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RESULTS OF AUGER EXPLORATION PROGRAM AT REDLINGS PROJECT

Marquee Resources Limited (Marquee or Company) (ASX:MQR) is pleased to announce that it has now received the laboratory results of its Auger sampling program at the Redlings REE Project in WA.

MQR mobilised to site to conduct an auger soil programme over the primary target area. Infill/confirmatory samples were initially taken over the Redlings 2 and 3 prospects and the programme moved north-west to test extensions of the known mineralisation trend along a magnetic anomaly interpreted as representing the hosting structure of the Redlings Dyke. A total of 829 auger holes were drilled, which included 757 planned holes and the remainder as infill samples to improve definition or sample additional locations (Figure 1). Nine locations were abandoned due to outcropping granite. Four rock samples were also collected at points of interest (Figure 2).

Spacing of the auger holes was nominally 25 m along lines 200 m apart. All samples were taken from the bedrock interface and initially analysed by a portable X-ray fluorescence (pXRF) instrument to determine any significant REE anomalism. 526 samples were then submitted to Minanalytical Laboratory in Canning Vale for analysis. The northernmost auger samples were not submitted due to a lack of coherent REE anomalism detected by pXRF justifying the expense.

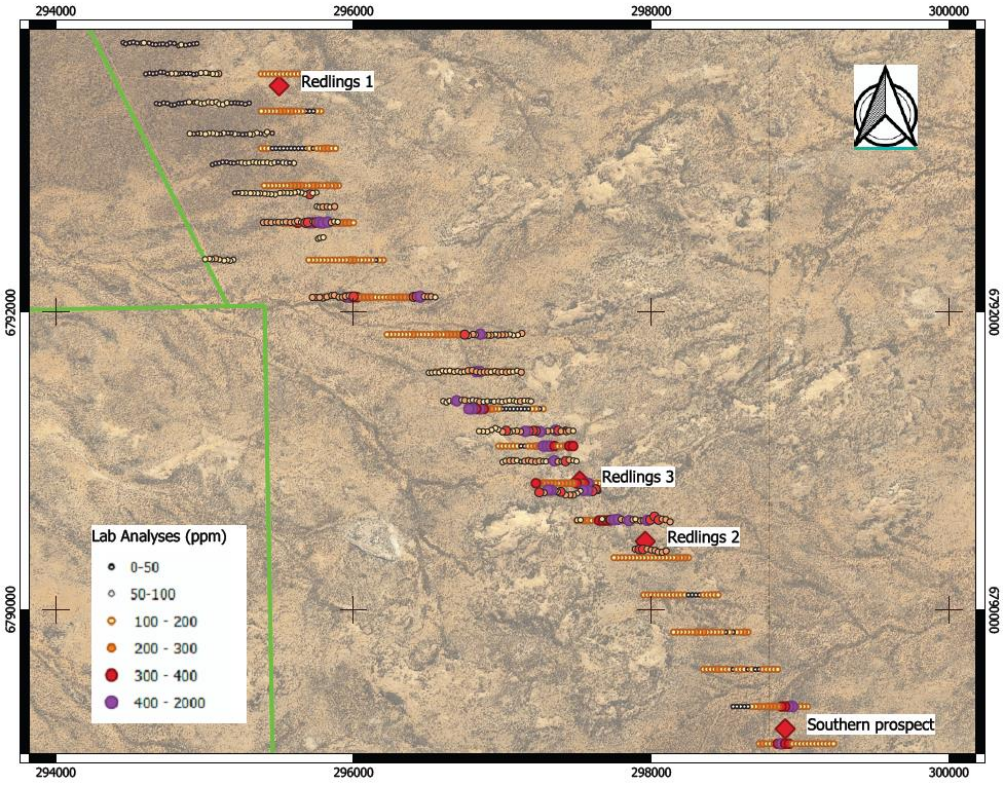

Figure 1: Laboratory results from the Redlings prospects area (TREE ppm)(MGA94_51).

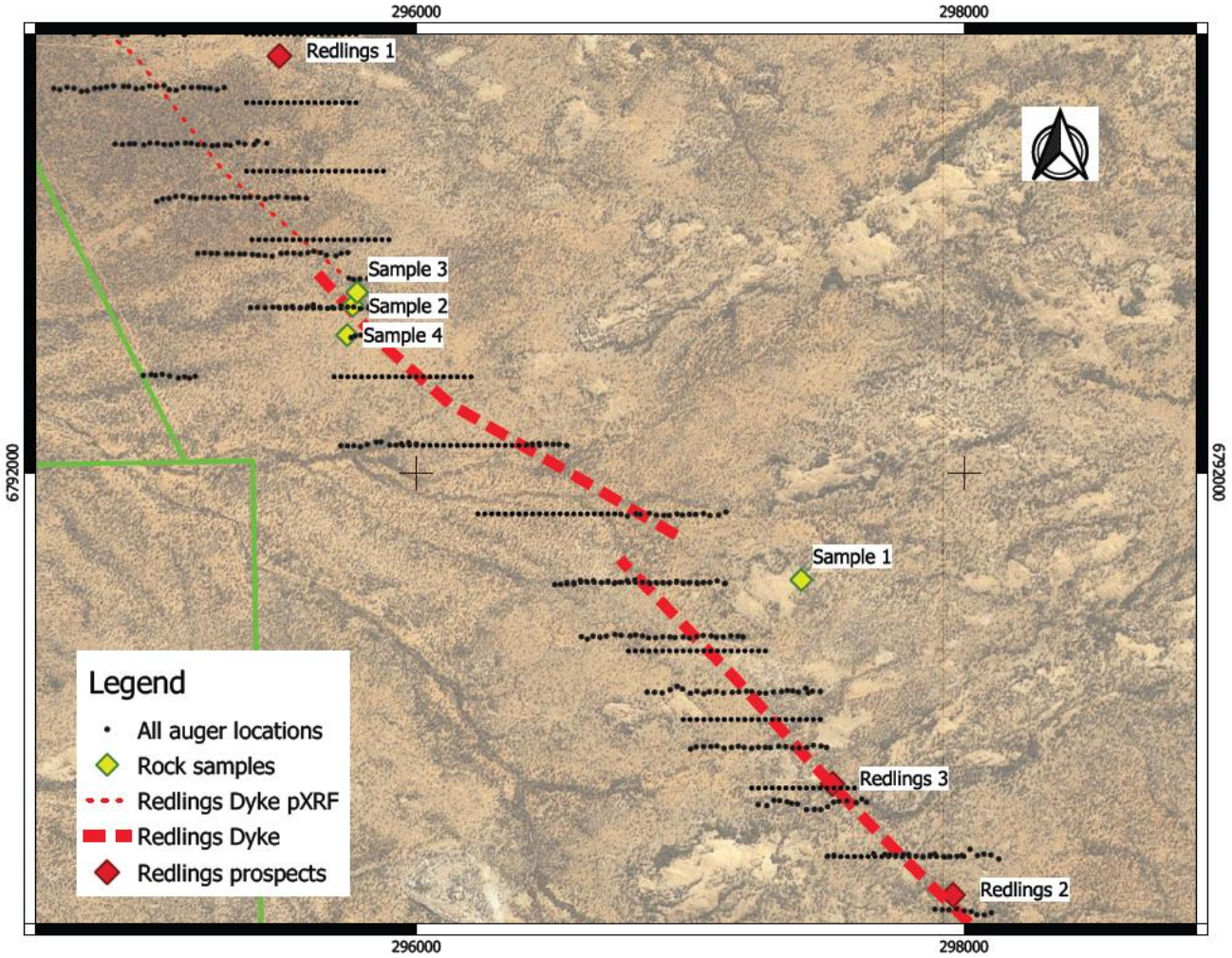

Figure 2: Location map of rock samples taken during the auger programme (MGA94_51).

There are several coherent multi-line anomalies through the Redlings prospects area that indicate the presence of strong REE mineralisation. The highest continuous concentrations of REE have been returned around the Redlings 3 prospect and to the north. This is to be expected given the exposure of the Redlings Dyke at this location, a 5 m drill-hole intersection of the dyke reported by Western Diamond Corporation NL also at this prospect and a shallow soil profile through the local area. This prospect provides the highest priority area for future drilling.

The 'Southern Prospect' generated by anomalous results from Victory Mines' previous auger programme remains untested in the current programme. The high REE values reported at the location require infill auger definition to confirm a target of sufficient size to consider drilling.

Marquee in consultation with its consulting geologists from RSC Global Pty Ltd will now discuss the best course of action for the project.

Location and laboratory assay results of auger soil sampling from Redlings Project

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0001	297503	6790602	61.5	91.44	11.81	34.96	4.66	0.75	3.51	0.49	2.76	0.55	1.64	0.24	1.49	0.21	13.65
MRS0002	297525	6790604	75.3	107.56	13.69	40.3	5.22	0.83	3.91	0.51	2.94	0.55	1.63	0.23	1.41	0.2	13.31
MRS0003	297670	6790610	72.5	114.57	13.27	37.8	5.23	0.78	3.95	0.55	3.11	0.6	1.78	0.26	1.73	0.26	14.59
MRS0004	297711	6790608	87	136.31	16.07	48.57	6.73	0.99	5.29	0.79	4.65	0.96	2.86	0.42	2.73	0.4	22.07
MRS0005	297729	6790606	154.9	205.77	27.74	82.51	11.57	1.53	8.73	1.16	6.33	1.26	3.72	0.53	3.27	0.46	32.08
MRS0006	297751	6790605	223.7	260.89	46.42	133.09	17.05	2	11.45	1.5	7.88	1.46	4.21	0.58	3.44	0.48	34.83
MRS0007	297778	6790608	260.7	315.88	55.73	163.3	21.75	2.97	15.15	2.01	10.39	1.97	5.67	0.77	4.6	0.65	48.47
MRS0008	297798	6790608	111.6	154.92	23.08	69.29	10.08	1.35	7.4	0.94	4.96	0.94	2.81	0.4	2.43	0.35	22.47
MRS0009	297825	6790602	126.3	188.96	25.02	73.26	10.78	1.28	7.79	0.99	5.23	0.96	2.86	0.41	2.37	0.36	24.41
MRS0010	297851	6790599	343.8	518.17	69.52	196.3	24.56	2.66	15.36	1.83	8.91	1.58	4.48	0.57	3.45	0.48	35.48
MRS0011	297877	6790605	125.5	208.03	24.63	72.12	10.31	1.16	7.88	1.02	5.02	0.9	2.54	0.35	2.12	0.32	21.62
MRS0012	297894	6790609	77.6	115.1	14.91	42.55	6.09	0.8	4.81	0.62	3.41	0.63	1.83	0.26	1.64	0.24	16.13
MRS0013	297929	6790598	98.4	225.32	20.04	58.5	8.14	1.16	5.92	0.76	4.08	0.76	2.08	0.28	1.7	0.25	19.04
MRS0014	297948	6790600	96	149.35	17.82	51.32	7.14	1	5.4	0.78	4.53	0.94	2.76	0.39	2.34	0.34	24.72
MRS0015	297975	6790601	218	243.11	42.48	127.96	16.88	2.24	12.97	1.69	9.31	1.83	5.24	0.72	4.34	0.6	45.36
MRS0016	297993	6790604	171.7	234.14	31.77	94.16	12.08	1.55	8.42	1.05	5.44	1.03	2.96	0.41	2.4	0.35	27.82
MRS0017	297644	6790798	65	131.77	12.94	38.87	5.43	0.94	4.2	0.56	3.06	0.62	1.91	0.29	1.82	0.27	15.97
MRS0018	297627	6790810	168.6	230.41	34.53	98.7	12.37	1.66	8.63	1.11	6	1.15	3.34	0.46	2.8	0.38	28.56
MRS0019	297606	6790797	172.2	316.68	34.87	104.67	14.16	2.03	11.03	1.46	7.96	1.53	4.48	0.62	3.7	0.55	40.95
MRS0020	297573	6790803	232.2	466.16	44.67	130.7	16.81	2.77	12.42	1.5	8.09	1.49	4.31	0.58	3.36	0.46	38.5
MRS0021	297544	6790802	195.3	304.37	38.69	111.78	14.43	1.87	9.71	1.3	7.02	1.33	3.79	0.53	3.13	0.44	32.82
MRS0022	297524	6790798	74.9	174.49	13.29	39.43	5.04	0.89	4.01	0.52	2.76	0.54	1.64	0.24	1.57	0.23	13.92
MRS0023	297502	6790782	46.7	80.98	8.41	24.54	3.43	0.63	2.86	0.48	3.22	0.69	2.2	0.34	2.08	0.29	16.45
MRS0024	297477	6790771	92.1	197.23	17.93	51.96	6.96	0.99	5.22	0.68	3.86	0.79	2.47	0.36	2.22	0.34	19.98
MRS0025	297454	6790772	95.3	182.68	17.72	51.76	6.9	1.03	5.56	0.79	4.59	0.92	2.8	0.41	2.43	0.34	22.99
MRS0026	297425	6790771	88.4	246.94	16.71	49.93	6.95	1	5.66	0.76	4.42	0.87	2.66	0.39	2.44	0.34	20.63
MRS0027	297392	6790792	165.8	321.76	31.76	92.73	12.11	1.73	9.33	1.27	6.93	1.35	3.92	0.56	3.44	0.48	30.47
MRS0028	297370	6790794	116.2	218.13	22.47	64.4	8.66	1.2	6.14	0.82	4.62	0.91	2.62	0.39	2.45	0.34	20.29
MRS0029	297354	6790800	108.2	194.09	20.07	60.48	8.13	1.14	5.9	0.76	4.28	0.86	2.59	0.39	2.5	0.38	21.08
MRS0030	297327	6790804	314	465.26	78.99	218.73	27.58	3.52	16.66	2.18	11.49	2.04	5.82	0.8	4.87	0.64	39.09
MRS0031	297306	6790805	226.2	443.81	47.36	138.39	19.08	2.79	15.29	2.04	11.15	2.04	5.83	0.81	4.93	0.69	44.92
MRS0032	297280	6790786	112.7	206.45	20.58	59.5	7.66	1.14	6.11	0.77	4.19	0.83	2.42	0.35	2.08	0.31	21.55
MRS0033	297248	6790789	175.6	365.54	35.7	102.6	13.7	1.95	9.84	1.2	6.21	1.19	3.49	0.48	3.2	0.45	29.5
MRS0034	297002	6790992	73	169.97	13.75	41.09	5.76	0.95	4.63	0.59	3.23	0.64	1.9	0.28	1.75	0.26	16.05
MRS0035	297022	6791000	85.1	147.62	16.15	47.16	6.44	1.07	4.94	0.62	3.48	0.67	2	0.29	1.85	0.28	16.31
MRS0036	297049	6791001	115.5	163.75	22.18	67.82	9.54	1.38	7.02	0.9	4.9	0.93	2.72	0.39	2.35	0.34	24.02
MRS0037	297076	6791001	105.2	173.97	20.49	60.46	8.48	1.2	6.3	0.81	4.33	0.79	2.27	0.32	1.95	0.28	19.5
MRS0038	297098	6791003	80.5	128.88	14.68	43.89	6.29	1.05	5.24	0.72	3.99	0.8	2.35	0.34	2.04	0.3	19.99

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0039	297124	6790995	33.9	48.44	6.46	18.85	2.67	0.61	2.11	0.29	1.71	0.35	1.05	0.15	1	0.14	7.78
MRS0040	297151	6790998	116.4	172.28	21.11	63.09	8.35	1.2	6.33	0.79	4.2	0.82	2.44	0.34	2.16	0.31	22.89
MRS0041	297176	6791002	93.5	164.64	17.71	53.49	7.37	1.12	5.73	0.73	4.2	0.82	2.51	0.36	2.21	0.33	20.13
MRS0042	297197	6790998	129.4	169.51	24.99	75.77	10.46	1.56	7.94	1.07	5.88	1.17	3.47	0.48	2.93	0.43	29.7
MRS0043	297225	6790995	125.7	208.08	23.49	69.81	9.42	1.31	7.41	0.94	5.26	1.04	3.09	0.45	2.83	0.41	25.45
MRS0044	297249	6790999	136	216.07	25.86	79.48	10.78	1.51	8.01	1.01	5.7	1.11	3.25	0.46	2.77	0.4	26.67
MRS0045	297275	6790998	43.7	92.37	7.65	21.02	2.78	0.64	2.08	0.25	1.42	0.29	0.85	0.12	0.72	0.11	7.64
MRS0046	297293	6790997	87.3	129.1	14.65	40.67	5.48	0.86	4.43	0.56	3.11	0.63	1.95	0.28	1.73	0.28	17.84
MRS0047	297324	6791002	95.3	146.29	16.33	45.93	6.24	0.97	4.9	0.62	3.39	0.67	1.98	0.28	1.74	0.27	17.62
MRS0048	297349	6791001	321.4	176.61	67.54	173.44	20.8	3.04	12.39	1.53	7.6	1.36	3.77	0.49	2.71	0.38	27.4
MRS0049	297374	6790996	152.3	168.91	18.89	51.93	7.02	1.11	5.11	0.66	3.63	0.71	2.09	0.3	1.88	0.28	17.64
MRS0050	297398	6790996	87.9	121.19	15.82	44.86	6.25	1.04	4.87	0.63	3.45	0.7	2.07	0.31	1.81	0.28	17.07
MRS0051	297425	6790998	164.8	249.21	24.11	63.31	8.14	1.2	5.96	0.75	4.04	0.84	2.52	0.36	2.16	0.34	22.42
MRS0052	297450	6791006	109.2	160.27	19.28	57.1	8.05	1.39	6.69	0.85	4.86	1.06	3.11	0.45	2.57	0.42	29.1
MRS0053	297478	6791003	65.2	115	11.9	34.35	4.99	0.82	3.95	0.53	2.95	0.62	1.79	0.27	1.66	0.26	15.31
MRS0054	297498	6790998	80.7	150.56	15.48	42.89	6.44	0.98	4.88	0.65	3.59	0.73	2.15	0.32	1.93	0.29	17.14
MRS0055	297355	6791206	244.4	432.48	39.67	111.03	14.89	2.1	12.11	1.58	9.01	1.87	5.65	0.81	4.72	0.7	51.92
MRS0056	297334	6791202	80.4	179.07	15.72	39.29	4.98	0.73	3.22	0.39	2.03	0.38	1.07	0.15	0.88	0.13	8.19
MRS0057	297375	6791204	179.8	331.38	28.49	76.69	10.5	1.61	8.7	1.18	6.93	1.49	4.39	0.64	3.65	0.54	39.43
MRS0058	297395	6791200	134.9	267.55	22.96	63.5	8.72	1.34	7.17	0.97	5.59	1.18	3.45	0.51	3	0.44	30.18
MRS0059	297423	6791214	29.5	49.67	4.88	13.14	1.84	0.36	1.49	0.2	1.19	0.24	0.73	0.11	0.74	0.12	5.77
MRS0060	297304	6791200	108.3	169.42	18.09	48.73	6.04	0.96	4.67	0.6	3.41	0.73	2.25	0.35	2.12	0.33	18.39
MRS0061	297276	6791196	89.1	185.07	15.68	41.17	5.82	0.94	4.58	0.6	3.5	0.7	2.07	0.32	1.89	0.29	16.62
MRS0062	297253	6791197	230.5	324.75	43.83	121.22	16.46	2.48	12.31	1.56	8.75	1.75	5.15	0.77	4.65	0.69	39.88
MRS0063	297225	6791202	168.3	213.49	27.32	74.08	9.44	1.39	7.01	0.87	4.96	1.03	3.17	0.46	2.82	0.42	25.95
MRS0064	297206	6791203	184.4	230.83	26.73	70.85	9.03	1.37	6.98	0.88	5.02	1.06	3.16	0.47	2.83	0.44	28.18
MRS0065	297178	6791201	157.9	296.08	30.29	85.79	12.46	1.97	11.53	1.7	10.62	2.47	7.45	1.09	6.19	0.92	69.52
MRS0066	297154	6791199	266.7	236.72	41.42	114.14	15.16	2.13	10.62	1.45	8.11	1.69	5.08	0.73	4.18	0.62	39.85
MRS0067	297122	6791197	116.1	151.6	19.03	51.73	7.26	1.15	5.74	0.86	5.02	1.1	3.38	0.5	3.01	0.45	27.81
MRS0068	297096	6791202	145	210.89	25.82	71.24	10.49	1.52	8.68	1.21	6.82	1.53	4.54	0.66	3.8	0.58	41.73
MRS0069	297070	6791201	86.1	162.62	15.18	42.15	6.12	1.03	5.06	0.7	3.91	0.83	2.39	0.34	1.95	0.3	21.49
MRS0070	297050	6791194	83.2	138.72	14.89	42.48	6.04	1.01	4.73	0.64	3.83	0.82	2.59	0.39	2.32	0.36	21.74
MRS0071	297025	6791203	151	247.76	28.15	79.42	11.44	1.72	8.92	1.18	6.88	1.45	4.31	0.64	3.89	0.61	35.3
MRS0072	297001	6791196	109.5	169.49	18.33	52.26	7.22	1.07	5.51	0.69	3.71	0.73	2.11	0.3	1.71	0.27	18.97
MRS0073	296972	6791211	53.7	98.54	9.86	27.61	4.3	0.73	3.38	0.5	2.87	0.59	1.79	0.27	1.66	0.26	14.6
MRS0074	296953	6791221	52.8	83.51	9.33	26.48	3.92	0.66	3.1	0.43	2.42	0.5	1.51	0.23	1.44	0.22	13.05
MRS0075	296927	6791208	45.6	170.72	8.56	24.33	3.52	0.72	3.15	0.4	2.21	0.48	1.42	0.22	1.3	0.21	11.67
MRS0076	296898	6791197	36.2	180.17	7.27	20.8	3.23	0.73	2.96	0.4	2.41	0.51	1.57	0.24	1.47	0.23	12.89
MRS0077	296870	6791199	78.6	210.25	13.08	35.49	4.97	0.85	4.04	0.56	3.46	0.73	2.16	0.31	1.88	0.28	17.99
MRS0078	296843	6791200	58.1	95.66	10.15	28.05	3.9	0.74	3.02	0.38	2.39	0.43	1.24	0.18	1.2	0.19	10.97
MRS0079	296603	6791402	40.6	80.61	7.12	21.04	3.23	0.61	2.69	0.35	2.1	0.44	1.32	0.2	1.22	0.2	10.59
MRS0080	296625	6791393	50.4	100.1	8.02	23.1	3.32	0.58	2.96	0.38	2.21	0.46	1.36	0.21	1.26	0.2	13.54
MRS0081	296645	6791404	40.6	74.27	6.75	19.96	2.92	0.55	2.48	0.33	1.94	0.41	1.24	0.18	1.19	0.19	11.32

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0082	296671	6791400	41.6	93.5	7.61	22.85	3.46	0.76	3.05	0.41	2.38	0.51	1.54	0.23	1.49	0.25	13.59
MRS0083	296694	6791404	221.6	416.96	38.69	115.98	17.03	2.92	16	1.99	10.67	2.3	6.5	0.86	4.74	0.74	65.2
MRS0084	296726	6791410	84.5	189.32	14.67	43.36	6.3	1.13	5.37	0.68	3.91	0.86	2.53	0.38	2.34	0.36	21.16
MRS0085	296748	6791407	101.3	233.39	17.73	52.85	7.48	1.24	6.23	0.77	4.35	0.92	2.77	0.39	2.43	0.38	25.69
MRS0086	296781	6791405	65.8	94.35	9.08	23.57	3.22	0.5	2.54	0.34	1.92	0.41	1.25	0.19	1.21	0.19	10.89
MRS0087	296801	6791409	52.8	94.07	9.86	29.97	4.43	0.78	3.54	0.46	2.67	0.57	1.72	0.25	1.54	0.25	14.64
MRS0088	296826	6791405	81	127.22	15.13	45.38	6.49	1.15	5.2	0.66	3.73	0.76	2.21	0.31	1.85	0.28	19.2
MRS0089	296848	6791398	83.5	105.7	16.03	55.61	8.15	1.41	6.28	0.89	4.65	1.21	3.3	0.42	2.7	0.43	30.15
MRS0090	296874	6791398	69	101.94	13.72	45.38	7	1.23	5.25	0.75	3.87	0.85	2.56	0.34	2.19	0.34	20.31
MRS0091	296900	6791401	52	81.93	9.49	29.86	4.43	0.77	3.16	0.47	2.53	0.57	1.69	0.24	1.54	0.25	13.68
MRS0092	296926	6791401	31.9	67.05	6.42	20.88	3.11	0.57	2.45	0.37	1.98	0.45	1.36	0.2	1.33	0.2	10.86
MRS0093	296945	6791399	38.5	67.72	7.51	24.86	3.94	0.71	2.95	0.44	2.32	0.52	1.57	0.22	1.44	0.23	12.8
MRS0094	296975	6791401	43.1	70.07	8.81	29.5	4.67	0.88	3.43	0.5	2.63	0.61	1.85	0.26	1.79	0.28	14.31
MRS0095	296998	6791397	53.2	100.87	10.78	35.39	5.23	1.01	3.91	0.55	2.95	0.66	1.99	0.27	1.83	0.29	15.49
MRS0096	297024	6791402	43.6	56.94	7.57	23.87	3.31	0.6	2.33	0.35	1.91	0.43	1.28	0.19	1.25	0.19	10.43
MRS0097	297048	6791406	63.1	97.51	11.2	34.73	4.7	0.77	3.26	0.46	2.38	0.52	1.57	0.23	1.54	0.23	12.36
MRS0098	297077	6791405	66.7	121.01	11.98	38	5.3	0.83	3.63	0.52	2.57	0.59	1.71	0.23	1.57	0.25	12.91
MRS0099	297096	6791400	75.4	98.15	12.54	38.34	5.12	0.83	3.54	0.5	2.52	0.56	1.67	0.23	1.5	0.23	13.55
MRS0100	297121	6791401	105.6	183.53	19.23	61.94	8.65	1.4	6.24	0.83	4.22	0.96	2.86	0.36	2.41	0.38	24.57
MRS0101	297149	6791405	45.2	114.62	8.64	26.5	3.68	0.67	2.58	0.36	1.86	0.41	1.22	0.18	1.15	0.18	9.26
MRS0102	297174	6791404	64.3	119.64	12.22	36.38	5.05	0.78	3.31	0.46	2.34	0.5	1.46	0.2	1.3	0.19	11.42
MRS0103	297193	6791401	86.1	140.94	15.39	46.94	6.41	0.94	4.18	0.59	2.93	0.63	1.87	0.25	1.59	0.24	14.58
MRS0104	296506	6791592	41.8	86.11	8.65	29.2	4.5	0.74	3.29	0.47	2.45	0.54	1.59	0.22	1.48	0.22	12.14
MRS0105	296527	6791593	73.3	178.91	14.05	46.28	6.94	1.15	5.04	0.75	3.78	0.84	2.45	0.32	2.14	0.32	19.64
MRS0106	296550	6791595	59.1	97.64	10.44	31.15	4.25	0.64	2.96	0.44	2.36	0.54	1.64	0.23	1.51	0.23	12.64
MRS0107	296576	6791594	57.2	80.11	9.74	30.61	4.12	0.7	3.11	0.46	2.55	0.58	1.83	0.25	1.67	0.25	14.29
MRS0108	296599	6791607	73.5	140.82	12.86	39.67	5.8	0.94	4.2	0.61	3.11	0.71	2.03	0.25	1.68	0.25	15.64
MRS0109	296622	6791603	49.1	122.75	9.58	30.12	4.72	0.81	3.64	0.56	3.02	0.62	1.86	0.25	1.69	0.26	14.35
MRS0110	296647	6791606	70.8	141.07	12.58	38.92	5.52	0.9	3.86	0.56	2.91	0.6	1.81	0.25	1.57	0.25	14.66
MRS0111	296677	6791599	57.4	119.15	9.97	29.92	4.12	0.69	3.02	0.44	2.29	0.49	1.47	0.21	1.33	0.2	11.4
MRS0112	296700	6791604	45	142.71	6.46	18.91	2.74	0.44	2.09	0.3	1.52	0.35	1.01	0.15	0.97	0.15	7.32
MRS0113	296723	6791596	45.2	183.53	8.49	27.5	4.95	1.03	4.05	0.65	3.59	0.8	2.35	0.33	2.3	0.36	17.54
MRS0114	296744	6791600	56.5	169.16	11.37	36.11	5.7	1.04	4.38	0.65	3.53	0.77	2.23	0.3	2	0.29	17.85
MRS0115	296770	6791607	97.1	151.29	17.85	54.87	7.2	1.02	4.64	0.65	3.1	0.65	1.94	0.26	1.67	0.25	15.57
MRS0116	296798	6791609	92	169.13	15.87	49.29	6.63	1.03	4.6	0.61	3.1	0.7	2.11	0.27	1.83	0.28	16.79
MRS0117	296826	6791600	120.3	172.84	20.51	62.2	7.91	1.2	5.15	0.68	3.44	0.76	2.2	0.29	1.84	0.29	18.97
MRS0118	296853	6791596	129.2	320.63	22.56	66.76	8.63	1.26	5.84	0.77	3.76	0.79	2.27	0.3	1.94	0.29	18.79
MRS0119	296878	6791598	125.3	213.8	24.36	77.11	10.3	1.57	6.84	0.96	4.91	1.04	3.12	0.4	2.76	0.41	25.56
MRS0120	296902	6791598	116.8	259.47	21.12	66.21	9.11	1.29	6.09	0.84	4.17	0.91	2.68	0.34	2.23	0.34	21.07
MRS0121	296924	6791598	75.5	171.99	13.95	41.62	5.53	0.92	3.86	0.56	2.67	0.59	1.83	0.26	1.77	0.27	14.05
MRS0122	296951	6791604	85.2	230.53	15.73	47.59	6.51	0.98	4.43	0.66	3.54	0.79	2.4	0.34	2.21	0.32	18.5
MRS0123	296975	6791597	126.7	194.82	22.86	67.5	8.69	1.2	5.73	0.79	4.03	0.89	2.65	0.35	2.43	0.37	22.3
MRS0124	296997	6791599	86.1	166.31	15.97	48.39	6.6	0.91	4.15	0.59	3.06	0.68	2.03	0.28	1.83	0.27	15.65

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0125	297026	6791596	122.4	188.85	21.83	66.56	8.34	1.29	5.6	0.74	3.65	0.8	2.4	0.31	1.98	0.31	19.43
MRS0126	297048	6791599	72.5	144.49	13.23	40.88	5.65	0.96	4.04	0.61	3.31	0.73	2.2	0.3	1.92	0.28	17.49
MRS0127	297072	6791600	75.8	165.16	14.11	42.52	5.52	0.91	3.7	0.51	2.6	0.57	1.69	0.23	1.51	0.23	13.99
MRS0128	297099	6791606	76.8	115.33	13.68	40.12	5.49	0.9	3.68	0.55	2.8	0.59	1.77	0.25	1.6	0.24	13.83
MRS0129	297127	6791596	95.9	239.01	17.49	51.42	6.85	1.01	4.55	0.6	2.95	0.63	1.87	0.24	1.58	0.24	14.6
MRS0130	297131	6791857	136.8	189.35	23.89	71.85	8.97	1.15	5.72	0.77	3.73	0.79	2.29	0.29	1.77	0.27	20.91
MRS0131	297104	6791846	90.8	156.59	16.73	50.51	6.88	0.98	4.42	0.61	2.99	0.63	1.82	0.24	1.58	0.24	14.03
MRS0132	297072	6791844	89.6	193.9	16.84	51.58	7.01	1.04	4.75	0.66	3.09	0.67	2.03	0.26	1.7	0.26	16.23
MRS0133	297049	6791851	86.7	154.54	14.9	45.06	6.06	0.89	4.32	0.58	3.02	0.58	1.69	0.24	1.53	0.21	13.91
MRS0134	297020	6791848	120.8	252.39	21.38	62.61	8.19	1.09	5.86	0.77	3.77	0.7	1.99	0.26	1.66	0.23	16.59
MRS0135	296998	6791848	108.1	175.59	18.07	53.62	7.16	1	5.19	0.71	3.64	0.68	1.97	0.27	1.77	0.25	17.74
MRS0136	296972	6791846	115.6	168.92	18.63	56.65	7.53	1.09	5.47	0.74	3.75	0.69	2.06	0.28	1.79	0.25	18.43
MRS0137	296952	6791850	91.8	177.55	16.77	49.75	6.86	0.92	4.73	0.64	3.37	0.63	1.81	0.25	1.6	0.22	14.93
MRS0138	296924	6791845	109.5	201.92	20.06	60.37	8.17	1.14	5.43	0.74	3.6	0.68	2.01	0.28	1.75	0.23	17.06
MRS0139	296904	6791845	91.9	148.79	16.51	51.43	6.93	1	4.82	0.68	3.44	0.67	1.97	0.3	1.77	0.24	16.28
MRS0140	296877	6791846	101.8	219.33	18.45	55.37	7.59	1.01	5.1	0.67	3.48	0.64	1.86	0.26	1.69	0.23	15.67
MRS0141	296851	6791852	226.5	267.77	40.58	125	16.19	2.15	10.73	1.41	6.89	1.3	3.64	0.45	2.88	0.38	34.27
MRS0142	296818	6791848	118.7	218.66	22.08	67.01	8.78	1.25	5.75	0.78	3.94	0.76	2.17	0.3	1.87	0.26	18.95
MRS0143	296802	6791851	98.3	169.72	17.38	52.08	6.74	0.9	4.64	0.63	3.21	0.61	1.79	0.24	1.59	0.22	14.31
MRS0144	296771	6791842	94.1	157.16	16.73	50.09	6.92	0.98	4.7	0.65	3.41	0.63	1.86	0.25	1.67	0.22	15.26
MRS0145	296747	6791849	168.2	296.33	29.59	86.73	10.9	1.25	7.16	0.9	4.54	0.8	2.26	0.28	1.75	0.23	19.36
MRS0146	295796	6792095	101.1	206.7	17.83	50.84	6.91	1.05	4.99	0.69	3.68	0.68	2	0.28	1.72	0.23	16.87
MRS0147	295821	6792103	141.2	268.88	24.43	75.26	10.3	1.52	7.29	0.98	5.09	0.96	2.84	0.38	2.35	0.32	26.27
MRS0148	295854	6792112	104.3	202.94	18.35	53.28	7.2	0.99	4.79	0.68	3.52	0.66	1.97	0.28	1.82	0.24	15.58
MRS0149	295871	6792113	137	281.7	25.01	72.99	9.89	1.27	6.51	0.86	4.32	0.81	2.34	0.31	2.01	0.27	19.44
MRS0150	295903	6792101	138.2	324.37	26.03	78.17	10.88	1.58	7.83	1.1	5.75	1.1	3.21	0.42	2.63	0.35	28.35
MRS0151	295926	6792101	132.8	246.2	21.61	63.98	7.99	1.14	5.9	0.79	4.1	0.77	2.29	0.3	1.84	0.26	20.52
MRS0152	295946	6792106	144.5	954.34	24.05	71.07	9.77	1.39	8.46	0.98	4.97	0.92	2.71	0.36	2.28	0.32	21.74
MRS0153	295972	6792110	146.3	215.55	23.38	68.77	8.66	1.27	5.98	0.81	4.16	0.79	2.25	0.29	1.73	0.25	21.4
MRS0154	296000	6792105	152.5	293.85	26.29	78.88	9.83	1.35	6.78	0.86	4.4	0.84	2.47	0.32	1.92	0.26	24.51
MRS0155	296403	6792102	192.2	325.74	31.52	93.22	12.17	1.77	8.38	1.1	5.77	1.1	3.18	0.4	2.56	0.35	30.2
MRS0156	296424	6792105	188.8	280.57	29.06	83.68	11.16	1.58	7.41	1.02	5.17	0.97	2.86	0.39	2.49	0.33	25.09
MRS0157	296448	6792107	254.3	355.54	43.54	125.28	16.05	2.22	10.76	1.49	7.45	1.43	4.14	0.54	3.61	0.49	35.03
MRS0158	296476	6792105	129.2	263.92	23.97	70.65	9.01	1.32	5.94	0.79	4.16	0.77	2.26	0.32	2.05	0.27	18.28
MRS0159	296500	6792104	137.5	224.66	27.77	81.68	10.58	1.49	6.67	0.88	4.25	0.78	2.28	0.3	1.9	0.26	18.74
MRS0160	296522	6792104	143.7	244.02	24.89	74.54	9.69	1.41	6.98	0.93	4.99	0.97	2.91	0.4	2.39	0.35	24.39
MRS0161	296549	6792100	80.4	139	14.31	45.63	6.76	1.02	5	0.76	4.22	0.89	2.76	0.41	2.62	0.35	20.41
MRS0162	295395	6792602	103.1	159.07	17.91	53.12	7.56	1.09	5.38	0.76	4.03	0.75	2.2	0.3	1.87	0.26	18.25
MRS0163	295420	6792603	122.6	177.2	20.53	61.74	8.03	1.23	6.18	0.85	4.4	0.86	2.44	0.32	1.95	0.25	23.75
MRS0164	295448	6792602	95.6	158.12	17.12	51.66	7.39	1.09	5.22	0.74	3.96	0.76	2.19	0.3	1.87	0.25	18.35
MRS0165	295476	6792604	81.6	123.55	14.21	41.48	5.42	0.83	3.78	0.55	2.99	0.57	1.71	0.23	1.51	0.21	14.14
MRS0166	295498	6792604	144.6	210.19	25.24	74.75	9.62	1.32	6.54	0.88	4.44	0.83	2.41	0.32	1.91	0.25	22.3
MRS0167	295525	6792604	55.2	78.98	9.77	28.94	4.04	0.67	2.77	0.41	2.13	0.42	1.23	0.18	1.09	0.15	10.55

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0168	295547	6792606	138.5	245.54	22.52	63.01	7.62	1.06	4.84	0.57	2.67	0.47	1.39	0.19	1.1	0.15	12.53
MRS0169	295577	6792603	97.7	345.08	18.9	55.6	7.9	1.12	5.45	0.76	3.96	0.72	2.04	0.28	1.67	0.22	17.04
MRS0170	295604	6792605	144	388.46	24.51	72.46	9.26	1.37	6.63	0.95	4.96	0.9	2.61	0.34	2.02	0.27	22.58
MRS0171	295624	6792612	146.6	254.6	25.27	72.89	8.97	1.27	5.97	0.8	4.29	0.84	2.56	0.35	2.31	0.3	22.43
MRS0172	295648	6792604	63.5	95.99	10.9	31.64	4.24	0.76	2.88	0.43	2.41	0.47	1.42	0.21	1.34	0.18	11.09
MRS0173	295676	6792600	168.5	283.16	27.85	79.59	9.18	1.29	5.86	0.67	3.14	0.57	1.67	0.22	1.3	0.18	14.25
MRS0174	295694	6792603	172.8	281.87	29.55	94.83	12.6	2.57	9.14	1.12	5.54	0.98	2.69	0.33	1.96	0.27	27.58
MRS0175	295725	6792609	79.2	130.87	14.1	42.85	5.99	0.83	4.18	0.58	3.3	0.64	1.92	0.27	1.66	0.22	16.87
MRS0176	295749	6792605	194	294.6	34	99.26	12.4	1.52	8.18	1.15	6.11	1.12	3.23	0.41	2.5	0.32	30.28
MRS0177	295771	6792605	611.8	1130.7	100.33	314.28	40.03	5.1	26.29	3.37	19.03	3.53	10.09	1.29	7.19	1	96.64
MRS0178	295795	6792599	236.5	411.61	38.95	117.6	15.57	2.02	11.73	1.52	8.54	1.67	4.77	0.65	3.76	0.53	45.67
MRS0179	295827	6792605	296.8	324.28	48.71	151.38	20.29	2.44	15.11	1.99	10.85	2.04	5.71	0.74	4.13	0.59	57.88
MRS0180	295850	6792602	127.3	213.8	21.69	68.92	9.49	1.1	6.89	0.94	4.94	0.94	2.71	0.38	2.2	0.31	25.5
MRS0181	295870	6792609	87.8	219.13	14.63	44.4	6.32	0.8	4.77	0.65	3.7	0.7	2	0.29	1.61	0.24	18.5
MRS0182	295894	6792606	87.4	188.58	14.07	42.31	5.99	0.76	4.58	0.67	4.05	0.83	2.47	0.37	2.16	0.31	22.39
MRS0183	295707	6792791	163.1	251.89	26.66	83.67	11.29	1.17	8.51	1.02	5.72	0.98	2.73	0.36	1.97	0.28	29.26
MRS0184	295672	6792794	88.5	162.25	14.89	47.39	6.92	0.98	5.02	0.68	3.8	0.74	2.15	0.31	1.88	0.28	19.45
MRS0185	295650	6792803	62.8	95.59	10.34	32.02	4.59	0.73	3.58	0.48	2.72	0.53	1.54	0.24	1.41	0.21	14.7
MRS0186	295626	6792808	57.8	96.19	9.13	29.43	4.32	0.69	3.34	0.45	2.65	0.53	1.57	0.27	1.42	0.22	14.87
MRS0187	295604	6792803	97.7	182.99	15.46	48.81	6.83	0.83	4.84	0.64	3.47	0.64	1.81	0.27	1.56	0.22	16.54
MRS0188	295577	6792799	66.9	117.54	11.08	34.42	4.97	0.74	3.51	0.48	2.6	0.52	1.49	0.23	1.32	0.2	13.41
MRS0189	295553	6792801	75.8	120.69	12.78	39.72	5.84	0.91	4.21	0.6	3.38	0.67	1.94	0.29	1.7	0.27	18.44
MRS0190	295527	6792802	62.8	96.31	9.87	31.25	4.52	0.65	3.27	0.44	2.53	0.49	1.39	0.22	1.23	0.18	12.72
MRS0191	295506	6792800	64.3	96.64	10.16	31.17	4.4	0.65	3.21	0.43	2.48	0.48	1.41	0.22	1.28	0.19	13.38
MRS0192	295474	6792790	54.7	96.15	9.09	28.75	4.33	0.67	3.31	0.44	2.53	0.51	1.51	0.24	1.37	0.2	13.65
MRS0193	295448	6792792	64.7	119.9	10.77	34.29	4.95	0.79	3.94	0.52	2.98	0.58	1.69	0.26	1.49	0.22	16.05
MRS0194	295423	6792794	51.2	82.87	8.22	26.53	4.06	0.62	3.2	0.42	2.49	0.49	1.45	0.22	1.3	0.2	13.93
MRS0195	295402	6792796	50.2	82.94	8.19	25.98	3.81	0.52	2.85	0.38	2.17	0.4	1.18	0.18	1.05	0.16	10.83
MRS0196	295373	6792798	51.3	82.93	8.32	26.48	3.83	0.61	3.04	0.4	2.38	0.46	1.3	0.21	1.14	0.17	12.68
MRS0197	295355	6792798	74.5	110.75	12.51	41.47	6.14	1.06	5.26	0.66	3.87	0.77	2.31	0.34	2	0.3	24.16
MRS0198	295328	6792799	58.7	100.3	9.22	30.06	4.49	0.72	3.71	0.47	2.68	0.54	1.56	0.24	1.35	0.2	15.93
MRS0199	295307	6792799	68.8	139.39	11.56	37.77	5.85	1.08	5.31	0.75	4.37	0.89	2.57	0.37	2.09	0.32	26.51
MRS0200	295274	6792800	67.1	95.7	11.99	40.85	6.23	1.09	5.11	0.68	3.72	0.74	2.17	0.32	1.87	0.28	21.09
MRS0201	295251	6792800	49.9	83.09	8.67	29.32	4.72	0.79	3.81	0.51	3	0.58	1.79	0.26	1.57	0.24	17.04
MRS0202	295226	6792802	36.9	72.03	6.41	21.06	3.41	0.52	2.61	0.36	2.05	0.41	1.18	0.19	1.11	0.17	10.18
MRS0203	295202	6792800	34.7	66.94	6.13	20.14	3.27	0.5	2.44	0.34	1.98	0.41	1.15	0.19	1.07	0.17	10.53
MRS0204	295052	6792990	22.2	41.68	4.12	13.06	2.21	0.34	1.73	0.25	1.52	0.29	0.91	0.15	0.87	0.15	8.02
MRS0205	295074	6792999	32.1	76.74	5.76	18.53	2.94	0.46	2.4	0.34	2.03	0.42	1.26	0.2	1.16	0.18	11.25
MRS0206	295097	6793001	33.3	59.28	6.47	22.95	3.91	0.84	3.3	0.48	2.71	0.54	1.58	0.25	1.41	0.21	13.85
MRS0207	295121	6793008	32.3	74.63	5.86	19.94	3.2	0.57	2.67	0.36	2.29	0.43	1.26	0.2	1.17	0.18	10.8
MRS0208	295148	6793008	31.4	56.74	5.67	18.52	2.94	0.47	2.42	0.34	1.94	0.38	1.12	0.18	1.05	0.16	9.57
MRS0209	295175	6793003	32.2	76.42	5.68	18.8	3.08	0.48	2.52	0.35	2.06	0.41	1.23	0.2	1.23	0.18	10.65
MRS0210	295196	6793000	34.8	66.91	6.15	20.14	3.19	0.48	2.48	0.36	2.04	0.39	1.15	0.19	1.07	0.17	9.74

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0211	295224	6793006	39.5	139.04	7.33	23.82	3.94	0.58	3.22	0.43	2.48	0.47	1.41	0.22	1.29	0.19	11.75
MRS0212	295249	6793004	45.9	151.15	8.02	25.94	4.23	0.63	3.47	0.47	2.64	0.5	1.5	0.23	1.33	0.2	13
MRS0213	295274	6793001	60.1	218.02	10.85	35.28	5.72	0.92	4.75	0.65	3.67	0.72	2.02	0.31	1.87	0.28	17.49
MRS0214	295298	6793003	55.1	218.09	10.33	34.43	5.53	0.88	4.61	0.61	3.49	0.68	1.95	0.3	1.75	0.27	16.85
MRS0215	295327	6793008	46.5	96.16	8.27	27.95	4.41	0.71	3.49	0.49	2.79	0.55	1.63	0.25	1.5	0.23	13.97
MRS0216	295348	6793004	46.8	188.94	8.78	28.73	4.6	0.73	3.75	0.51	2.87	0.55	1.61	0.25	1.47	0.22	13.48
MRS0217	295373	6793004	52.2	350.32	9.8	31.9	5.36	0.81	4.74	0.61	3.5	0.65	1.92	0.3	1.71	0.25	16.39
MRS0218	295393	6793005	59.3	123.97	9.98	32.06	4.83	0.71	3.78	0.5	2.93	0.57	1.66	0.26	1.5	0.23	15.11
MRS0219	295422	6793005	61	134.37	10.47	33.45	5.06	0.77	4.02	0.52	2.91	0.57	1.64	0.25	1.48	0.23	14.95
MRS0220	295448	6792999	58	151.53	9.89	32.11	4.89	0.77	3.95	0.51	2.85	0.54	1.62	0.24	1.43	0.22	14.7
MRS0221	295470	6793005	46	179.75	9.17	29.6	4.38	0.81	4.07	0.55	2.8	0.52	1.54	0.24	1.38	0.21	13.21
MRS0222	295494	6793007	37.6	109.97	7.1	22.51	3.38	0.61	2.95	0.42	2.08	0.41	1.22	0.2	1.13	0.17	10.26
MRS0223	295527	6793004	54.5	88.09	9.85	31.16	4.33	0.75	3.73	0.51	2.66	0.52	1.55	0.24	1.36	0.21	15.03
MRS0224	295551	6793002	48.7	201.72	9.64	30.22	4.42	0.88	4.05	0.57	2.83	0.53	1.55	0.24	1.4	0.22	13.74
MRS0225	295408	6793197	72.4	218.88	13.7	42.39	5.78	1.17	5.48	0.74	3.64	0.75	2.15	0.31	1.84	0.28	21.02
MRS0226	295374	6793199	36.1	95.49	6.85	22.08	3.38	0.63	2.95	0.41	2.19	0.43	1.27	0.21	1.22	0.18	10.98
MRS0227	295350	6793204	90.7	172.05	15.82	50.44	6.84	1.25	6.22	0.81	3.96	0.77	2.2	0.32	1.92	0.3	22.3
MRS0228	295321	6793194	59.3	171.64	10.59	34.29	4.98	0.91	4.68	0.64	3.19	0.63	1.8	0.27	1.61	0.24	16.08
MRS0229	295303	6793196	79.4	105.27	13.55	42.77	5.73	0.94	4.87	0.63	2.97	0.58	1.69	0.25	1.43	0.22	16.61
MRS0230	295275	6793195	34.8	85.69	7.01	22.68	3.42	0.57	2.87	0.41	2.02	0.41	1.18	0.19	1.15	0.18	10.2
MRS0231	295255	6793193	39.9	76.42	7.13	22.79	3.36	0.54	2.95	0.43	2.24	0.43	1.29	0.2	1.19	0.18	11.39
MRS0232	295226	6793196	28.5	62.2	5.55	17.96	2.8	0.53	2.59	0.36	1.84	0.36	1.1	0.18	1.05	0.16	9.07
MRS0233	295202	6793197	42.8	96.15	8.25	26.18	3.83	0.58	3.31	0.45	2.2	0.41	1.17	0.18	1.07	0.16	10.24
MRS0234	295178	6793202	35.3	68.69	6.82	22.09	3.29	0.64	3.07	0.43	2.25	0.43	1.3	0.21	1.17	0.19	11.4
MRS0235	295157	6793203	37.4	74.25	7.02	22.71	3.44	0.6	3.01	0.42	2.1	0.41	1.22	0.2	1.16	0.17	10.11
MRS0236	295127	6793202	69.7	133.01	13.1	42.04	5.89	1.05	5.33	0.73	3.67	0.73	2.12	0.31	1.75	0.26	20.04
MRS0237	295104	6793196	33.2	79.4	6.38	21.1	3.34	0.62	2.96	0.43	2.27	0.43	1.29	0.21	1.37	0.19	10.29
MRS0238	295079	6793197	42.4	110.36	8.37	27.44	4.21	0.79	3.7	0.52	2.67	0.52	1.54	0.24	1.45	0.22	12.73
MRS0239	295054	6793202	41.7	157.52	8.22	25.98	4.02	0.7	3.66	0.52	2.61	0.5	1.45	0.23	1.36	0.21	12.21
MRS0240	295027	6793203	43.7	132.68	8.36	26.82	4.11	0.7	3.57	0.51	2.54	0.48	1.4	0.22	1.29	0.2	11.87
MRS0241	295005	6793196	41.9	106.72	8.13	26.74	4.02	0.74	3.79	0.51	2.62	0.51	1.51	0.24	1.33	0.21	13.17
MRS0242	294971	6793200	41.4	73.54	7.62	24.47	3.55	0.66	3.12	0.43	2.19	0.43	1.26	0.2	1.15	0.18	11.82
MRS0243	294953	6793200	33.8	68.5	6.41	20.98	3.15	0.62	2.82	0.41	2.03	0.42	1.27	0.21	1.19	0.18	10.99
MRS0244	294927	6793197	38.5	83.76	7.39	24.65	3.72	0.72	3.31	0.49	2.45	0.48	1.43	0.23	1.33	0.2	13.16
MRS0245	294900	6793199	83.8	117.15	15.32	50.75	7.11	1.36	6.87	0.9	4.48	0.88	2.58	0.37	2	0.31	27.46
MRS0246	294676	6793402	26.1	53.92	5.17	17.28	2.66	0.53	2.57	0.36	1.89	0.39	1.16	0.19	1.09	0.17	10.45
MRS0247	294698	6793397	24.4	80.65	4.83	15.82	2.62	0.5	2.45	0.35	1.81	0.37	1.14	0.18	1.11	0.17	9.3
MRS0248	294725	6793406	19	37.79	3.63	11.73	1.86	0.32	1.63	0.24	1.24	0.24	0.76	0.14	0.74	0.12	5.79
MRS0249	294750	6793402	32.1	54.51	5.95	19.71	2.92	0.6	2.86	0.41	2.11	0.44	1.26	0.2	1.15	0.18	12.66
MRS0250	294777	6793391	23	57.34	4.54	15.25	2.47	0.45	2.18	0.32	1.7	0.33	0.99	0.17	1.01	0.15	8.06
MRS0251	294798	6793393	24.3	42.55	4.81	15.51	2.59	0.4	2.13	0.32	1.64	0.36	1.06	0.17	1.09	0.17	9.41
MRS0252	294826	6793403	24.4	43.28	4.68	14.96	2.54	0.39	2.16	0.32	1.63	0.36	1.04	0.17	1.05	0.16	8.88
MRS0253	294847	6793403	28.8	46.12	5.36	16.37	2.63	0.4	2.14	0.31	1.6	0.35	1.03	0.17	1.05	0.16	8.17

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0254	294869	6793407	25.4	50.97	5.19	16.35	2.7	0.42	2.23	0.33	1.7	0.37	1.09	0.17	1.08	0.17	8.97
MRS0255	294895	6793411	42.2	61.83	8.19	25.82	4.15	0.66	3.45	0.48	2.45	0.54	1.54	0.23	1.41	0.21	14.37
MRS0256	294931	6793409	30.9	52.96	6.11	19.06	3.04	0.46	2.61	0.38	1.94	0.42	1.23	0.19	1.17	0.18	10.57
MRS0257	294950	6793409	62.2	98.68	11.56	35.68	5.43	0.83	4.52	0.62	3.12	0.66	1.88	0.26	1.63	0.25	19.1
MRS0258	294977	6793401	46.1	100.09	9.91	30.04	4.77	0.63	3.59	0.53	2.68	0.56	1.54	0.22	1.38	0.2	12.64
MRS0259	295000	6793403	46.4	123.34	9.65	30.68	5.04	0.73	4.58	0.66	3.61	0.78	2.15	0.29	1.74	0.26	19.14
MRS0260	295026	6793411	41.2	110.57	8.67	26.57	4.14	0.62	3.41	0.48	2.48	0.53	1.46	0.21	1.33	0.2	12.91
MRS0261	295050	6793408	39.2	155.89	8.36	25.68	4.26	0.62	3.55	0.52	2.68	0.56	1.58	0.22	1.4	0.21	12.78
MRS0262	295079	6793412	62.2	188.48	13.12	39.7	6.53	0.95	5.31	0.72	3.74	0.8	2.27	0.31	1.96	0.28	19.09
MRS0263	295098	6793398	43.3	123.89	8.57	25.74	3.89	0.52	3.3	0.44	2.27	0.49	1.45	0.21	1.36	0.2	12.08
MRS0264	295123	6793395	39.8	102.23	8.53	26.03	4.1	0.59	3.27	0.46	2.34	0.52	1.46	0.22	1.38	0.21	11.51
MRS0265	295150	6793406	51.9	73.53	10.25	29.78	4.49	0.62	3.55	0.48	2.45	0.54	1.46	0.21	1.32	0.21	12.99
MRS0266	295179	6793405	40.5	72.17	7.55	23.6	3.72	0.5	3.12	0.42	2.16	0.48	1.36	0.2	1.27	0.19	12.82
MRS0267	295206	6793406	29.8	58.55	5.91	18.5	3.02	0.44	2.49	0.34	1.8	0.4	1.17	0.18	1.13	0.18	10.33
MRS0268	295226	6793404	29.6	50.47	5.65	18.13	2.9	0.47	2.66	0.34	1.87	0.42	1.22	0.19	1.13	0.19	11.26
MRS0269	295247	6793403	25	45.3	5.12	16.23	2.69	0.42	2.28	0.31	1.65	0.37	1.07	0.17	1.07	0.17	9.53
MRS0270	295273	6793397	24.5	44.06	5.23	16.24	2.86	0.42	2.28	0.33	1.71	0.37	1.08	0.17	1.09	0.17	7.85
MRS0271	295299	6793405	27.4	46.56	5.38	16.72	2.72	0.41	2.28	0.32	1.63	0.36	0.99	0.16	1.02	0.16	8.37
MRS0272	295094	6793602	102.8	162.56	18.81	54.2	7.55	0.82	5.63	0.69	3.39	0.7	2.01	0.28	1.65	0.25	18.45
MRS0273	295077	6793599	77.6	150.26	13.29	38.7	5.75	0.71	4.52	0.6	3.19	0.69	1.98	0.28	1.66	0.25	19.06
MRS0274	295053	6793601	54.9	116.76	10.38	31.94	4.69	0.66	3.72	0.5	2.56	0.55	1.59	0.22	1.42	0.21	14.12
MRS0275	295026	6793604	37	62.09	7.54	22.58	3.58	0.49	2.73	0.4	2.09	0.45	1.33	0.2	1.25	0.19	11.25
MRS0276	295007	6793608	52.4	105.56	10.34	30.12	4.62	0.68	3.79	0.52	2.63	0.59	1.65	0.24	1.43	0.22	15.01
MRS0277	294975	6793607	41.8	74.26	8.71	26.91	4.43	0.67	3.62	0.5	2.68	0.58	1.67	0.24	1.54	0.24	13.12
MRS0278	294945	6793599	40	71.18	7.51	23.31	3.66	0.53	3.1	0.41	2.11	0.46	1.32	0.19	1.17	0.19	13.3
MRS0279	294926	6793597	31.7	69.65	6.69	21.69	3.55	0.57	3.1	0.43	2.22	0.49	1.41	0.21	1.31	0.2	11.86
MRS0280	294901	6793604	31.5	90.06	6.53	19.84	3.21	0.45	2.65	0.36	1.85	0.41	1.16	0.18	1.11	0.17	9.61
MRS0281	294877	6793603	36	191.29	8.16	24.9	4.14	0.66	3.47	0.47	2.45	0.52	1.53	0.23	1.42	0.22	11.46
MRS0282	294845	6793604	38.9	69.5	8.23	24.9	3.72	0.5	2.77	0.4	1.93	0.41	1.16	0.17	1.11	0.16	9.65
MRS0283	294825	6793600	26	62.47	5.52	17.09	2.96	0.47	2.51	0.36	1.96	0.43	1.25	0.19	1.27	0.19	10.01
MRS0284	294804	6793603	45.7	69.37	8.96	28.35	4.55	0.75	3.99	0.55	2.78	0.62	1.81	0.26	1.58	0.25	17.04
MRS0285	294777	6793603	38.8	62.29	7.82	24.42	4	0.67	3.37	0.48	2.52	0.57	1.61	0.24	1.46	0.23	14.59
MRS0286	294750	6793601	30.4	62.19	6.2	19.96	3.33	0.56	2.88	0.42	2.14	0.51	1.37	0.21	1.31	0.2	11.53
MRS0287	294724	6793611	22.9	65.65	4.89	15.32	2.64	0.45	2.3	0.34	1.75	0.39	1.17	0.18	1.19	0.18	9.21
MRS0288	294703	6793613	23.7	45.59	4.8	14.92	2.48	0.38	2.17	0.32	1.64	0.37	1.07	0.17	1.12	0.17	8.55
MRS0289	294675	6793605	34.3	63.46	6.78	22.3	3.73	0.69	3.58	0.52	2.69	0.61	1.8	0.25	1.59	0.24	19.44
MRS0290	294653	6793602	24.7	48.66	5.01	16.12	2.8	0.44	2.37	0.34	1.81	0.41	1.18	0.19	1.17	0.18	9.77
MRS0291	294628	6793605	22.5	44.24	4.63	14.7	2.62	0.43	2.24	0.32	1.75	0.37	1.09	0.17	1.11	0.17	8.88
MRS0292	294604	6793600	22.6	44.3	4.66	15.17	2.52	0.41	2.3	0.33	1.69	0.37	1.11	0.17	1.14	0.18	9.1
MRS0293	294453	6793811	23.9	84.4	5.25	17.44	3.09	0.54	2.76	0.4	2.09	0.48	1.35	0.2	1.33	0.21	11.05
MRS0294	294470	6793802	27.1	63.83	5.72	19.16	3.24	0.62	3.13	0.46	2.36	0.54	1.6	0.24	1.54	0.24	14.33
MRS0295	294497	6793809	20	91.87	4.28	14.35	2.48	0.46	2.07	0.3	1.82	0.38	1.12	0.18	1.12	0.17	9
MRS0296	294521	6793813	19.3	70.69	4.1	14.12	2.49	0.46	2.1	0.3	1.88	0.39	1.18	0.18	1.24	0.18	9.35

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0297	294546	6793807	23.7	66.08	4.83	16.3	2.86	0.55	2.33	0.34	2.14	0.45	1.31	0.2	1.31	0.2	11.19
MRS0298	294575	6793807	30.6	57.65	6.2	21.08	3.44	0.65	2.8	0.4	2.49	0.51	1.5	0.23	1.39	0.22	13.38
MRS0299	294592	6793809	42.8	201.96	10.34	35.1	6.42	1.33	5.58	0.81	4.96	0.99	2.8	0.39	2.43	0.35	23.86
MRS0300	294627	6793807	19	61.6	4.07	13.2	2.29	0.46	1.88	0.28	1.75	0.36	1.1	0.18	1.14	0.17	8.61
MRS0301	294651	6793799	18	50.95	3.84	12.74	2.37	0.43	1.85	0.28	1.74	0.38	1.14	0.18	1.21	0.18	8.7
MRS0302	294672	6793797	16.4	38.99	3.38	11.07	1.92	0.35	1.58	0.24	1.51	0.31	1.02	0.15	0.94	0.15	7.21
MRS0303	294699	6793800	17.1	42.92	3.72	12.47	2.21	0.41	1.71	0.25	1.61	0.33	1	0.16	1.06	0.15	8.12
MRS0304	294719	6793801	16.5	40.75	3.52	11.67	2.08	0.39	1.7	0.25	1.61	0.34	1	0.17	1.04	0.16	7.92
MRS0305	294748	6793797	17.1	36.31	3.58	11.57	2.06	0.36	1.6	0.24	1.45	0.31	0.94	0.16	0.98	0.15	7.08
MRS0306	294768	6793808	31.8	68.42	6.53	21.88	3.64	0.71	2.99	0.43	2.63	0.56	1.61	0.24	1.51	0.23	14.19
MRS0307	294795	6793805	38.2	57.3	6.72	23.09	3.55	0.69	3.05	0.42	2.53	0.53	1.57	0.23	1.42	0.21	16.11
MRS0308	294825	6793789	33.4	53.9	6.2	21.28	3.39	0.68	2.91	0.4	2.55	0.54	1.57	0.23	1.46	0.23	15.14
MRS0309	294843	6793796	39.8	84.96	7.89	27.1	4.41	0.91	3.88	0.54	3.25	0.69	2.01	0.28	1.84	0.27	19.79
MRS0310	294872	6793793	25.8	40.76	4.98	16.34	2.75	0.49	2.18	0.3	1.81	0.38	1.14	0.18	1.12	0.17	10.13
MRS0311	294899	6793798	26.4	49.32	5.06	17.02	2.78	0.51	2.19	0.33	1.98	0.42	1.25	0.2	1.3	0.2	10.8
MRS0312	294927	6793802	24	45.28	4.65	15.06	2.43	0.43	1.93	0.28	1.71	0.35	1.06	0.17	1.08	0.16	8.91
MRS0313	294948	6793804	22	41.05	4.17	13.4	2.19	0.39	1.65	0.23	1.48	0.31	0.91	0.15	0.91	0.14	7.48
MRS0314	294803	6793994	20.3	56.32	4.29	14.5	2.51	0.47	1.98	0.29	1.85	0.39	1.19	0.19	1.2	0.18	9.49
MRS0315	294775	6794001	21.7	52.25	4.48	15.07	2.59	0.49	2.07	0.31	1.92	0.4	1.19	0.19	1.18	0.18	10.06
MRS0316	294748	6794006	20.2	80.98	4.46	15.23	2.83	0.58	2.42	0.35	2.15	0.45	1.35	0.22	1.43	0.21	10
MRS0317	294720	6794006	20.1	114.06	4.62	15.62	2.92	0.6	2.51	0.36	2.7	0.45	1.37	0.22	1.43	0.22	10.06
MRS0318	294702	6793996	18.9	50.36	4.01	13.43	2.31	0.43	1.83	0.26	1.73	0.34	1.06	0.17	1.06	0.16	8.42
MRS0319	294680	6793996	20.6	51.72	4.26	13.94	2.48	0.48	1.98	0.29	1.8	0.38	1.14	0.18	1.16	0.18	9.45
MRS0320	294653	6794001	18	44.38	3.89	12.84	2.19	0.41	1.81	0.26	1.69	0.35	1.04	0.17	1.09	0.16	8.64
MRS0321	294624	6794006	18.4	41.87	3.79	12.5	2.16	0.4	1.73	0.27	1.61	0.32	0.99	0.16	1.03	0.15	8.15
MRS0322	294606	6794004	18.6	45.12	3.72	12.52	2.19	0.39	1.8	0.27	1.65	0.33	1.02	0.16	1.04	0.16	7.96
MRS0323	294570	6794010	18.5	76.36	3.93	13.18	2.3	0.44	1.92	0.29	1.82	0.37	1.11	0.18	1.14	0.17	8.98
MRS0324	294548	6794007	16.8	76.85	3.71	12.64	2.3	0.49	1.97	0.29	1.84	0.37	1.15	0.18	1.21	0.18	8.92
MRS0325	294525	6794007	17.2	54.29	3.64	12.29	2.11	0.43	1.8	0.27	1.72	0.35	1.07	0.17	1.12	0.16	8.84
MRS0326	294504	6794009	16.7	51.52	3.53	11.83	2.07	0.41	1.72	0.26	1.68	0.34	1.03	0.16	1.07	0.16	7.81
MRS0327	294478	6793997	15.3	40.09	3.58	11.95	2.26	0.45	1.86	0.28	1.75	0.37	1.13	0.18	1.19	0.19	8.5
MRS0328	294456	6793995	16	41.69	3.35	11.5	2.04	0.42	1.67	0.25	1.62	0.34	0.99	0.17	1.03	0.16	7.89
MRS0329	294429	6794003	16.7	48.6	3.54	11.9	2.12	0.42	1.76	0.26	1.66	0.34	1.01	0.16	1.06	0.16	7.86
MRS0330	294405	6794002	19.9	56.48	4.27	14.35	2.5	0.53	2.07	0.31	1.96	0.4	1.19	0.19	1.24	0.18	9.51
MRS0331	294378	6794002	21.8	55.95	4.81	16.15	2.81	0.55	2.29	0.33	2.07	0.42	1.24	0.19	1.22	0.18	9.8
MRS0332	294356	6794004	18.8	51.14	4.08	13.45	2.35	0.48	1.94	0.29	1.87	0.39	1.15	0.18	1.17	0.17	9.15
MRS0333	294327	6794010	18.6	48.36	3.87	13.39	2.32	0.46	1.88	0.28	1.81	0.36	1.08	0.18	1.14	0.17	8.94
MRS0334	294299	6794006	19.8	57.51	4.29	14.27	2.61	0.49	2.05	0.31	1.96	0.4	1.2	0.19	1.27	0.19	9.21
MRS0335	294146	6794195	17.5	42.41	3.75	12.42	2.2	0.44	1.77	0.27	1.68	0.37	1.08	0.17	1.09	0.17	8.44
MRS0336	294172	6794191	17.8	49.57	3.76	12.55	2.36	0.47	1.91	0.29	1.86	0.37	1.14	0.18	1.19	0.17	9.04
MRS0337	294190	6794200	16.9	36.25	3.61	11.55	2.11	0.39	1.65	0.25	1.55	0.32	0.96	0.15	0.99	0.15	7.76
MRS0338	294222	6794203	16.2	42.3	3.48	11.61	2.14	0.4	1.69	0.26	1.64	0.34	1.03	0.17	1.09	0.16	8.16
MRS0339	294247	6794206	16.6	32.92	3.51	11.99	2.13	0.38	1.78	0.28	1.51	0.31	0.97	0.14	1.05	0.16	7.48

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0340	294268	6794202	20.7	51.97	4.38	14.72	2.55	0.47	2.26	0.35	1.78	0.37	1.14	0.16	1.2	0.19	9.19
MRS0341	294292	6794207	20	43.07	4.07	14.31	2.48	0.46	2.13	0.32	1.78	0.37	1.14	0.16	1.18	0.18	9.31
MRS0342	294323	6794203	27.3	56.01	5.23	18.06	2.94	0.51	2.63	0.39	2.14	0.44	1.37	0.19	1.35	0.21	12.43
MRS0343	294345	6794210	22.1	54.89	4.48	15.06	2.66	0.48	2.4	0.36	1.89	0.41	1.25	0.17	1.22	0.19	10.01
MRS0344	294375	6794202	26.1	78.42	5.43	18.04	3.18	0.58	2.84	0.45	2.41	0.48	1.5	0.21	1.45	0.22	12.42
MRS0345	294395	6794202	19.6	44.95	3.97	13.49	2.33	0.43	2.07	0.32	1.74	0.35	1.1	0.15	1.16	0.18	9.37
MRS0346	294422	6794205	32	50.96	5.88	20.08	3.25	0.59	3.06	0.45	2.36	0.48	1.51	0.21	1.44	0.23	14.48
MRS0347	294450	6794202	21.4	83.45	4.43	14.37	2.51	0.44	2.21	0.34	1.79	0.37	1.13	0.16	1.15	0.18	8.9
MRS0348	294473	6794203	18.8	60.96	3.7	12.4	2.14	0.36	1.81	0.27	1.46	0.31	0.95	0.14	1.01	0.16	7.71
MRS0349	294497	6794206	25.9	74.59	4.93	16.74	2.63	0.49	2.34	0.34	1.78	0.36	1.11	0.16	1.07	0.16	9.25
MRS0350	294523	6794202	23	50.94	4.49	15.2	2.62	0.47	2.22	0.34	1.79	0.36	1.12	0.16	1.18	0.18	9.48
MRS0351	294550	6794209	22.2	85.01	4.77	15.76	2.89	0.51	2.57	0.38	2.08	0.4	1.26	0.18	1.24	0.19	9.96
MRS0352	294574	6794214	30.7	62.3	5.96	19.26	3.08	0.51	2.55	0.38	2	0.39	1.22	0.17	1.27	0.19	10.18
MRS0353	294601	6794205	19.6	46.53	3.87	12.77	2.18	0.33	1.73	0.26	1.39	0.28	0.86	0.13	0.9	0.13	6.97
MRS0354	294624	6794204	31.2	54.66	6	19.11	3.08	0.54	2.55	0.38	1.99	0.4	1.24	0.17	1.21	0.18	10.92
MRS0355	294645	6794202	18.6	42.89	3.68	12.03	2.04	0.35	1.76	0.25	1.5	0.27	0.87	0.13	0.95	0.15	7.29
MRS0356	294494	6794408	39.5	76.8	7.56	24.7	3.86	0.65	3.32	0.46	2.4	0.52	1.54	0.21	1.51	0.24	13.67
MRS0357	294479	6794401	31.1	50.44	5.5	18.54	2.85	0.5	2.47	0.36	1.86	0.37	1.15	0.16	1.11	0.18	11.18
MRS0358	294455	6794400	20.6	42.59	3.96	13.19	2.19	0.37	1.77	0.28	1.4	0.29	0.92	0.13	0.98	0.15	7.39
MRS0359	294428	6794394	22.1	42.8	4.09	13.4	2.18	0.36	1.83	0.27	1.45	0.29	0.92	0.13	0.99	0.15	7.46
MRS0360	294409	6794394	20.4	66.82	3.94	12.96	2.19	0.37	1.92	0.27	1.5	0.3	0.94	0.14	0.98	0.15	7.37
MRS0361	294377	6794402	27.4	56.7	5.23	17.08	2.8	0.48	2.42	0.36	1.92	0.37	1.16	0.17	1.16	0.18	9.92
MRS0362	294353	6794406	22.1	52.35	4.31	14.09	2.35	0.36	1.92	0.28	1.53	0.3	0.97	0.14	1.02	0.15	7.56
MRS0363	294329	6794400	34.2	58.32	5.98	19.7	3.2	0.55	2.8	0.41	2.15	0.44	1.38	0.18	1.36	0.2	13.48
MRS0364	294304	6794396	24.1	65.46	4.54	15.25	2.6	0.43	2.12	0.31	1.64	0.33	1.05	0.14	1.08	0.17	8.2
MRS0365	294277	6794393	30.2	65.49	5.67	18.43	2.95	0.47	2.46	0.35	1.87	0.38	1.17	0.16	1.15	0.18	9.8
MRS0366	294252	6794392	28.8	70.6	5.25	17.84	2.91	0.5	2.57	0.37	1.99	0.42	1.26	0.17	1.25	0.19	10.92
MRS0367	294228	6794400	25.3	66.91	4.93	16.38	2.7	0.46	2.29	0.34	1.75	0.35	1.12	0.16	1.15	0.18	9.27
MRS0368	294206	6794401	52	94.2	9.5	30.72	4.73	0.84	4.16	0.59	3.04	0.6	1.83	0.24	1.64	0.24	18.4
MRS0369	294174	6794400	23.5	49.12	4.54	15.07	2.52	0.43	2.26	0.33	1.73	0.35	1.06	0.15	1.09	0.17	9.36
MRS0370	294153	6794396	35.6	57.62	6.29	21.32	3.38	0.61	2.97	0.44	2.29	0.47	1.48	0.2	1.38	0.22	13.79
MRS0371	294128	6794402	24.7	170.22	5.09	17.27	3.08	0.55	2.93	0.4	2.11	0.43	1.32	0.19	1.38	0.21	10.49
MRS0372	294102	6794402	22.8	82.19	4.36	14.47	2.44	0.42	2.16	0.32	1.72	0.36	1.08	0.15	1.11	0.17	9.27
MRS0373	294076	6794404	23	106.25	4.71	15.8	2.86	0.5	2.57	0.39	2.05	0.41	1.28	0.18	1.34	0.19	10.25
MRS0374	294055	6794398	29.3	72.1	5.68	19.64	3.37	0.64	3.03	0.45	2.47	0.49	1.51	0.21	1.46	0.22	12.94
MRS0375	294028	6794393	20.3	53.51	4.02	13.3	2.38	0.42	2.04	0.32	1.71	0.36	1.12	0.16	1.16	0.18	8.44
MRS0376	294006	6794392	25	50.74	4.94	17.27	2.93	0.52	2.59	0.38	2.04	0.41	1.27	0.18	1.28	0.2	10.68
MRS0377	293848	6794600	27.6	60.58	5.29	17.67	2.89	0.48	2.41	0.35	1.84	0.36	1.14	0.16	1.16	0.18	8.94
MRS0378	293874	6794594	28	108.12	5.8	19.55	3.29	0.59	2.97	0.42	2.21	0.44	1.37	0.19	1.35	0.2	11.32
MRS0379	293897	6794604	22.3	47.75	4.31	14.17	2.47	0.4	1.99	0.29	1.52	0.31	0.97	0.14	1	0.15	7.99
MRS0380	293921	6794608	23.6	54.17	4.75	15.4	2.52	0.44	2.2	0.32	1.76	0.35	1.09	0.16	1.13	0.17	8.98
MRS0381	293946	6794603	22.8	54.32	4.4	14.43	2.41	0.42	2.07	0.31	1.62	0.33	1.03	0.15	1.02	0.16	8.13
MRS0382	293970	6794600	24	52.9	4.52	14.84	2.47	0.41	2.08	0.31	1.57	0.32	1.05	0.15	1.03	0.16	9.16

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0383	293998	6794604	21.6	46.21	4.27	13.18	2.2	0.43	1.9	0.28	1.57	0.31	0.95	0.15	0.98	0.14	7.88
MRS0384	294026	6794602	26.6	49.43	5.17	16.06	2.62	0.5	2.2	0.33	1.85	0.38	1.12	0.17	1.13	0.16	9.36
MRS0385	294043	6794599	27.1	60.11	5.35	16.99	2.72	0.52	2.33	0.34	1.87	0.36	1.09	0.17	1.1	0.16	8.9
MRS0386	294074	6794606	30.9	70.8	5.91	18.17	2.88	0.57	2.56	0.36	1.98	0.38	1.15	0.18	1.16	0.16	9.56
MRS0387	294099	6794608	23.9	121.45	5.16	16.66	2.87	0.56	2.57	0.37	2.13	0.42	1.25	0.19	1.23	0.17	9.74
MRS0388	294124	6794595	20.3	37.93	3.96	12.62	2.14	0.41	1.77	0.26	1.51	0.35	0.89	0.14	0.93	0.13	7.11
MRS0389	294153	6794595	20.5	42.89	4.09	13.23	2.2	0.41	1.8	0.26	1.53	0.3	0.9	0.15	0.93	0.13	7.34
MRS0390	294179	6794599	23.2	41.72	4.46	14.03	2.26	0.44	1.92	0.28	1.56	0.32	0.95	0.15	0.96	0.13	7.87
MRS0391	294201	6794594	20.3	37.4	4.07	12.34	2.01	0.37	1.72	0.25	1.4	0.29	0.86	0.14	0.87	0.12	7.04
MRS0392	294226	6794602	32.9	63.03	5.85	18.63	2.91	0.56	2.5	0.36	1.92	0.39	1.15	0.18	1.12	0.16	10.63
MRS0393	294250	6794600	23.5	89.34	4.81	15.09	2.57	0.47	2.17	0.32	1.79	0.35	1.05	0.17	1.09	0.15	8.04
MRS0394	294274	6794602	26.2	70.19	5.29	16.11	2.65	0.5	2.25	0.34	1.88	0.37	1.11	0.17	1.1	0.15	8.79
MRS0395	294302	6794603	23.4	44.49	4.62	14.52	2.4	0.46	2.03	0.29	1.69	0.33	1.02	0.16	1.03	0.15	8.24
MRS0396	294326	6794603	24.1	58.95	4.89	15.23	2.49	0.47	2.11	0.31	1.72	0.34	1.02	0.16	1.05	0.15	8.24
MRS0397	294348	6794603	22.7	40.99	4.47	14.14	2.35	0.42	1.96	0.29	1.62	0.32	0.98	0.16	0.99	0.14	8.02
MRS0398	294212	6794786	26.8	64.74	5.42	16.82	2.73	0.52	2.33	0.33	1.9	0.37	1.11	0.17	1.14	0.16	9.19
MRS0399	294180	6794792	50.1	85.69	8.89	27.46	4.02	0.76	3.49	0.5	2.74	0.55	1.57	0.23	1.46	0.2	15.23
MRS0400	294154	6794796	22.3	54.27	4.59	14.51	2.41	0.46	1.99	0.31	1.69	0.35	1.02	0.17	1.08	0.14	8.09
MRS0401	294129	6794802	30.5	66.18	6.21	19.52	3.21	0.63	2.64	0.39	2.19	0.44	1.28	0.2	1.27	0.17	10.01
MRS0402	294108	6794793	25.5	56.99	5.36	16.88	2.79	0.54	2.41	0.36	2.05	0.38	1.15	0.18	1.15	0.17	9.32
MRS0403	294078	6794800	23.8	64.36	5.04	15.96	2.69	0.54	2.37	0.35	1.97	0.39	1.15	0.18	1.17	0.16	9.31
MRS0404	294049	6794808	25.9	80.45	5.6	17.73	3.07	0.61	2.67	0.39	2.2	0.42	1.29	0.2	1.3	0.18	9.96
MRS0405	294024	6794805	28.4	69.5	6.05	18.87	3.04	0.62	2.54	0.38	2.19	0.42	1.24	0.19	1.25	0.17	9.96
MRS0406	293999	6794805	34.1	67.76	6.81	21.22	3.51	0.66	2.97	0.44	2.45	0.46	1.4	0.21	1.3	0.19	11.75
MRS0407	293975	6794804	24.8	66.05	5.23	16.78	2.87	0.55	2.41	0.36	2.07	0.39	1.16	0.18	1.2	0.17	8.81
MRS0408	293949	6794807	23.6	59.98	5	15.5	2.68	0.53	2.33	0.34	1.92	0.38	1.16	0.18	1.23	0.17	8.73
MRS0409	293927	6794811	22.7	51.52	4.74	14.95	2.44	0.5	2.07	0.32	1.8	0.35	1.08	0.17	1.07	0.15	8.15
MRS0410	293906	6794806	24.5	90.04	5.3	17.21	2.95	0.59	2.66	0.38	2.06	0.42	1.2	0.19	1.18	0.16	9.66
MRS0411	293877	6794797	21.8	61.72	4.63	14.58	2.53	0.49	2.17	0.33	1.89	0.37	1.09	0.17	1.12	0.16	8.28
MRS0412	293848	6794790	24.9	70.04	5.14	16.5	2.79	0.54	2.25	0.36	2.05	0.4	1.18	0.19	1.17	0.16	9.16
MRS0413	293821	6794794	25.2	64.88	5.33	16.72	2.8	0.56	2.35	0.36	2.06	0.41	1.21	0.19	1.21	0.16	9.68
MRS0414	293805	6794802	19.4	49.05	3.91	12.61	2.19	0.44	1.84	0.29	1.61	0.34	0.98	0.16	1.03	0.15	7.65
MRS0415	293773	6794806	19.2	50.75	4.05	12.62	2.19	0.45	1.91	0.31	1.71	0.32	0.98	0.16	1.03	0.14	7.4
MRS0416	293751	6794802	19.6	47.1	4.04	12.67	2.16	0.43	1.87	0.28	1.64	0.32	0.97	0.16	1.02	0.14	7.65
MRS0417	293724	6794802	22.5	61.35	4.73	15.11	2.61	0.53	2.26	0.33	1.94	0.39	1.15	0.2	1.18	0.16	8.46
MRS0418	293705	6794798	25.7	67.06	5.25	16.56	2.76	0.53	2.33	0.35	1.93	0.38	1.18	0.18	1.2	0.16	8.42
MRS0419	293544	6795003	20.9	58.8	4.46	14	2.36	0.49	2.01	0.31	1.8	0.35	1.08	0.17	1.12	0.16	8.23
MRS0420	293572	6795005	19.4	58.35	4.21	13.39	2.34	0.48	1.99	0.31	1.77	0.36	1.07	0.17	1.13	0.16	8.11
MRS0421	293596	6795001	20.6	48.93	4.37	13.78	2.39	0.49	2.03	0.3	1.75	0.35	1.03	0.16	1.04	0.14	8.24
MRS0422	293625	6795004	27.4	50.76	5.34	17.14	2.7	0.51	2.24	0.33	1.83	0.36	1.07	0.17	1.08	0.15	8.88
MRS0423	293648	6794997	21.7	52.17	4.38	13.94	2.28	0.46	2.03	0.29	1.63	0.32	0.99	0.15	1.01	0.14	7.59
MRS0424	293670	6795004	22.2	47.47	4.58	14.22	2.38	0.48	2.03	0.31	1.75	0.35	1.04	0.17	1.1	0.15	8.31
MRS0425	293698	6795012	24.9	52.51	5.11	15.6	2.64	0.5	2.14	0.32	1.78	0.35	1.04	0.17	1.07	0.15	8.62

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0426	293727	6795000	26.4	56.42	5.3	17.23	2.84	0.57	2.34	0.34	1.92	0.37	1.14	0.17	1.11	0.16	9.28
MRS0427	293749	6795001	32.2	65.78	6.12	19.3	2.99	0.56	2.5	0.35	2.19	0.41	1.15	0.19	1.21	0.19	10.26
MRS0428	293773	6795002	31.1	54.22	5.94	19.26	2.9	0.56	2.44	0.34	1.93	0.42	1.15	0.19	1.15	0.17	10.64
MRS0429	293795	6795002	27.1	61.58	5.68	18.06	3.01	0.62	2.5	0.36	2.07	0.43	1.21	0.2	1.31	0.19	9.62
MRS0430	293822	6795000	28.8	86.08	6.32	20.67	3.35	0.65	2.77	0.38	2.15	0.45	1.26	0.21	1.27	0.19	10.49
MRS0431	293845	6795005	23.2	49.51	4.51	14.5	2.27	0.44	1.85	0.26	1.53	0.33	0.92	0.16	1	0.15	7.44
MRS0432	293876	6795006	60.1	97.35	10.52	31.78	4.4	0.81	3.49	0.48	2.57	0.51	1.4	0.23	1.28	0.2	13.68
MRS0433	293900	6795005	31.6	60.43	5.71	17.56	2.6	0.48	2.1	0.29	1.7	0.35	0.99	0.17	1	0.15	8.55
MRS0434	293925	6795005	29.3	56.19	5.51	16.96	2.63	0.52	2.11	0.3	1.65	0.35	1	0.17	1.01	0.16	8.71
MRS0435	293949	6795000	32.2	66.22	6.14	18.93	2.92	0.54	2.37	0.33	1.92	0.41	1.11	0.19	1.08	0.17	9.96
MRS0436	293977	6794999	65.7	123.33	11.9	35.26	4.95	0.78	3.84	0.53	2.9	0.58	1.57	0.24	1.39	0.21	14.81
MRS0437	294001	6794998	40.1	83.81	7.75	23.69	3.46	0.65	2.71	0.38	2.14	0.44	1.23	0.2	1.18	0.18	10.85
MRS0438	294023	6795000	45.4	86.87	8.26	25.31	3.54	0.64	2.61	0.38	2.1	0.43	1.22	0.2	1.19	0.18	10.93
MRS0439	294044	6795004	45.2	92.22	8.35	24.92	3.74	0.68	2.87	0.4	2.29	0.46	1.31	0.21	1.27	0.2	11.64
MRS0440	294071	6795007	47.7	96.72	8.98	27.92	4.08	0.74	3.13	0.44	2.42	0.5	1.39	0.22	1.38	0.2	12.19
MRS0441	293909	6795181	47.6	90.78	9.21	28.05	4.12	0.73	3.2	0.43	2.47	0.52	1.43	0.22	1.35	0.21	13.02
MRS0442	293882	6795193	41.9	84.46	8.14	25.09	3.74	0.7	2.92	0.4	2.25	0.46	1.28	0.21	1.25	0.18	11.16
MRS0443	293858	6795199	46.6	96.44	9.12	27.35	4.13	0.75	3.21	0.44	2.48	0.51	1.43	0.22	1.37	0.21	12.38
MRS0444	293823	6795199	39.8	75.34	7.49	23	3.35	0.62	2.68	0.38	2.17	0.45	1.25	0.2	1.21	0.19	11.19
MRS0445	293803	6795198	49.1	96.68	9.26	28.03	4.04	0.65	3.15	0.41	2.28	0.45	1.24	0.2	1.17	0.18	11.11
MRS0446	293774	6795204	48.6	76.94	8.55	26.15	3.98	0.74	3.3	0.45	2.53	0.53	1.44	0.24	1.45	0.21	13.52
MRS0447	293751	6795196	58.7	144.05	10.67	31.73	4.56	0.71	3.57	0.46	2.43	0.5	1.34	0.2	1.21	0.18	12.18
MRS0448	293725	6795197	43.3	91.58	8.6	25.49	3.9	0.67	3.05	0.42	2.3	0.45	1.31	0.2	1.24	0.19	11.52
MRS0449	293704	6795201	44.6	74.79	8.14	25.69	3.61	0.68	3.04	0.4	2.22	0.47	1.33	0.21	1.25	0.2	11.9
MRS0450	293678	6795204	41.3	84.25	7.84	23.38	3.52	0.7	2.86	0.39	2.24	0.46	1.27	0.2	1.24	0.18	11.49
MRS0451	293650	6795205	50.3	101.23	9.81	30.14	4.59	0.88	3.77	0.5	2.91	0.61	1.69	0.26	1.54	0.23	16.31
MRS0452	293623	6795201	42.3	68.94	7.86	24.63	3.53	0.71	2.87	0.39	2.26	0.46	1.28	0.2	1.2	0.18	11.83
MRS0453	293604	6795202	30	54.58	5.68	17.24	2.66	0.52	2.1	0.3	1.69	0.34	0.98	0.16	0.97	0.15	8.46
MRS0454	293574	6795203	49.8	89.14	8.82	27.07	3.86	0.72	3.24	0.44	2.5	0.52	1.5	0.24	1.43	0.22	14.15
MRS0455	293547	6795198	29	57.74	5.5	17.48	2.67	0.52	2.28	0.3	1.81	0.37	1.07	0.18	1.12	0.16	9.26
MRS0456	293525	6795197	23.9	50.87	4.75	15.27	2.49	0.5	1.98	0.28	1.71	0.35	0.99	0.18	1.07	0.17	8
MRS0457	293503	6795204	40.2	69.96	7.85	24.1	3.6	0.69	2.97	0.4	2.29	0.47	1.33	0.21	1.31	0.2	12.78
MRS0458	293477	6795200	21.2	51.48	4.16	13.3	2.25	0.43	1.86	0.27	1.61	0.34	0.99	0.17	1.04	0.16	7.75
MRS0459	293450	6795200	27.4	58.3	5.4	17.04	2.71	0.57	2.3	0.32	1.97	0.4	1.14	0.2	1.2	0.18	10.12
MRS0460	293423	6795198	24	57.02	4.8	14.96	2.47	0.5	2.02	0.29	1.7	0.35	1.02	0.17	1.04	0.16	8.73
MRS0461	293406	6795196	22.1	50.31	4.28	13.69	2.25	0.44	1.95	0.26	1.57	0.33	0.95	0.16	1	0.15	8.18
MRS0462	293248	6795403	30.5	68.41	5.95	18.43	2.9	0.57	2.39	0.34	2.02	0.43	1.17	0.2	1.21	0.18	10.24
MRS0463	293271	6795407	20	47.19	3.94	12.7	2.03	0.43	1.77	0.26	1.57	0.33	0.93	0.16	1.01	0.16	8.25
MRS0464	293298	6795401	21.3	43.92	4.16	13.12	2.13	0.43	1.76	0.25	1.46	0.31	0.88	0.15	0.97	0.15	7.81
MRS0465	293323	6795402	32.6	65.25	6.22	19.23	2.92	0.6	2.48	0.34	1.95	0.4	1.12	0.19	1.15	0.17	9.64
MRS0466	293345	6795404	41.8	85.76	7.96	25.04	3.7	0.73	3.04	0.41	2.34	0.49	1.38	0.23	1.37	0.21	12.04
MRS0467	293370	6795403	45.2	87.35	8.47	26.57	3.89	0.71	3.17	0.44	2.46	0.52	1.47	0.24	1.5	0.22	13.14
MRS0468	293399	6795403	54.6	83.61	9.52	29.17	4.2	0.77	3.54	0.46	2.67	0.54	1.52	0.23	1.43	0.21	14.94

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0469	293425	6795402	64.5	138.32	12.07	35.78	5.22	0.77	4.1	0.55	3.07	0.63	1.66	0.26	1.6	0.23	14.6
MRS0470	293446	6795405	38.8	83.5	7.59	24.04	3.49	0.67	2.85	0.39	2.27	0.48	1.34	0.21	1.33	0.2	11.73
MRS0471	293474	6795412	52.5	97.27	9.83	29	4.52	0.77	3.42	0.47	2.65	0.55	1.52	0.22	1.4	0.22	13.57
MRS0472	293494	6795409	40.8	84.37	7.75	23.45	3.66	0.72	3.05	0.43	2.4	0.51	1.41	0.21	1.34	0.21	12.52
MRS0473	293521	6795410	38.7	87.34	7.46	22.84	3.67	0.67	3.03	0.42	2.39	0.5	1.36	0.2	1.24	0.2	11.75
MRS0474	293544	6795406	42	91.14	8.03	25.33	4.11	0.78	3.41	0.47	2.74	0.58	1.58	0.23	1.44	0.23	13.5
MRS0475	293575	6795403	40.8	91.44	7.66	23.39	3.69	0.68	2.87	0.39	2.3	0.46	1.27	0.19	1.18	0.18	11.14
MRS0476	293597	6795402	45.8	110.1	8.83	26.91	4.12	0.75	3.2	0.44	2.5	0.51	1.45	0.21	1.33	0.21	12.38
MRS0477	293626	6795403	46	90.05	8.8	27.66	4.3	0.82	3.49	0.49	2.77	0.57	1.58	0.23	1.44	0.23	14.12
MRS0478	293645	6795403	43.4	102.79	8.14	24.76	3.8	0.7	3.02	0.43	2.4	0.49	1.39	0.2	1.32	0.2	11.88
MRS0479	293670	6795402	45.3	78.31	8.13	25.09	3.83	0.74	3.12	0.4	2.37	0.5	1.36	0.2	1.23	0.19	13.21
MRS0480	293698	6795404	42.5	78.52	7.99	24.24	3.86	0.72	3.08	0.42	2.34	0.49	1.32	0.19	1.22	0.2	11.91
MRS0481	293725	6795400	53.1	112.57	10.4	31.32	5.02	0.92	3.86	0.55	3.03	0.64	1.76	0.27	1.58	0.25	15.78
MRS0482	293742	6795407	42.4	70.61	7.56	23.13	3.49	0.65	2.88	0.37	2.11	0.44	1.19	0.17	1.09	0.17	11.57
MRS0778	297894	6790408	99.2	188.91	16.26	46.66	7.67	0.82	5.8	0.78	4.19	0.83	2.34	0.34	2.2	0.35	19.8
MRS0779	297921	6790406	186.3	198.73	30.13	92.42	12.84	2.17	11.2	1.44	7.84	1.69	4.62	0.65	3.71	0.59	52.33
MRS0780	297945	6790406	171.7	285.85	33.85	93.99	12.86	1.75	8.69	1.19	6.75	1.34	3.71	0.5	3.16	0.46	30.21
MRS0781	297973	6790409	139	186.81	23.23	69.87	9.78	1.54	7.65	0.98	5.37	1.11	3.12	0.44	2.78	0.45	28.38
MRS0782	298001	6790402	99.2	216.93	17.07	50.67	7.07	1.11	5.39	0.73	4.39	0.92	2.58	0.39	2.46	0.38	23.51
MRS0783	298026	6790399	132.4	211.2	25.89	77.74	12.3	1.92	10.42	1.41	7.42	1.42	3.5	0.47	2.67	0.4	33.29
MRS0784	298047	6790388	135.1	181.14	23.53	69.78	10.12	1.54	8.01	1.07	6.07	1.25	3.36	0.47	2.85	0.43	30.78
MRS0785	298074	6790387	93.2	225.36	15.88	46.33	6.63	1.02	5.23	0.72	3.96	0.82	2.29	0.33	2.17	0.32	20.16
MRS0786	298100	6790395	94.6	173.21	16.81	48.6	7.09	1.13	5.66	0.76	4.27	0.88	2.4	0.36	2.18	0.33	21.77
MRS0787	298022	6790627	157.1	289.59	26.2	72.66	9.87	1.34	7.32	0.99	5.55	1.17	3.23	0.48	2.82	0.42	28.72
MRS0788	298049	6790604	168.4	275.64	29.85	85.14	11.56	1.56	8.12	1	5.32	1.05	2.87	0.39	2.39	0.36	28.68
MRS0789	298073	6790609	144.2	239.27	25.88	72.09	9.85	1.39	6.74	0.87	4.69	0.92	2.57	0.36	2.2	0.34	22.89
MRS0790	298098	6790606	124.7	193.41	21.58	63.77	8.92	1.29	6.76	0.86	4.85	1.03	2.83	0.4	2.51	0.4	26.64
MRS0791	298127	6790591	99.3	165.96	17.59	50.83	7.42	1.15	5.47	0.72	3.96	0.81	2.3	0.33	1.99	0.32	20.76
MRS0792	297431	6791197	125.7	219.35	21.46	54.33	6.62	0.87	3.96	0.53	2.78	0.53	1.45	0.21	1.35	0.2	11.51
MRS0793	297447	6791203	106.9	202.57	18.88	51.54	6.98	1.06	5.15	0.71	4.17	0.81	2.26	0.34	2.09	0.31	18.24
MRS0794	297476	6791202	64.8	102.79	10.07	28.92	4.25	0.7	3.18	0.45	2.57	0.53	1.53	0.23	1.47	0.24	13.47
MRS0795	295749	6792098	95	224.46	16.6	47.14	7.02	1.05	5.48	0.71	3.98	0.8	2.2	0.31	1.88	0.3	20.78
MRS0796	295772	6792099	109	210.9	18.85	54.63	7.13	1.11	5.4	0.67	3.4	0.7	1.86	0.25	1.52	0.24	18.84
MRS0797	295724	6792099	124.2	177.48	19.62	57.27	7.37	1.1	5.8	0.71	3.8	0.77	2.1	0.29	1.69	0.27	21.18
MRS0798	295193	6792352	54	75.03	9.17	27.05	4.03	0.66	3.06	0.42	2.34	0.48	1.37	0.2	1.25	0.2	12.29
MRS0799	295172	6792345	67.1	114.88	11.74	34.02	5.11	0.79	3.95	0.53	2.89	0.57	1.54	0.22	1.35	0.21	14.09
MRS0800	295154	6792350	66.7	133.27	11.36	33.08	5.04	0.78	3.9	0.52	2.88	0.6	1.67	0.25	1.59	0.26	14.51
MRS0801	295131	6792346	65.9	122.91	11.68	34.97	5.36	0.85	4.18	0.54	3.16	0.62	1.72	0.24	1.54	0.24	15.29
MRS0802	295099	6792353	83.6	130.09	14.21	42.57	5.99	0.87	4.48	0.58	3.09	0.63	1.65	0.24	1.45	0.22	16.13
MRS0803	295072	6792359	128.3	224.55	22.71	66.48	9.46	1.11	7.12	0.89	4.47	0.87	2.3	0.32	1.87	0.3	21.52
MRS0804	295048	6792355	83.9	119.47	14.4	44.23	6.44	1.02	5.06	0.65	3.61	0.72	1.92	0.26	1.6	0.26	18.97
MRS0805	295032	6792358	65.7	114.86	11.62	34.37	5.01	0.76	3.87	0.51	2.76	0.56	1.49	0.21	1.33	0.22	13.47
MRS0806	295003	6792355	64.2	102.51	11.16	32.22	4.78	0.63	3.51	0.47	2.52	0.49	1.37	0.19	1.23	0.19	12.38

Sample_ID	MGA94_51E	MGA94_51N	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Y ppm
MRS0807	295762	6792493	81.6	243.93	14.04	39.48	5.62	0.82	4.29	0.58	3.09	0.61	1.61	0.22	1.36	0.21	15.58
MRS0808	295776	6792499	82.5	132.24	13.65	39.87	5.85	0.9	4.72	0.65	3.78	0.78	2.1	0.3	1.73	0.26	21.02
MRS0809	295797	6792502	92.7	165.78	15.09	43.32	5.9	0.81	4.57	0.61	3.45	0.71	1.97	0.29	1.77	0.27	18.52
MRS0810	295754	6792710	63.6	93.74	11.58	36.76	5.23	0.89	4.2	0.6	3.2	0.72	2.08	0.29	1.76	0.27	18.25
MRS0811	295771	6792705	86.1	128.94	14.84	46.91	6.4	1.06	5.12	0.73	3.93	0.82	2.39	0.32	2.07	0.3	21.31
MRS0812	295794	6792707	110.4	125.18	22.32	67.81	9.28	1.44	6.75	0.97	5.06	1.06	3.07	0.41	2.62	0.37	26.36
MRS0813	295823	6792708	112.2	173.21	19.54	60.7	8.47	1.23	6.8	1.02	5.42	1.21	3.34	0.44	2.73	0.42	29.85
MRS0814	295843	6792705	92.2	177.81	15.84	47	6.17	0.9	4.75	0.68	3.62	0.79	2.28	0.32	1.99	0.29	19.51
MRS0815	295873	6792709	102.1	147.8	18.17	54.33	7.4	1.13	5.57	0.81	4.22	0.9	2.55	0.35	2.16	0.32	21.85
MRS0816	295750	6792803	59.4	116.2	10.85	32.99	4.59	0.76	3.53	0.53	2.72	0.58	1.67	0.24	1.5	0.22	13.54
MRS0817	295726	6792800	76.3	143.87	13.46	41.24	5.96	0.91	4.53	0.65	3.39	0.71	2.01	0.29	1.8	0.27	17.36
MRS0818	295599	6793001	42.9	104.62	7.93	23.9	3.47	0.55	2.75	0.41	2.24	0.49	1.41	0.22	1.33	0.2	12.06
MRS0819	295571	6793003	35	104.48	6.79	21.25	3.16	0.55	2.61	0.38	2.02	0.43	1.28	0.19	1.2	0.18	10.3
MRS0820	295454	6793202	34.3	100.78	6.44	19.93	2.97	0.51	2.38	0.35	1.88	0.41	1.21	0.19	1.14	0.18	9.32
MRS0821	295420	6793210	47.1	96.58	9.32	29.12	4.28	0.77	3.41	0.49	2.58	0.55	1.62	0.24	1.47	0.22	12.54

Location and pXRF results of rock samples from Redlings Project

Sample_ID	MGA94_51E	MGA94_51N	La ppm	La Error ppm	Ce ppm	Ce Error ppm	Y ppm	Y Error ppm
Sample 1	297406	6791609	149	28	1802	83	16	2
Sample 2	295768	6792609	868	33	579	79	142	5
Sample 3	295784	6792658	180	27	497	75	15	2
Sample 4	295748	6792502	2568	53	3892	115	296	7

DISCLAIMER

Forward-looking statements are statements that are not historical facts. Words such as “expect(s)”, “feel(s)”, “believe(s)”, “will”, “may”, “anticipate(s)”, “potential(s)”and similar expressions are intended to identify forward-looking statements. These statements include, but are not limited to statements regarding future production, resources or reserves and exploration results. All of such statements are subject to certain risks and uncertainties, many of which are difficult to predict and generally beyond the control of the Company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. These risks and uncertainties include, but are not limited to: (i) those relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits and conclusions of economic evaluations, (ii) risks relating to possible variations in reserves, grade, planned mining dilution and ore loss, or recovery rates and changes in project parameters as plans continue to be refined, (iii) the potential for delays in exploration or development activities or the completion of feasibility studies, (iv) risks related to commodity price and foreign exchange rate fluctuations, (v) risks related to failure to obtain adequate financing on a timely basis and on acceptable terms or delays in obtaining governmental approvals or in the completion of development or construction activities, and (vi) other risks and uncertainties related to the Company’s prospects, properties and business strategy. Our audience is cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, and we do not undertake any obligation to revise and disseminate forward-looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.

COMPETENT PERSON STATEMENT

The information in this report which relates to Exploration Results is based on information compiled by Mr. Matthew Ridgway, a Competent Person who is a member of the Australian Institute of Geoscientists. Mr Ridgway is an external consultant to Marquee Resources Limited. Mr Ridgway confirms there is no potential for a conflict of interest in acting as a Competent Person. Mr Ridgway has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the “Australian Code of Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Ridgway consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

AUTHORISATION

The provision of this announcement to ASX has been authorised by the board of directors of the Company.

CONTACT

If there are any queries in relation to this announcement, please contact the Company’s Executive Chairman, Charles Thomas, by telephone on +61 8 6380 2470 or by email at charles@marqueeresources.com.au.

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• Auger soil sampling is a reconnaissance stage technique and offers only an indication of the tenor of underlying mineralisation. • Auger soil samples were taken from drilled spoil, scooped by hand from the top of the spoil pile to represent end of hole material. • Samples were of several hundred grams each and collected in paper packets. • Sample preparation and laboratory analysis was undertaken at Minanalytical Laboratories, Canning Vale, Perth, Western Australia. • All samples submitted for laboratory analysis underwent drying and were pulverized to 85 % passing 75 microns each, from which a 0.25 g charge was taken for four-acid digest and ICP analysis. • None of the samples are appropriate for Mineral Resource estimates.
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• Auger holes were drilled vertically down to the bedrock interface. • Auger diameter was 90 mm. • In 89 % of holes, final depth was less than one metre.

Criteria	JORC Code explanation	Commentary
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• Auger sample recoveries were 100%. • Some sample bias may have occurred during augering through sandy soils, in which material may have fallen in to the hole and diluted the end of hole sample.
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• Samples were logged with a colour of end of hole material and depth of hole.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• All samples submitted for analysis underwent drying and were pulverized to 85 % passing 75 microns each, from which a 0.25 g charge was taken for four-acid digest and ICP analysis. • This sample preparation technique is considered appropriate for the type and tenor of mineralisation. • The laboratory inserted certified reference material and blanks into the analytical sequence and analysed lab duplicates. These appear to confirm accuracy and precision of the sample assays.

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.*	• The analytical technique used for the soil samples is partial, but nearly total, and considered appropriate for the stage of exploration undertaken. • The laboratory inserted certified reference material and blanks into the analytical sequence and analysed duplicates. These appear to confirm accuracy and precision of the sample assays. • The rock samples were analysed by a M-series Olympus Vanta hand-held portable XRF instrument. • Apart from daily calibration of the pXRF, no quality control procedures were applied to the instrument readings.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• Laboratory duplicates, certified reference materials and blanks were inserted in to the laboratory analytical sequence, the results of which verify the results reported. • No adjustment has been made to the reported assay data.
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• The coordinate system used is MGA_94 Zone 51. • A handheld GPS was used to record the position of the auger holes. Horizontal accuracy was +/- 3 metres. • Location accuracy at collars is considered adequate for this stage of exploration.

Criteria	JORC Code explanation	Commentary
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• Auger hole spacing was approximately 25 metres along 200 metre-spaced lines. • The spacing is appropriate for this stage of exploration. • The samples are not appropriate for Mineral Resource estimation.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• The surface sample line orientation is nearly perpendicular to the interpreted orientation of the mineralisation and is considered appropriate.
Sample security	• *The measures taken to ensure sample security.*	• Samples were kept by the company representatives and submitted directly to the laboratory.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No audits or reviews beyond consultant geologists have been conducted on the exploration data reported in this release.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• The Redlings tenement E37/1311 is 100 % owned by Marquee Resource Limited. • There are currently no valid native title claims over the tenement. • There are no known impediments to ongoing work at the project.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• A brief history of previous exploration was released to the market on 11 December, 2019.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The project is located in the northern Eastern Goldfields of Western Australia, in granitic rocks between the Mt Ida and Norseman-Wiluna Greenstone Belts. • The Redlings REE mineralisation is hosted in a mafic/ultramafic dyke, itself hosted within a biotite monzogranite. The exact deposit type is yet to be determined pending petrological analysis.

Criteria	JORC Code explanation	Commentary

Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*
	  ○ *easting and northing of the drill hole collar*
	  ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
	  ○ *dip and azimuth of the hole*
	  ○ *down hole length and interception depth*
	  ○ *hole length.*
	• *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*
		• This information is not relevant due to the effectively surficial nature of the sampling programme and early stage of exploration.

Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• No grade truncation has been applied to these results.

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• The type of sampling reporting in this release has no ability to indicate potential widths of mineralisation.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• Summary plans are included in this announcement.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• The news release is considered to represent balanced reporting. Further evaluation of these results is ongoing. • Due to the nature of the sampling, the results are to be considered indicative only and not material.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• A brief history of previous exploration work was released to the market by the company on 11 December 2019.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Further auger soil sampling is planned to infill in areas of uncertainty and to confirm and extend auger soil data. • Drilling of high priority targets is intended as per the body of the release. • The diagrams in the release show the target areas.