	1.62	0.89	0.00	0.03
889567	KQ8841B	92.90	0.07	3.20	1.79			0.00	0.21	0.00	0.00	0.88		0.00	0.05
889568	KQ8842	69.40	0.28	16.00	2.90	0.69	2.00	0.05	1.12	1.23	1.29	3.98	2.50	0.89	0.10
889569	KQ8843A	55.50	0.55	12.60	6.80	1.00	5.19	0.14	4.13	6.57	3.50	1.92	2.90	5.19	0.36
889570	KQ8843B	51.09	1.50	15.60	10.10	4.09	5.40	0.18	3.93	5.34	5.09	2.73	2.40	1.60	0.76



Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2O t pct	CO2 t pct	P2O5 pct
889571	KQ8843C	48.90	1.24	16.89	10.50	4.69	5.19	0.18	4.82	7.23	4.80	1.60	3.00	1.10	0.58
889572	KQ8844A	49.50	0.61	15.60	7.69	1.50	5.59	0.17	4.09	7.65	3.70	3.26	3.00	5.00	0.49
889573	KQ8844B	49.79	0.92	14.89	8.80	1.39	6.69	0.25	3.40	6.92	2.00	5.25	3.20	5.00	0.52
889574	KQ8844C	49.29	0.54	13.30	6.40	0.50	5.30	0.21	4.46	9.48	2.20	4.11	3.09	7.00	0.34
889575	KQ8844D	54.09	0.75	16.50	7.59	1.70	5.30	0.41	3.16	3.10	0.89	9.60	2.70	0.69	0.43
889576	KQ8844E	49.20	0.72	16.50	9.69	2.09	6.80	0.20	4.67	4.90	4.00	3.30	3.79	3.20	0.52
889577	KQ8844F	48.50	0.75	14.19	10.10	2.29	7.00	0.18	6.28	7.71	3.00	2.55	3.70	3.00	0.66
889578	KQ8845A	57.29	0.37	17.60	5.09	2.40	2.40	0.10	1.25	3.85	4.50	5.63	1.50	2.50	0.28
889580	KQ8845B	59.90	0.25	16.50	4.69	0.60	3.70	0.12	1.87	2.99	0.60	8.25	2.29	2.29	0.20
889582	KQ8845C	61.90	0.38	16.50	5.50	2.90	2.29	0.05	1.39	0.68	2.79	7.32	1.79	0.20	0.33
889583	KQ8846A	69.19	0.40	14.39	4.40			0.00	1.05	0.00	0.10	5.80		0.00	0.03
889584	KQ8846B	66.69	0.49	18.10	2.29			0.01	1.74	0.00	0.10	6.53		0.10	0.01
889585	KQ8846C	73.80	0.40	15.60	1.10	0.00	2.20	0.00	0.83	0.01	2.00	4.07	2.00	0.10	0.05
889586	KQ8846D	56.20	0.44	20.89	5.09			0.00	1.21	0.31	5.09	5.11		0.10	0.25
889587	KQ8846E	61.70	0.40	17.10	5.00			0.01	0.66	0.10	0.20	10.69		0.10	0.18
889588	KQ8847A	39.59	0.25	10.69	3.59			0.02	0.69	24.20	0.10	8.05		0.20	0.31
889589	KQ8847B	56.40	0.52	17.79	7.46			0.02	1.62	1.13	0.25	10.10		0.10	0.76
889590	KQ8847C	57.70	0.43	19.70	4.80			0.05	1.57	0.46	3.00	8.60		0.10	0.33
889591	KQ8847D	55.79	0.41	17.29	6.19			0.02	1.34	0.46	0.60	10.89		0.00	0.37
889592	KQ8848A	72.40	0.28	14.19	3.00			0.00	0.36	0.07	5.69	2.91		0.00	0.05
889593	KQ8848B	72.30	0.21	13.80	2.90			0.02	0.72	0.40	2.40	4.61		0.20	0.10
889594	KQ8848C	59.70	0.09	2.71	10.60			0.01	0.25	0.15	0.15	1.00		0.10	0.28
889595	KQ8848D	68.80	0.40	14.60	4.90			0.00	0.34	0.38	6.59	1.75		0.10	0.10
889596	KQ8848E	58.90	0.43	16.39	5.00			0.15	2.38	3.11	5.09	4.21		2.09	0.31
889597	KQ8849	56.70	0.46	16.79	4.90	1.29	3.20	0.15	2.49	5.61	4.90	3.39	1.89	2.20	0.33
889598	KQ8850A	72.80	0.56	15.80	3.20			0.00	0.68	0.10	0.10	4.51		0.20	0.17
889600	KQ8850B	70.30	0.57	16.10	4.19			0.01	0.73	0.20	0.10	4.80		0.20	0.17
889602	KQ8850C	82.00	0.40	9.89	2.70			0.00	0.56	0.07	0.00	3.06		0.10	0.09
889603	KQ8850D	71.30	0.51	13.80	5.90			0.00	0.50	0.31	0.10	3.80		0.10	0.31
889604	KQ8851	56.00	0.61	16.39	6.59	0.89	5.09	0.14	3.08	5.13	2.59	2.52	3.40	3.79	0.21
889605	KQ8855A	54.79	0.64	14.39	6.90	1.20	5.09	0.09	5.32	5.07	3.40	2.02	3.50	4.09	0.30
889606	KQ8855B	58.59	0.62	11.10	6.69	1.79	4.40	0.11	6.05	7.57	3.29	1.01	2.40	2.70	0.34
889607	KQ8855C	48.29	1.42	16.79	10.39	3.70	6.00	0.18	4.61	8.02	4.09	2.06	3.09	1.10	0.87
889608	KQ8855D	47.59	0.85	16.00	10.19	2.40	7.00	0.18	8.96	10.39	2.40	0.86	3.50	0.20	0.15
889609	KQ8855E	46.90	0.87	17.39	9.10	1.20	7.09	0.15	5.34	5.34	2.20	4.59	4.30	4.00	0.28

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
889610	KQ8855F	47.50	1.50	16.79	8.60	1.60	6.30	0.23	3.10	6.82	3.29	4.88	3.09	5.69	0.57
889611	KQ8856A	60.70	0.55	16.50	7.69			0.03	1.94	0.21	4.50	5.25		0.10	0.31
889612	KQ8856B	62.79	0.46	13.60	3.70	0.60	2.79	0.10	1.71	3.70	0.89	8.60	1.39	2.50	0.11
889613	KQ8856C	54.90	0.28	10.89	5.90			0.28	1.76	8.71	1.70	3.78		6.69	0.34
889614	KQ8856D	75.69	0.28	10.50	3.79	0.80	2.70	0.01	0.67	0.40	0.40	7.34	0.80	0.10	0.25
889615	KQ8857A	68.69	0.12	15.60	2.40			0.00	0.51	0.10	3.00	8.21		0.10	0.07
889616	KQ8857B	59.79	0.40	17.20	4.80	2.70	1.89	0.09	1.30	2.50	3.59	8.06	0.89	1.00	0.25
889617	KQ8857C	58.70	0.34	18.29	4.30	2.40	1.70	0.10	0.75	2.70	4.80	6.88	0.89	1.89	0.20
889618	KQ8857D	63.40	0.43	15.39	6.40			0.05	0.73	0.66	3.79	7.13		0.20	0.34
889620	KQ8857E	62.09	0.37	14.80	4.59	1.20	3.09	0.10	2.29	2.77	1.60	7.76	1.70	1.89	0.33
889622	KQ8858A	65.80	0.34	16.29	3.79	1.50	2.09	0.09	1.37	0.82	3.40	6.80	1.29	0.30	0.17
889623	KQ8858B	65.40	0.34	16.50	2.70	1.29	1.29	0.07	1.11	1.79	4.09	5.94	1.10	1.00	0.17
889624	KQ8858C	62.90	0.37	17.60	3.40	2.09	1.20	0.07	1.32	2.19	4.59	5.40	1.20	0.69	0.18
889625	KQ8858D	63.40	0.37	17.10	3.20	2.09	1.00	0.05	1.15	2.00	4.19	5.36	1.50	1.39	0.18
889626	KQ8859A	55.09	0.41	15.19	8.19			0.18	2.96	2.80	2.20	6.50		1.89	0.36
889627	KQ8859B	56.79	0.40	15.00	5.59			0.17	3.02	4.26	1.29	6.80		3.00	0.31
889628	KQ8860A	74.59	0.28	12.00	3.70	0.30	3.09	0.07	1.75	0.93	2.00	1.98	2.00	0.80	0.03
889629	KQ8860B	74.50	0.18	10.50	2.29	1.70	0.50	0.01	5.26	0.00	0.40	3.30	3.09	0.10	0.01
889630	KQ8860C	50.20	0.81	15.80	9.50	1.79	6.90	0.23	3.92	6.23	4.19	2.50	3.29	3.90	0.34
889631	KQ8860D	49.70	0.83	15.80	10.89	4.50	5.80	0.21	4.48	9.10	3.09	2.11	2.90	1.60	0.31
889632	KQ8860E	52.90	0.75	17.29	8.60	2.40	5.59	0.18	3.98	3.69	5.19	2.55	3.29	2.29	0.36
889633	KQ8860F	52.09	0.86	16.39	9.10	3.70	4.90	0.18	3.98	5.96	4.69	1.76	2.90	2.50	0.34
889634	KQ8861	68.69	0.58	13.19	5.40	1.10	3.90	0.10	2.30	0.43	2.40	3.16	2.50	1.20	0.31
889635	KQ8862A	58.70	0.62	16.10	10.10			0.09	1.46	0.50	0.15	5.13		0.10	0.36
889636	KQ8862B	53.90	0.80	17.79	9.69			0.21	4.94	0.20	0.50	4.73		0.10	0.40
889637	KQ8862C	57.29	0.76	17.20	8.10			0.07	4.28	0.28	2.29	3.78		0.10	0.20
889638	KQ8862D	59.40	0.46	18.60	6.30			0.02	2.58	0.23	1.29	5.34		0.00	0.34
889640	KQ8862E	60.90	0.52	16.89	8.63			0.00	0.88	0.20	0.23	5.11		0.10	0.28
889642	KQ8863A	61.79	0.62	18.89	5.90	3.00	2.59	0.05	1.65	0.31	4.59	3.15	2.79	0.30	0.23
889643	KQ8863B	51.09	0.87	14.60	12.69			0.95	7.13	1.36	0.30	3.97		0.20	0.49
889644	KQ8863C	51.00	0.62	16.00	8.00	2.40	5.00	0.57	4.55	5.59	2.40	3.96	3.50	3.70	0.50
889645	KQ8864A	54.70	0.43	15.69	6.90	1.29	5.00	0.15	3.11	4.46	1.00	5.71	3.29	5.00	0.41
889646	KQ8864B	51.20	0.83	14.00	9.30	1.60	6.90	0.17	3.01	6.53	2.40	4.13	2.90	5.19	0.64
889647	KQ8864C	53.40	0.76	14.50	7.00	1.20	5.19	0.11	4.61	4.55	1.39	6.09	3.20	3.70	0.36
889648	KQ8866	57.79	0.62	17.39	5.59			0.07	2.25	4.92	3.59	4.65		0.00	0.31

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
889649	KQ8867	39.50	0.52	12.10	6.50			0.11	1.47	2.80	0.68	5.48		0.40	0.50
889651	KQ8866B	52.20	0.54	15.39	9.19	1.39	7.00	0.28	5.26	4.82	3.20	2.75	3.70	2.90	0.34
889652	KQ8867A	54.59	0.68	17.89	5.30	0.00	5.09	0.10	2.65	3.35	2.09	8.73	2.00	0.69	0.50
889653	KQ8867B	54.29	0.64	15.89	7.00			0.18	3.50	6.65	2.90	5.82		0.30	0.37
889654	KQ8867C	46.79	1.02	17.39	12.39			0.28	4.94	6.92	2.79	3.15		0.40	0.47
889655	KQ8868A	61.40	0.33	17.20	3.70	0.80	2.59	0.07	2.38	2.78	4.69	5.17	1.39	0.69	0.31
889656	KQ8868B	46.90	0.82	15.60	9.80			0.25	4.19	7.59	3.20	3.11		4.59	0.50
889657	KQ8869A	50.00	0.67	14.10	8.69	1.50	6.50	0.21	4.98	7.65	3.40	3.01	2.90	4.50	0.56
889658	KQ8870A	56.20	0.56	15.19	5.00			0.07	2.23	5.51	3.20	5.86		3.79	0.31
889660	KQ8870B	51.29	0.69	16.89	6.30			0.11	2.14	6.05	2.29	4.50		4.00	0.34
889662	KQ8870C	56.79	0.93	15.60	8.39	2.40	5.40	0.11	4.51	5.59	4.09	2.08	2.40	0.20	0.18
889663	KQ8870D	52.50	0.69	13.50	9.60			0.07	2.91	5.11	0.40	9.02		2.50	0.40
889664	KQ8870E	57.09	0.40	17.79	4.50			0.07	2.63	3.83	2.50	7.84		1.20	0.37
889665	KQ8870F	53.70	0.66	13.39	9.60			0.10	2.52	4.36	0.50	8.23		2.40	0.37
889666	KQ8870G	52.09	0.70	13.60	10.39			0.14	4.17	4.51	1.29	6.65		1.79	0.41
889667	KQ8870H	54.70	0.73	14.10	7.30	0.60	6.00	0.15	5.19	5.48	2.40	5.65	2.20	1.70	0.43
889668	KQ8871A	52.50	0.85	15.50	8.50			0.09	2.88	5.38	2.29	7.25		1.00	0.34
889669	KQ8871B	56.40	0.50	17.89	4.69			0.03	1.39	5.55	4.30	2.96		3.70	0.23
889670	KQ8871C	57.09	0.55	14.39	4.40			0.07	2.00	7.03	1.79	6.61		4.69	0.30
889671	KQ8871D	56.29	0.40	17.20	5.50	1.20	3.90	0.15	2.32	4.90	5.00	3.11	2.09	2.50	0.38
889672	KQ8871E	64.30	0.64	16.39	4.40	2.29	1.89	0.05	1.96	3.48	1.10	5.11	2.50	1.29	0.34
889673	KQ8871F	49.70	0.41	3.50	8.50	3.70	4.30	0.15	15.60	21.20	0.10	0.00	0.69	0.20	0.00
889674	KQ8872A	57.70	0.46	17.10	4.80	2.70	1.89	0.07	1.12	4.69	4.69	5.15	1.20	3.00	0.23
889675	KQ8872B	55.00	0.40	15.00	4.50	0.89	3.20	0.23	2.71	6.84	2.20	5.67	2.29	5.00	0.20
889676	KQ8872C	59.40	0.50	17.20	1.79	0.60	1.10	0.07	1.14	4.42	2.79	8.07	1.20	3.09	0.25
889677	KQ8872D	61.20	0.34	16.89	3.79	1.89	1.70	0.07	1.11	2.95	4.69	5.38	1.20	2.00	0.18
889678	KQ8872E	55.50	0.40	15.69	5.19			0.18	1.89	5.30	1.70	7.36		3.90	0.27
889680	KQ8872F	59.29	0.38	13.30	7.50			0.09	1.73	2.07	1.10	7.32		4.09	0.31
889682	KQ8872G	53.79	0.43	15.69	9.60			0.09	2.82	2.14	2.50	8.01		1.10	0.40
889683	KQ8873A	54.09	0.46	16.29	7.19			0.09	4.03	2.66	3.29	6.98		1.89	0.37
889684	KQ8873B	57.40	0.47	17.29	6.80			0.07	2.85	0.47	1.39	9.69		0.10	0.41
889685	KQ8873C	60.20	0.49	17.00	6.30			0.03	1.70	0.49	2.79	8.11		0.10	0.44
889687	KQ8873E	57.50	0.56	16.79	4.69	0.40	3.90	0.07	1.87	1.58	4.80	5.40	0.89	3.79	0.25
889688	KQ8874A	63.70	0.49	15.89	3.79			0.07	0.94	1.02	1.89	8.61		0.69	0.10
889689	KQ8874B	94.09	0.05	1.70	1.89	0.60	1.20	0.05	0.18	0.20	0.00	0.79	0.30	0.20	0.01

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
889690	KQ8874C	66.19	0.07	14.89	1.79			0.12	0.55	2.91	0.69	10.00		2.50	0.01
889691	KQ8874D	64.80	0.12	18.10	2.40	0.20	2.00	0.00	1.00	0.00	2.50	8.89	1.29	0.10	0.02
889692	KQ8874E	61.20	0.38	17.29	2.40			0.17	0.74	1.97	2.50	9.50		1.50	0.34
889593	KQ8874F	55.09	0.40	11.89	6.09			0.28	1.91	6.59	3.09	4.92		7.19	0.15
889594	KQ8874G	55.50	0.30	9.69	8.00	5.90	1.89	0.23	3.04	8.09	0.80	6.55	1.00	6.50	0.05
889695	KQ8874H	41.20	0.21	8.71	27.10			0.05	0.87	0.79	0.20	6.09		0.69	0.11
889696	KQ8875A	85.30	0.17	5.69	4.69			0.00	0.25	0.00	0.10	1.57		0.10	0.05
889597	KQ8875B	86.50	0.09	3.29	6.00			0.00	0.12	0.00	0.10	0.69		0.10	0.00
889598	KQ8875G	83.19	0.11	3.90	4.80			0.01	0.37	0.15	0.10	0.93		0.10	0.14
889700	KQ8875D	69.80	0.31	7.82	8.72			0.01	0.44	0.74	0.33	1.99		0.10	0.64
889702	KQ8875E	66.90	0.10	4.57	16.60			0.01	0.36	0.43	0.20	1.23		0.10	0.52
889703	KQ8876A	60.09	0.52	14.10	5.30	1.10	3.79	0.21	1.82	7.92	0.69	2.10	3.20	0.20	0.20
889704	KQ8876B	64.90	0.37	18.00	5.50			0.00	0.50	0.11	3.20	3.39		0.10	0.27
889705	KQ8876C	85.00	0.20	7.00	3.09			0.00	0.25	0.46	0.10	1.87		0.20	0.61
889706	KQ8876D	76.40	0.40	11.60	4.69			0.00	0.44	0.00	0.10	3.29		0.10	0.05
889707	KQ8877A	56.79	0.91	19.10	7.90			0.11	1.35	2.03	2.40	3.76		1.00	0.37
889708	KQ8877B	84.50	0.20	6.59	2.40	1.20	1.10	0.05	0.40	0.43	0.10	1.95	1.39	0.40	0.07
889709	KQ8877C	62.00	0.37	13.19	4.09	0.80	3.00	0.15	1.37	6.82	2.70	2.00	2.29	5.19	0.09
889710	KQ8878	86.00	0.05	1.89	5.40			0.00	0.28	0.00	0.00	0.49		0.20	0.01
889711	KQ8879A	57.59	0.57	17.70	6.40			0.07	2.75	2.72	6.80	2.27		1.29	0.25
899505	KQ89040A	52.09	0.95	17.39	10.69	7.50	2.90	0.31	5.36	3.99	1.00	1.83	4.69	1.70	0.44
899506	KQ89040B	65.90	0.31	14.89	4.50	0.80	3.29	0.10	0.97	3.34	4.59	1.46	2.00	2.09	0.11
899507	KQ89040C	61.20	0.88	14.89	8.10			0.01	0.68	1.27	2.40	3.97		0.50	0.31
899508	KQ89042	44.70	2.00	12.30	12.50	4.69	7.08	0.25	10.69	10.50	0.50	0.54	5.30	0.60	0.89
899509	KQ89042B	60.09	0.56	16.20	4.69	0.30	4.00	0.05	1.44	7.50	3.79	0.49	3.20	6.50	0.18
899510	KQ89042C	59.20	0.58	16.20	5.40	2.40	2.70	0.12	1.54	5.76	3.09	4.28	2.00	1.10	0.20
899511	KQ89042D	61.20	0.62	17.89	5.80	1.39	4.00	0.05	1.57	3.09	6.80	0.30	2.29	0.30	0.20
899512	KQ890043	2.90	0.07	0.60	0.30	0.00	1.39	0.23	0.56	52.20	0.30	0.00	0.50	42.29	0.23
899513	KQ89044A	59.00	0.55	17.20	5.30	0.69	4.09	0.17	2.66	4.03	4.09	1.25	3.29	2.50	0.18
899514	KQ89044B	60.90	0.62	18.10	6.69	1.29	4.90	0.20	2.52	1.53	2.70	2.68	3.59	0.60	0.14
899515	KQ89044C	63.59	0.56	16.20	5.59	4.80	0.69	0.12	2.19	2.27	4.09	2.29	2.29	0.50	0.15
899516	KQ89044D	58.20	0.70	19.10	7.00	5.90	1.00	0.18	1.66	3.60	2.70	3.35	2.59	0.89	0.28
899517	KQ89044E	57.90	0.63	17.10	5.69	5.59	0.10	0.50	1.42	4.53	3.40	3.21	2.09	2.59	0.27
899518	KQ89045A	89.59	0.02	0.89	4.90			0.00	0.12	0.03	0.00	0.17		0.10	0.01
899519	KQ89045B	84.30	0.12	4.00	2.70			0.05	0.25	1.89	0.00	1.50		1.50	0.07

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
899520	KQ89045C	62.90	0.68	18.29	5.00			0.00	0.95	0.00	0.10	6.90		0.10	0.02
899522	KQ89045D	76.59	0.41	11.69	3.20			0.01	0.75	0.05	0.00	4.96		0.00	0.10
899523	KQ89045E	87.19	0.00	0.67	7.75			0.02	0.02	0.72	0.01	0.10		0.40	0.11
899524	KQ89045F	80.40	0.25	8.19	4.09			0.03	0.61	0.43	0.00	2.70		0.20	0.10
899525	KQ89045G	73.50	0.43	12.30	3.90			0.01	0.75	0.20	0.10	5.28		0.00	0.12
899526	KQ89046	76.40	0.27	10.00	5.09			0.00	0.43	0.23	0.10	2.68		0.00	0.21
899527	KQ89047A	57.79	0.52	16.29	4.30			0.05	2.00	4.69	3.29	3.18		3.20	0.18
899528	KQ89047B	77.50	0.15	5.00	2.29			0.15	0.37	5.96	0.00	1.44		4.59	0.05
899529	KQ89047G	80.00	0.20	6.09	3.00			0.05	0.56	2.48	0.00	1.98		1.79	0.07
899530	KQ89047D	72.80	0.37	11.69	4.30			0.01	0.68	0.68	0.10	4.78		0.30	0.14
899531	KQ89047E	37.00	0.10	3.00	1.10	0.00	1.70	0.69	0.34	30.29	0.00	0.95	0.69	23.70	0.03
899532	KQ89047F	55.90	0.55	16.60	5.19			0.11	1.96	4.96	0.10	6.11		3.59	0.18
899533	KQ89047G	60.90	0.12	4.00	1.79			0.34	0.38	15.69	0.00	1.20		12.19	0.05
899534	KQ89047H	71.40	0.33	9.30	4.69			0.07	0.72	2.76	0.00	2.92		2.20	0.10
899535	KQ89047I	59.20	0.54	16.89	4.59			0.15	2.07	3.15	4.19	3.17		2.00	0.18
899536	KQ89047J	78.40	0.27	8.50	3.70			0.00	0.43	0.47	0.00	3.73		0.30	0.10
899537	KQ89048A	62.50	0.62	17.89	3.70			0.00	0.68	0.11	0.10	9.44		0.00	0.14
899538	KQ89048B	65.69	0.60	16.00	4.30			0.02	1.37	0.11	0.30	6.42		0.00	0.14
899539	KQ89048C	64.50	0.57	17.89	3.90	0.30	3.20	0.01	0.87	0.17	0.10	8.72	2.70	0.10	0.20
899540	KQ89048D	79.40	0.31	9.80	2.50			0.00	0.34	0.09	0.10	5.36		0.10	0.10
899542	KQ89048E	83.90	0.21	5.30	3.90			0.05	0.31	0.60	0.00	1.94		0.30	0.10
899543	KQ89049A	62.29	0.60	16.00	4.90			0.10	0.91	3.14	0.20	4.26		2.40	0.25
899544	KQ890050	70.80	0.31	14.19	1.50	0.00	1.39	0.00	0.62	0.17	1.00	7.73	1.29	0.00	0.20
899545	KQ89050B	53.40	0.62	17.29	8.30			0.12	3.58	2.24	4.80	3.66		1.20	0.46
899546	KQ89051A	45.29	0.40	11.00	17.39			0.50	4.69	5.65	1.25	2.19		3.90	0.23
899547	KQ89051B	65.90	0.34	14.80	6.00			0.03	1.23	0.11	3.00	5.13		0.00	0.10
899548	KQ89051C	56.40	0.70	18.79	7.30			0.14	2.54	0.27	1.60	8.39		0.00	0.25
899549	KQ89051D	68.50	0.33	12.80	3.20			0.63	0.82	2.70	3.90	2.16		2.40	0.11
899550	KQ89052A	49.79	0.58	16.70	7.59			0.68	2.90	4.94	0.89	5.13		3.59	0.44
899551	KQ89053A	50.70	0.79	17.39	10.60			0.17	4.65	3.96	1.20	5.94		0.30	0.31
899552	KQ89054A	0.00	0.00	0.00	0.01			0.00	0.00	0.23	0.15	0.00		0.10	0.31
899553	KQ89055A	3.90	0.01	0.89	1.29	0.00	2.00	0.20	1.03	50.29	0.00	0.25	0.40	41.00	0.02
899554	KQ89055A	61.50	0.58	15.30	3.09	0.69	2.20	0.09	2.76	4.67	1.20	4.51	2.90	3.00	0.31
899555	KQ89056A	54.00	0.55	17.39	7.00	2.09	4.40	0.21	3.98	4.51	3.00	3.35	3.40	1.50	0.41
899556	KQ89056B	54.29	0.55	17.29	6.59	1.79	4.30	0.18	3.97	7.09	3.40	2.20	2.79	1.29	0.43

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
899557	KQ89056C	56.00	0.51	17.60	6.50	3.09	3.09	0.10	3.71	5.69	3.20	3.92	2.29	0.20	0.43
899558	KQ89056D	52.29	0.51	16.39	6.19			0.15	3.32	5.96	1.00	5.92		4.00	0.40
899559	KQ89056E	47.09	0.81	17.00	8.39	1.20	6.50	0.20	4.59	6.13	3.90	3.30	3.50	3.79	0.28
899560	KQ89056F	43.59	0.62	14.19	10.50			0.21	4.03	9.60	1.29	4.21		5.59	0.23
899562	KQ89056G	50.09	0.58	17.00	10.50			0.63	4.07	5.09	0.10	4.34		3.29	0.46
899563	KQ89056H	58.79	0.62	15.50	5.69	0.50	4.69	0.15	2.61	4.44	3.59	2.25	2.79	3.40	0.20
899564	KQ89057A	54.70	0.73	21.89	4.59	0.80	3.40	0.09	1.98	1.08	3.40	6.32	3.09	0.40	0.40
899565	KQ89057B	63.70	0.37	16.10	4.00			0.05	1.66	1.91	3.90	3.10		1.10	0.27
899566	KQ89057C	59.40	0.43	15.30	5.00			0.05	1.74	2.91	1.10	6.34		3.79	0.25
899567	KQ89057D	62.29	0.34	16.20	3.70	0.50	2.90	0.05	1.12	2.08	3.00	6.34	1.60	1.50	0.15
899568	KQ89057E	59.20	0.36	15.60	4.00			0.09	1.87	4.44	1.60	4.90		4.00	0.23
899569	KQ89057F	76.09	0.43	11.80	3.29			0.01	0.74	0.05	0.10	4.96		0.30	0.10
899570	KQ89057G	56.29	0.43	14.89	4.09			0.09	1.74	8.05	2.50	3.26		5.50	0.27
899571	KQ89057H	50.00	0.77	17.29	10.60			0.17	4.63	3.93	1.20	5.94		0.30	0.31
899572	KQ89058A	53.09	0.56	17.20	5.19	0.50	4.19	0.15	1.65	7.40	2.50	3.85	2.70	5.30	0.30
899573	KQ890059	85.19	0.14	6.50	1.50	0.40	1.00	0.05	0.37	0.47	0.10	3.63	0.89	0.20	0.18
899574	KQ89060A	61.09	0.33	16.79	3.50	1.70	1.60	0.15	1.03	2.80	4.30	5.17	1.50	1.89	0.17
899575	KQ89060B	61.09	0.33	17.10	3.70	2.00	1.50	0.07	1.03	3.34	5.00	5.01	1.10	1.39	0.18
899576	KQ89060C	63.59	0.25	15.80	3.20	1.39	1.60	0.07	0.93	2.00	3.40	7.32	1.10	1.29	0.15
899577	KQ89061A	55.90	0.56	16.79	5.90	0.60	4.80	0.10	3.34	2.43	2.90	6.21	2.59	1.50	0.28
899578	KQ89061B	48.79	0.52	15.30	13.30			0.18	4.05	2.58	1.00	7.36		1.60	0.31
899579	KQ89062A	59.40	0.34	16.39	4.00	2.09	1.70	0.09	0.98	3.07	4.30	6.48	1.20	2.00	0.21
899580	KQ89062B	64.90	0.31	15.00	3.40	0.69	2.40	0.12	1.94	1.73	3.20	6.17	1.70	1.29	0.18
899582	KQ89062C	57.59	0.40	16.70	5.50	2.90	2.29	0.11	1.77	4.07	4.00	6.42	1.29	1.79	0.25
899583	KQ89062D	60.20	0.41	17.00	3.79	2.00	1.60	0.07	0.93	2.95	4.50	5.94	1.29	1.89	0.20
899584	KQ89063A	53.29	0.68	16.10	6.19	1.50	4.19	0.09	2.97	4.61	3.50	5.51	2.29	2.79	0.60
899585	KQ89063B	57.70	0.56	15.10	7.40	3.09	3.90	0.07	3.65	2.73	2.79	5.51	2.40	0.89	0.40
899586	KQ89063C	56.00	0.67	14.69	10.30			0.10	3.39	1.23	2.59	5.32		0.20	0.46
899587	KQ89064A	49.00	0.75	18.70	9.80	4.00	5.19	0.14	4.34	4.86	3.29	4.36	3.59	0.50	0.57
899588	KQ89065A	48.40	0.66	15.60	7.30	1.10	5.59	0.18	3.41	7.28	3.29	4.55	2.90	5.19	0.43
899589	KQ89065B	51.59	0.56	17.39	7.19	1.29	5.30	0.25	3.25	3.75	2.90	6.67	2.90	2.50	0.30
899590	KQ89065C	45.50	1.45	15.89	12.19	2.00	9.19	0.25	7.03	5.57	2.50	3.11	4.80	2.09	0.95
899591	KQ89066A	51.09	0.89	12.60	8.60	1.39	6.50	0.18	6.88	9.31	3.40	2.17	2.50	1.79	0.50
899592	KQ89066B	59.20	0.43	18.29	4.50	0.80	3.29	0.09	2.63	2.55	5.19	4.15	2.00	0.10	0.33
899593	KQ89066C	56.09	0.49	18.00	5.09	1.50	3.20	0.07	3.00	4.44	5.30	3.66	2.20	0.00	0.40

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
899594	KQ89066D	56.40	0.50	17.20	5.59	1.39	3.79	0.09	3.77	5.61	4.90	3.46	1.89	0.10	0.41
899595	KQ89066E	58.40	0.46	18.00	5.30	1.10	3.79	0.10	3.00	3.23	5.69	3.95	2.09	0.00	0.40
899596	KQ89067A	53.90	0.69	11.50	6.19	0.60	5.00	0.11	4.88	8.84	2.50	2.05	3.00	5.90	0.34
899597	KQ89067B	52.40	0.67	13.39	7.80	1.10	6.00	0.15	4.73	8.77	3.90	2.40	2.40	3.09	0.36
899598	KQ890068	54.00	0.67	13.60	7.09	1.29	5.19	0.11	6.50	5.28	3.50	1.17	4.09	3.79	0.25
899599	KQ890069	48.70	0.79	18.70	8.89	1.89	6.30	0.21	3.99	4.19	3.40	4.57	3.79	2.40	0.56
899600	KQ89069A	50.20	0.77	17.20	8.00	0.40	6.80	0.20	4.11	3.66	0.80	7.61	3.79	2.70	0.44
899602	KQ89069B	48.90	0.68	17.70	10.80	2.79	7.19	0.21	4.03	5.71	3.29	3.54	3.59	1.60	0.55
899603	KQ89069C	5.00	0.07	1.10	0.40	0.00	0.60	0.05	0.81	51.00	0.10	0.27	0.50	40.79	0.05
899604	KQ89070A	58.90	0.46	12.60	8.60			0.15	2.53	4.19	2.79	3.19		2.20	0.27
899605	KQ89070B	42.90	0.55	13.69	9.10			0.28	4.11	10.69	2.09	4.40		7.40	0.40
899606	KQ89070C	67.50	0.49	17.70	1.50	0.60	0.80	0.00	1.40	0.07	0.10	7.75	2.79	0.00	0.02
899607	KQ89070D	58.20	0.38	16.89	5.00			0.10	1.85	2.92	3.40	5.59		1.89	0.20
899608	KQ89070E	53.70	0.46	16.60	4.80	0.69	3.70	0.12	2.63	5.19	3.90	5.98	2.09	3.70	0.25
899609	KQ89071A	48.09	0.73	18.60	9.10	1.39	6.90	0.23	4.78	4.26	3.70	4.07	4.09	2.50	0.49
899610	KQ89071B	47.20	0.82	18.60	9.89	2.79	6.40	0.20	5.40	8.14	2.29	4.05	3.59	0.10	0.62
899611	KQ89072A	66.90	0.12	15.60	1.39	0.00	2.79	0.05	0.87	0.79	1.29	8.90	1.29	0.60	0.01
899612	KQ89072B	63.79	0.28	13.30	7.19			0.14	1.86	0.93	2.50	3.91		1.50	0.12
899613	KQ89072C	73.30	0.23	12.39	1.29	0.00	1.50	0.05	0.54	0.98	3.00	5.73	0.60	0.69	0.09
899614	KQ89073A	55.29	0.33	16.70	4.09			0.18	1.70	4.98	4.19	5.69		4.00	0.27
899615	KQ89073B	44.90	0.25	14.00	3.50			0.44	1.34	11.89	2.40	6.69		10.50	0.12
899616	KQ89073C	59.70	0.34	17.50	4.59			0.05	1.23	0.91	4.09	6.65		1.20	0.28
899617	KQ89073D	0.55	0.00	0.09	0.80			0.00	0.00	0.07	0.00	0.01		0.50	0.31
899618	KQ89073E	61.90	0.60	15.89	3.40			0.10	2.30	2.15	4.80	5.36		1.00	0.21
899619	KQ89073F	94.40	0.01	0.69	1.50	0.00	1.89	0.01	0.40	0.36	0.00	0.23	0.30	0.10	0.10
899620	KQ89073G	70.00	0.33	11.89	3.59			0.05	0.57	1.72	0.10	8.80		1.00	0.10
899622	KQ89073H	61.29	0.50	14.80	6.09			0.07	1.34	0.88	0.20	9.60		0.69	0.20
899623	KQ89073I	64.19	0.37	14.30	4.59			0.05	1.21	1.03	1.00	7.59		0.60	0.20
899624	KQ89073J	65.59	0.37	14.80	4.30			0.05	1.25	1.04	1.00	7.76		0.60	0.20
899625	KQ890074	86.59	0.15	4.50	2.50			0.02	0.12	0.85	0.10	2.91		0.50	0.09
899626	KQ890075	55.00	0.63	16.29	6.30			0.20	2.06	4.94	2.50	5.86		3.50	0.23
899627	KQ89078	39.79	0.00	1.00	1.89			2.68	0.21	27.79	0.20	0.60		23.70	0.00
899628	KQ89047I	60.50	0.54	17.10	5.69	1.10	4.09	0.14	2.17	2.83	3.79	3.65	2.50	1.00	0.18
899629	KQ89080A	53.79	0.66	12.89	7.80	1.50	5.69	0.11	6.98	8.13	3.90	1.89	2.29	2.00	0.28
899630	KQ89080B	50.20	0.61	14.19	5.59	1.20	4.00	0.09	3.69	9.11	3.40	2.66	3.00	7.30	0.25

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
899631	KQ890082	63.79	0.40	15.69	3.50	0.40	2.79	0.10	1.45	3.07	5.09	3.09	1.79	2.20	0.20
899632	KQ89083A	52.50	0.57	16.50	7.19	0.40	6.09	0.21	2.40	6.03	2.29	4.11	3.09	4.30	0.34
899633	KQ89084A	55.09	0.58	17.60	9.39	2.29	6.40	0.43	3.51	1.71	1.20	3.89	4.69	1.60	0.36
899634	KQ89084B	63.59	0.55	15.00	8.10			0.11	2.99	0.20	0.10	4.59		0.10	0.31
899635	KQ89085A	76.00	0.58	14.69	1.50			0.00	0.87	0.00	0.30	3.54		0.30	0.05
899636	KQ89085B	64.40	0.52	18.20	5.80			0.00	0.63	0.00	0.20	5.32		0.10	0.10
899637	KQ89085C	64.30	0.67	14.19	7.40			0.02	3.11	0.20	0.10	4.09		0.10	0.31
899638	KQ89085D	71.50	0.93	15.30	3.29			0.00	0.68	0.44	0.10	4.67		0.00	0.43
899639	KQ890086	59.90	0.57	16.70	4.69	0.60	3.70	0.12	1.77	3.92	3.50	3.38	2.59	2.79	0.23
899640	KQ890087	75.50	0.34	11.10	4.30			0.00	0.85	0.15	0.00	3.82		0.20	0.14
899642	KQ890088	50.40	0.94	13.89	10.80	2.50	7.50	0.27	5.96	8.61	2.29	3.29	3.00	0.00	0.50
899643	KQ89089A	64.00	0.56	15.00	4.40	0.60	3.40	0.10	2.34	3.03	4.90	4.05	1.39	0.69	0.25
899644	KQ89089B	45.70	0.74	14.89	10.89			0.17	4.09	6.42	1.79	5.71		4.80	0.40
899645	KQ89089C	55.59	0.92	15.50	8.60			0.10	3.15	3.44	3.90	5.67		0.20	0.44
899646	KQ89089D	56.50	0.76	17.79	6.40	0.60	5.19	0.15	2.58	3.89	4.00	3.76	2.50	0.40	0.31
899647	KQ89089E	52.59	0.91	16.10	9.60			0.10	3.83	4.44	3.70	3.65		0.20	0.46
899648	KQ890090	57.00	0.77	17.20	5.90	0.00	6.30	0.15	2.10	6.17	4.19	3.58	1.89	0.69	0.33
899649	KQ890091	57.59	0.58	16.50	5.59	2.29	3.00	0.14	2.01	5.48	3.40	3.45	2.59	0.50	0.27
899650	KQ890092	55.79	0.62	17.29	6.69	1.79	4.40	0.15	2.21	6.78	3.50	3.10	2.29	3.59	0.30
899651	KQ890093	45.79	0.89	15.80	17.20			0.09	2.97	5.09	4.42	1.55		0.89	0.57
899652	KQ890094	60.29	0.55	17.39	5.09	2.20	2.59	0.09	1.47	4.44	3.59	4.57	1.39	0.00	0.21
899653	KQ890095	54.20	0.30	12.00	2.79			0.15	0.89	12.30	0.50	3.53		0.30	0.14
899654	KQ89095A	52.29	0.67	15.00	4.80			0.07	3.05	5.51	1.89	5.63		7.50	0.33
899655	KQ890096	59.70	0.49	17.50	5.19			0.07	1.96	4.63	3.70	4.21		0.10	0.23
899656	KQ89096A	56.79	0.60	16.20	7.00			0.05	2.97	5.11	4.00	4.19		0.10	0.28
899657	KQ89081A	49.70	0.83	14.50	9.69	1.10	7.69	0.17	5.80	5.94	3.50	1.89	3.90	4.19	0.31
899658	KQ89097A	65.40	0.56	18.00	3.29			0.01	1.00	0.27	0.10	7.05		0.00	0.20
899659	KQ89097B	83.80	0.20	8.69	2.20			0.00	0.46	0.05	0.00	2.44		0.00	0.07
899660	KQ89097C	80.59	0.18	6.80	5.09			0.00	0.46	0.02	0.00	2.38		0.00	0.07
899662	KQ890098	71.69	0.34	12.00	4.80			0.03	0.54	0.23	0.10	5.96		0.10	0.14
899663	KQ89098A	97.19	0.00	0.80	0.00	0.00	0.10	0.02	0.10	0.88	0.00	0.15	0.20	0.60	0.00
899664	KQ89098B	86.40	0.15	5.40	2.20			0.00	0.37	0.20	0.00	2.40		0.10	0.14
899665	KQ89098C	59.29	0.05	1.98	8.60			0.00	0.12	14.19	0.07	0.74		0.20	9.80
899666	KQ890980	74.40	0.37	11.69	3.29			0.00	0.74	0.20	0.10	4.94		0.00	0.12
899667	KQ890099	77.19	0.34	11.50	3.90			0.00	0.50	0.28	0.10	3.85		0.00	0.23



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899668	KQ890100	56.40	0.43	16.79	5.80	1.50	3.90	0.15	2.57	5.07	3.79	3.05	2.59	1.89	0.37
899669	KQ89100A	59.50	0.43	16.20	7.00			0.15	4.90	1.10	1.70	4.75		0.00	0.36
899670	KQ890101	53.90	0.68	18.10	7.59	1.50	5.50	0.14	2.95	3.19	5.50	2.75	3.09	2.40	0.37
899671	KQ890102	58.00	0.43	16.60	7.59			0.18	3.67	3.07	4.00	4.23		0.10	0.34
899672	KQ89102A	57.29	0.47	17.20	8.10	2.00	5.50	0.17	3.69	1.90	1.00	4.21	4.40	1.20	0.31
899673	KQ89103A	51.40	0.89	15.80	10.60	3.50	6.40	0.18	6.11	5.36	3.79	2.57	3.50	0.30	0.36
899674	KQ89103B	52.59	0.64	16.89	8.80	2.59	5.59	0.18	5.46	2.65	3.29	4.30	4.00	0.89	0.54
899675	KQ89104A	60.70	0.56	14.10	6.40	1.00	4.90	0.09	2.95	3.50	2.29	3.25	3.20	3.29	0.33
899676	KQ89104B	57.00	0.64	13.80	6.90	0.60	5.69	0.07	3.66	3.83	2.09	3.39	3.40	5.30	0.34
899677	KQ89104C	57.59	0.62	15.89	7.50			0.11	3.86	4.28	4.40	3.58		0.00	0.40
899678	KQ89104D	54.29	0.50	16.50	7.00	2.29	4.19	0.11	3.83	5.34	4.80	3.55	2.29	1.20	0.41
899679	KQ89105A	55.40	0.46	17.00	6.69	1.60	4.59	0.10	3.49	3.54	4.40	4.13	2.79	2.09	0.50
899680	KQ89105B	56.90	0.72	17.50	5.40			0.10	2.58	4.32	2.40	6.71		0.20	0.36
899682	KQ89105C	66.09	0.44	13.30	7.59			0.07	0.20	0.86	5.09	2.49		1.20	0.11
899683	KQ89105D	54.50	0.75	13.80	5.50	0.40	4.59	0.11	2.85	5.88	1.39	6.30	2.50	6.09	0.37
899684	KQ89106A	68.90	0.81	17.39	3.59	0.00	3.29	0.02	1.40	0.02	2.09	3.07	3.09	0.30	0.05
899685	KQ89106B	66.40	0.49	11.30	11.00	1.60	8.50	0.12	4.15	1.09	0.80	0.46	4.19	1.00	0.02
899686	KQ89106C	70.69	0.25	13.10	2.09			0.05	0.99	1.50	2.90	4.19		1.70	0.03
899687	KQ89106D	69.69	0.23	13.00	5.40	1.10	3.90	0.05	4.48	0.17	1.00	2.15	3.90	0.10	0.01
899688	KQ89106E	59.09	1.22	15.10	11.50	10.39	1.00	0.15	2.32	1.49	5.19	1.69	1.89	0.00	0.36
899689	KQ89106F	43.00	1.10	16.00	7.09	1.70	4.90	0.15	4.32	13.69	4.19	0.21	3.59	5.80	0.31
899690	KQ89107A	98.59	0.27	0.60	0.00	0.00	0.20	0.00	0.07	0.00	0.00	0.03	0.10	0.00	0.01
899691	KQ89107B	58.00	0.37	15.89	8.10			0.00	0.46	0.31	0.38	11.69		0.10	0.17
899692	KQ89107C	63.29	0.37	17.20	2.59			0.00	0.61	0.00	0.20	11.80		0.00	0.12
899693	KQ890108	67.30	0.28	11.00	5.30			0.00	0.44	0.12	0.20	6.63		0.00	0.12
899694	KQ89108A	35.50	0.03	1.69	18.39			0.00	0.10	0.09	0.05	0.46		0.00	0.10
899695	KQ89110A	68.40	0.49	15.89	3.40			0.00	1.37	0.00	0.10	5.51		0.00	0.18
899696	KQ89110B	71.50	0.38	15.30	2.70			0.00	1.24	0.09	3.59	2.77		0.00	0.07
899697	KQ89110C	74.30	0.20	14.19	2.20			0.00	0.81	0.10	1.20	3.95		0.00	0.07
899698	KQ89110D	57.59	0.49	18.10	6.80	1.89	4.40	0.11	2.53	2.95	4.09	4.69	2.40	0.00	0.34
899699	KQ89111A	17.29	0.01	0.73	0.68			0.36	0.33	21.60	0.20	0.31		16.20	0.80
899700	KQ89111B	38.20	0.01	1.01	2.00			0.25	0.30	14.80	0.33	0.50		10.60	1.21
899701	KQ89111C	9.60	0.00	0.15	1.46			0.46	0.20	26.39	0.20	0.14		20.20	0.81
899702	KQ89112A	61.59	0.46	16.00	4.30	0.00	4.50	0.09	2.36	3.17	5.40	3.56	1.39	0.10	0.28
899704	KQ89112B	63.90	0.40	15.60	2.90	0.20	2.40	0.10	1.40	2.46	2.70	5.42	2.00	1.60	0.15

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
899705	KQ89112C	57.00	0.62	17.29	5.50	1.10	4.00	0.14	2.39	4.82	4.59	3.89	2.09	1.79	0.31
899706	KQ89112D	55.79	0.61	15.50	6.80			0.09	4.19	3.97	3.90	4.00		1.39	0.33
899707	KQ89112E	51.29	0.83	16.20	6.30			0.14	2.94	5.98	2.29	5.86		4.09	0.52
899708	KQ89113A	59.50	0.58	16.39	5.40	4.59	0.69	0.10	0.81	4.98	0.89	4.59	2.70	3.90	0.25
899709	KQ89113B	61.90	0.63	18.70	6.59			0.00	0.61	0.25	2.59	3.81		0.00	0.27
899710	KQ89114A	65.30	0.34	17.60	2.70	2.00	0.60	0.09	1.21	1.99	1.79	4.92	2.59	1.20	0.10
899711	KQ89114B	60.20	0.49	14.69	4.90	3.70	1.10	0.14	2.40	5.05	3.59	2.40	2.20	3.40	0.18
899712	KQ89114C	65.19	0.46	16.10	3.00	2.29	0.60	0.07	0.62	2.82	2.90	4.30	2.00	2.09	0.18
899713	KQ89114D	62.70	0.62	17.39	5.50	5.09	0.40	0.11	0.99	1.85	5.69	2.45	1.60	0.80	0.28
899714	KQ890115	81.80	0.34	9.69	2.09			0.00	0.47	0.00	0.10	2.97		0.00	0.02
899715	KQ890117	47.00	0.81	15.80	9.89			0.34	1.51	4.92	0.18	9.39		5.80	0.72
899716	KQ890118	83.80	0.20	5.90	2.50			0.00	0.38	0.17	0.00	1.79		0.10	0.09
899717	KQ89120A	31.00	0.07	2.75	21.39			0.46	2.36	20.60	0.05	0.07		14.60	0.83
899718	KQ89120B	57.90	0.56	16.00	8.00	2.09	5.30	0.18	3.69	2.74	3.40	3.54	3.09	0.60	0.36
899719	KQ89120C	25.29	0.14	4.76	19.29			0.51	3.05	23.89	0.05	0.05		16.60	0.66
899720	KQ89120D	56.09	0.49	11.60	16.29			0.11	2.09	0.43	0.25	5.34		0.00	0.15
899722	KQ89121A	46.09	1.44	16.39	10.60	3.40	6.50	0.15	8.73	5.67	2.59	2.69	5.50	0.40	0.56
899723	KQ89121B	46.90	1.59	16.29	10.80	2.90	7.09	0.21	4.84	5.94	4.30	2.02	4.50	2.20	1.17
899724	KQ89121C	49.20	0.88	16.50	8.30	1.70	5.90	0.10	7.78	4.96	3.70	1.19	5.09	2.70	0.44
899725	KQ89121D	14.89	0.28	4.59	1.60	0.00	2.90	0.20	0.94	40.40	0.89	0.85	1.10	33.50	0.12
899726	KQ89121E	74.90	0.25	13.89	0.80	0.20	0.50	0.00	0.47	0.15	3.00	4.44	1.50	0.10	0.05
899728	KQ89122A	61.59	1.17	13.89	8.50			0.11	3.35	2.05	4.19	0.76		0.30	1.16
899729	KQ89122B	41.00	1.41	14.10	10.89	9.19	1.50	0.20	6.84	10.00	4.30	0.09	5.00	6.19	0.44
899730	KQ89122C	68.30	0.31	15.69	1.20	0.00	2.00	0.00	0.72	0.03	0.69	10.19	1.39	0.00	0.05
899731	KQ89122D	64.50	1.03	13.69	5.09			0.07	0.62	2.52	2.79	4.11		1.50	0.38
899732	KQ89122E	63.79	0.87	17.50	3.29			0.00	1.08	0.57	1.10	7.51		0.00	0.34
899733	KQ89122E	80.90	0.23	8.69	3.40			0.00	0.63	0.00	0.10	2.71		0.00	0.07
899734	KQ89122G	84.69	0.20	6.59	2.20			0.00	0.50	0.34	0.89	1.99		0.40	0.10
899735	KQ89122H	67.40	0.34	16.50	2.40	0.00	5.69	0.02	1.46	0.94	5.30	3.90	1.50	0.10	0.07
899736	KQ890123	48.40	0.98	17.20	8.39	4.09	3.90	0.14	8.36	9.42	2.70	1.14	3.59	0.20	0.25
899737	KQ890124	76.59	0.38	12.30	1.70	0.00	2.40	0.05	0.52	0.46	5.80	0.30	1.00	1.10	0.07
899738	KQ89125A	72.59	0.28	14.50	2.09	0.00	4.00	0.00	0.18	0.09	6.59	1.00	0.89	0.00	0.03
899739	KQ89125B	62.59	1.02	15.89	8.10	1.79	5.69	0.07	0.66	1.72	5.40	2.11	2.40	0.20	0.46
899740	KQ89125C	47.50	1.91	15.00	16.00	4.30	10.50	0.25	4.36	5.15	4.40	0.21	5.09	1.29	0.33
899742	KQ89126A	70.00	0.34	15.60	1.29	0.00	1.20	0.03	0.40	0.23	5.00	5.50	0.80	0.10	0.02

Sample Number	Kirkham Number	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3t pct	Fe2O3 pct	FeO pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	H2Ot pct	CO2t pct	P2O5 pct
899743	KQ89126B	69.80	0.34	15.60	1.50	0.10	1.29	0.05	0.40	0.68	3.59	7.57	0.80	0.20	0.02
899744	KQ89126C	74.90	0.25	13.19	1.29	0.00	2.00	0.01	0.66	0.20	3.59	5.38	0.80	0.10	0.01
899745	KQ89127A	74.59	0.25	13.30	1.60	0.60	0.89	0.02	0.56	0.12	2.70	6.75	0.80	0.10	0.01
899746	KQ89127B	68.00	0.36	15.10	3.50	0.00	3.70	0.07	2.05	0.75	3.70	4.38	2.00	0.10	0.05
899747	KQ89127C	60.29	0.70	16.89	4.69	0.69	3.59	0.17	2.16	4.61	2.29	5.53	2.50	0.10	0.37
899748	KQ890128	63.29	0.98	12.60	7.00	1.20	5.19	0.14	1.38	4.61	2.00	2.94	2.70	2.59	0.28
899749	KQ890129	76.30	0.38	11.69	1.20	0.00	2.00	0.03	0.20	1.46	5.30	0.46	0.89	2.59	0.11
899750	KQ89130A	60.20	0.87	9.89	5.90	0.00	6.19	0.18	1.88	8.51	3.40	0.62	2.09	6.80	0.18
899751	KQ890131	63.50	0.46	15.39	4.80			0.05	0.55	3.71	4.19	1.70		1.50	0.20
899752	KQ89131A	64.50	0.52	17.20	4.09			0.02	0.62	1.24	4.69	2.64		0.00	0.27
899753	KQ89131B	92.30	0.38	3.90	0.60			0.00	0.15	0.00	0.00	0.95		0.00	0.07
899754	KQ89131C	60.09	0.51	17.60	5.19			0.12	1.90	2.18	4.89	2.25		0.60	0.23
899755	KQ89132A	65.19	0.46	13.00	8.32			0.00	0.50	0.11	0.28	3.75		0.10	0.01
899756	KQ89133A	51.70	0.47	15.89	2.75			0.00	0.00	0.15	1.50	2.36		0.10	0.34
899757	KQ890134	51.50	0.55	14.39	5.90			0.09	1.62	10.30	2.59	2.65		8.69	0.14
899758	KQ890135	67.40	0.58	17.00	3.59			0.00	0.34	0.23	4.09	2.45		0.00	0.23
899759	KQ89136A	90.30	0.57	3.00	3.50	1.39	1.89	0.00	0.28	0.07	0.10	0.49	1.39	0.00	0.20
899760	KQ89136B	79.50	0.43	9.50	3.40			0.00	0.46	0.00	0.10	3.00		0.10	0.01
899762	KQ890137	67.00	0.33	15.50	5.50			0.00	0.69	0.00	2.00	3.84		0.00	0.01
899763	KQ890138	13.19	0.00	1.27	54.00			0.00	0.07	0.18	0.12	0.73		0.00	0.05
899764	KQ890139	56.40	0.07	2.66	23.29			0.00	0.07	0.28	0.11	1.53		0.10	0.07

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