

Details of the 17 Nos. of External Check samples analysed for REE and associated Trace Elements (34 Element) by ICPMS																				
Sl. No.	Primary Sample No.	External Check Sample No.	Sc	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	ΣREE+Y	ΣREE+Sc+Y
1	MLBRS-4	MLEC-01	2.64	15.57	28.92	54.06	6.48	21.91	3.63	0.57	3.79	0.53	3.05	0.62	1.81	0.21	1.62	0.20	127.40	145.60
2	MLBRS-15	MLEC-02	2.16	7.58	119.61	208.91	24.02	74.53	8.77	1.10	5.74	0.53	2.25	0.37	0.95	0.10	0.76	0.10	447.74	457.48
3	MLBRS-18	MLEC-03	16.59	50.15	313.73	655.57	69.01	188.79	26.57	4.92	19.48	2.14	10.68	1.90	5.22	0.57	4.32	0.51	1303.40	1370.14
4	MLBRS-31	MLEC-04	9.46	29.99	173.57	353.54	37.10	101.56	15.19	2.87	11.60	1.25	6.12	1.11	3.04	0.34	2.55	0.31	710.16	749.60
5	MLBRS-48	MLEC-05	1.11	6.10	15.65	28.45	3.35	11.05	1.82	1.07	1.72	0.23	1.37	0.27	0.88	0.12	1.04	0.13	67.17	74.38
6	MLSS-07	MLEC-06	2.87	65.43	130.87	244.32	27.84	91.91	14.46	1.46	13.57	1.83	10.63	2.20	6.64	0.82	6.20	0.78	553.53	621.83
7	MLSS-18	MLEC-07	1.80	62.10	120.72	202.99	24.41	84.91	13.63	1.07	13.69	1.86	10.45	2.04	5.84	0.70	5.18	0.63	488.14	552.04
8	MLSS-27	MLEC-08	2.89	37.42	66.59	122.01	14.56	48.57	7.95	0.68	8.04	1.10	6.39	1.27	3.69	0.44	3.20	0.40	284.90	325.21
9	MLSS-34	MLEC-09	3.16	18.91	24.02	42.73	5.30	18.57	3.15	0.58	3.48	0.51	3.14	0.68	2.07	0.26	2.08	0.26	106.82	128.90
10	MLSS-43	MLEC-10	5.72	41.70	88.45	155.57	18.88	66.91	9.61	1.03	8.89	1.18	6.73	1.42	4.40	0.57	4.53	0.61	368.79	416.22
11	MLS-06	MLEC-11	16.43	22.46	39.57	83.32	9.89	32.65	5.32	1.18	5.40	0.67	4.12	0.79	2.64	0.32	2.45	0.31	188.63	227.52
12	MLS-19	MLEC-12	9.71	23.58	38.66	99.17	9.38	33.02	5.37	1.19	5.48	0.68	4.34	0.82	2.76	0.33	2.58	0.32	204.10	237.39
13	MLS-30	MLEC-13	17.68	31.08	121.69	270.58	28.61	74.84	12.48	2.55	10.20	1.11	6.30	1.10	3.58	0.42	3.16	0.38	537.00	585.76
14	MLS-46	MLEC-14	11.58	17.24	35.40	80.23	8.58	29.92	4.36	0.88	4.13	0.52	3.29	0.65	2.23	0.27	2.11	0.28	172.87	201.70
15	MLS-56	MLEC-15	12.18	33.42	128.21	266.68	31.45	86.44	13.65	2.64	10.99	1.15	6.52	1.12	3.62	0.42	3.13	0.39	556.40	601.99
16	MLS-61	MLEC-16	6.49	29.21	53.02	100.59	12.52	43.97	6.87	0.85	6.93	0.87	5.25	0.98	3.23	0.39	2.94	0.36	238.76	274.46
17	MLS-65	MLEC-17	9.27	25.68	36.64	77.68	9.34	32.58	5.46	1.21	5.57	0.73	4.80	0.92	3.12	0.38	2.86	0.36	181.65	216.61
Sl. No.	Primary Sample No.	External Check Sample No.	Li	Be	V	Cu	Zn	Ga	Rb	Sr	Zr	Nb	Sn	Ba	Hf	Ta	W	Pb	Th	U
1	MLBRS-4	MLEC-01	ND	4.06	8.47	3.61	29.31	19.13	233.0	55.23	103.9	9.99	0.83	384.0	2.61	2.24	328.0	56.78	30.43	5.08
2	MLBRS-15	MLEC-02	ND	3.91	17.98	9.80	70.66	25.23	173.0	99.56	165.6	7.96	0.41	456.0	3.46	1.48	56.00	36.31	59.39	3.20
3	MLBRS-18	MLEC-03	38.00	4.94	96.15	28.62	160.9	25.62	166.0	259.3	35.02	40.28	2.64	440.0	0.52	2.26	117.0	55.56	44.94	2.91
4	MLBRS-31	MLEC-04	65.00	3.74	69.05	47.02	132.0	21.51	183.0	231.7	25.04	30.08	1.62	489.0	0.25	1.69	146.0	29.61	33.76	2.99
5	MLBRS-48	MLEC-05	25.36	2.86	2.90	4.55	23.59	16.57	202.0	83.07	18.97	ND	ND	348.0	0.01	0.74	291.0	35.55	4.69	2.46
6	MLSS-07	MLEC-06	35.00	1.93	25.92	16.11	72.21	22.23	154.0	92.73	92.19	8.41	0.83	534.0	1.67	1.37	ND	51.17	51.31	6.18
7	MLSS-18	MLEC-07	32.25	1.51	23.93	28.57	71.52	21.65	155.0	62.96	97.14	3.79	1.01	507.0	1.78	1.24	366.0	48.33	64.85	6.20
8	MLSS-27	MLEC-08	30.12	1.56	31.00	20.43	62.53	20.51	147.0	59.18	137.8	5.04	0.75	472.0	2.85	1.14	393.0	43.69	32.69	4.40
9	MLSS-34	MLEC-09	87.00	1.87	34.79	17.68	46.11	19.10	91.00	63.37	60.65	1.22	0.21	400.0	1.04	1.17	73.00	44.45	14.83	2.73
10	MLSS-43	MLEC-10	21.00	3.13	40.16	14.91	63.83	26.17	186.0	96.13	281.7	27.84	1.03	505.0	6.29	2.15	348.00	53.09	52.00	5.17
11	MLS-06	MLEC-11	ND	4.82	141.5	36.34	130.9	23.52	117.0	25.50	74.69	20.80	5.17	244.0	1.82	4.22	ND	41.15	17.10	3.95
12	MLS-19	MLEC-12	ND	3.76	114.3	43.62	74.15	19.92	102.0	30.56	78.95	14.59	2.66	242.0	1.63	1.96	10.00	49.04	15.10	3.07
13	MLS-30	MLEC-13	8.00	5.98	131.4	29.59	88.58	25.39	197.0	60.59	40.04	32.14	3.46	219.0	0.61	2.05	ND	38.52	33.82	4.63
14	MLS-46	MLEC-14	ND	2.52	124.0	28.42	71.17	21.17	104.0	27.04	88.88	19.84	2.71	170.0	1.69	1.69	ND	36.25	18.15	3.30
15	MLS-56	MLEC-15	ND	6.40	134.4	29.97	104.1	28.25	164.0	86.82	48.18	34.87	3.06	267.0	0.78	2.02	213.0	41.61	35.36	4.06
16	MLS-61	MLEC-16	ND	3.24	70.37	19.92	64.38	19.00	202.0	55.43	111.1	13.76	2.90	259.0	2.53	1.43	3.00	47.70	33.39	5.34
17	MLS-65	MLEC-17	ND	4.83	53.18	46.81	95.89	27.50	181.0	36.14	132.2	17.64	3.45	329.0	2.69	2.30	ND	54.41	19.32	4.55