



**BUREAU  
VERITAS**

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MINERAL TESTING & LABORATORY SERVICES

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Reference: **aa040901**  
Date Finished: 03/06/2019  
Order:  
Project:  
Date Received: 21/05/2019  
Type of Sample: Rock Chips  
Samples Analysed: **79**

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**FINAL ANALYSIS REPORT**  
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**Analysis of Mineral Samples**

for

**Podium Minerals Ltd**

Level 9

256 Adelaide Terrace Perth WA 6000

**Attention:** Mr Doug Cook

**Authorised By:**

Vaughn Noble  
Senior Chemist

Fabian Gregus  
Chemist

Michael Grieger  
Chemist

Jenet Hwende  
Laboratory Manager



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Method	AR102	AR102	AR102	AR101	AR102	AR102	AR101	AR102
Result Name	Au	Au Rep1	Ag	Al	As	Ba	Ca	Cd
Units	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	0.05	100	0.5	1	100	0.1
HLR-001	35	32	0.25	3000	136	106	<100	0.2
HLR-002	4	NR	0.05	2400	20.5	18	<100	<0.1
HLR-003	21	18	0.05	1900	18.5	12	<100	<0.1
HLR-004	59	44	0.25	1700	63.0	24	<100	0.1
HLR-005	4	NR	0.05	2400	52.5	18	<100	<0.1
HLR-006	7	NR	0.10	1600	48.0	14	<100	<0.1
HLR-007	14	NR	0.45	1.13%	262	27	<100	0.1
HLR-008	3	NR	0.10	3800	230	41	<100	<0.1
HLR-009	3	NR	0.05	2700	125	26	<100	<0.1
HLR-010	4	NR	0.20	1400	164	13	<100	0.3
HLR-011	3	NR	0.05	4900	82.5	35	<100	<0.1
HLR-012	11	NR	0.10	3500	109	17	<100	<0.1
HLR-013	9	NR	0.10	1600	105	35	<100	<0.1
HLR-014	3	NR	<0.05	1500	83.5	32	<100	0.1
HLR-015	3	NR	0.10	1.11%	428	24	200	0.7
HLR-016	1	NR	<0.05	1600	28.0	11	<100	<0.1
HLR-017	2	NR	<0.05	1900	26.5	18	<100	<0.1
HLR-018	6	NR	0.10	3400	122	19	<100	0.2
HLR-019	7	NR	0.10	5200	136	87	<100	0.2
HLR-020	3	NR	0.05	3800	59.5	39	<100	<0.1
HLR-021	2	NR	<0.05	2400	26.5	13	<100	<0.1
HLR-022	2	NR	0.10	9400	235	35	<100	0.5
HLR-023	4	NR	0.15	3700	348	25	<100	0.8
HLR-024	4	NR	0.05	3700	153	51	<100	<0.1
HLR-025	2	NR	0.05	4300	57.5	15	<100	<0.1
HLR-026	5	NR	0.15	5500	342	53	<100	0.3
HLR-027	2	NR	<0.05	2600	1030	196	<100	2.6
HLR-028	1	NR	0.05	2900	33.0	19	<100	<0.1
HLR-029	3	NR	0.10	6100	223	30	<100	0.2
HLR-030	3	NR	0.05	5800	131	45	<100	0.3
HLR-031	1	NR	0.05	8500	130	34	<100	0.1
HLR-032	1	NR	<0.05	4200	53.5	18	<100	<0.1
HLR-033	<1	NR	<0.05	5800	80.0	12	<100	<0.1
HLR-034	4	NR	0.05	3000	180	112	200	0.4
HLR-035	3	NR	0.05	1.48%	136	97	200	0.4
HLR-036	2	NR	<0.05	1.09%	223	63	<100	0.3
HLR-037	2	NR	0.10	3400	33.5	30	<100	<0.1
HLR-038	<1	NR	<0.05	2900	18.0	17	<100	<0.1
HLR-039	1	NR	0.05	2100	28.0	10	<100	<0.1
HLR-040	8	NR	0.05	3700	52.5	16	<100	<0.1
HLR-041	2	NR	0.05	8600	362	36	<100	0.2



Reference: aa040901 Order Number: Page 2 of 9

Method	AR102	AR102	AR102	AR101	AR102	AR102	AR101	AR102
Result Name	Au	Au Rep1	Ag	Al	As	Ba	Ca	Cd
Units	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	0.05	100	0.5	1	100	0.1
HLR-042	3	NR	0.20	4300	1180	234	200	3.2
HLR-043	2	NR	0.10	2.19%	836	51	<100	0.7
HLR-044	1	NR	0.10	9400	159	165	<100	0.3
HLR-045	9	NR	0.15	2200	39.5	20	<100	<0.1
HLR-046	5	NR	0.30	2100	125	885	<100	5.3
HLR-047	8	NR	<0.05	3700	129	71	<100	0.4
HLR-048	7	NR	0.10	2800	55.0	37	<100	0.2
HLR-049	4	NR	<0.05	800	41.5	18	<100	<0.1
HLR-050	11	NR	0.10	1.25%	58.5	16	<100	<0.1
HLR-051	5	NR	0.10	6600	248	37	<100	0.2
HLR-052	3	NR	0.10	2400	58.5	40	<100	<0.1
HLR-053	3	NR	0.10	9300	424	43	<100	0.3
HLR-054	3	NR	0.15	6300	29.5	111	<100	<0.1
HLR-055	2	NR	0.05	6200	717	19	<100	1.0
HLR-056	3	NR	0.10	4600	614	27	<100	0.2
HLR-057	2	NR	0.05	4800	278	45	200	0.1
HLR-058	1	NR	0.10	5700	82.5	30	<100	<0.1
HLR-059	1	NR	0.10	9300	149	47	<100	<0.1
HLR-060	<1	NR	<0.05	1500	30.0	14	<100	<0.1
HLR-061	<1	NR	<0.05	2800	66.5	10	<100	<0.1
HLR-062	<1	NR	<0.05	1400	37.0	10	<100	<0.1
HLR-063	3	NR	0.10	7300	651	93	<100	<0.1
HLR-064	10	NR	0.10	4200	257	31	<100	<0.1
HLR-065	4	NR	0.05	3600	30.5	124	<100	<0.1
HLR-066	3	NR	<0.05	3500	62.5	23	200	<0.1
HLR-067	3	NR	0.15	2600	53.0	15	<100	0.1
HLR-068	2	NR	0.10	1.15%	85.0	16	<100	<0.1
HLR-069	1	NR	0.15	2600	204	22	<100	<0.1
HLR-070	20	20	0.10	7200	402	38	<100	0.2
HLR-071	26	33	0.05	2100	130	20	<100	0.1
HLR-072	4	NR	0.15	6900	724	45	300	0.2
HLR-073	3	NR	0.15	6800	745	46	200	0.2
HLR-074	2	NR	0.10	8900	1080	33	<100	0.4
HLR-075	3	NR	0.05	4500	1770	31	200	1.5
HLR-076	2	NR	<0.05	700	44.5	9	<100	<0.1
HLR-077	2	NR	0.15	4200	107	35	<100	<0.1
HLR-078	4	NR	0.15	9900	517	78	200	<0.1
HLR-079	12	NR	0.10	7700	396	83	<100	<0.1

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Reference: aa040901 Order Number: Page 3 of 9

Method	AR101	AR101	AR101	AR101	AR101	AR101	AR101	AR101
Result Name	Co	Cr	Cu	Fe	K	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	1	100	100	10	100	10
HLR-001	10	30	56	3.76%	500	<10	200	440
HLR-002	2	30	29	2.43%	200	<10	<100	120
HLR-003	2	30	14	1.74%	300	<10	<100	100
HLR-004	4	30	31	2.80%	400	<10	<100	210
HLR-005	3	30	15	2.73%	500	<10	<100	100
HLR-006	2	30	18	2.06%	300	<10	<100	100
HLR-007	11	30	116	11.1%	900	<10	200	70
HLR-008	2	30	36	6.02%	900	<10	<100	90
HLR-009	4	30	33	4.06%	700	<10	<100	100
HLR-010	2	30	56	2.77%	300	<10	<100	120
HLR-011	2	30	12	3.12%	900	<10	<100	70
HLR-012	4	30	27	3.99%	400	<10	<100	130
HLR-013	2	40	16	2.51%	300	<10	<100	100
HLR-014	3	30	27	3.04%	100	<10	<100	100
HLR-015	9	30	99	13.6%	500	<10	200	90
HLR-016	2	30	12	1.55%	100	<10	<100	80
HLR-017	2	40	8	2.29%	200	<10	<100	100
HLR-018	54	20	127	8.07%	200	<10	300	360
HLR-019	41	20	78	8.81%	300	<10	200	220
HLR-020	2	50	22	5.06%	400	<10	<100	70
HLR-021	<1	30	7	2.50%	200	<10	<100	60
HLR-022	15	20	102	9.61%	400	<10	<100	60
HLR-023	14	10	118	11.5%	200	<10	<100	90
HLR-024	10	30	77	6.41%	200	<10	<100	90
HLR-025	2	30	29	4.05%	300	<10	<100	80
HLR-026	55	20	341	16.4%	600	<10	200	170
HLR-027	59	20	86	13.9%	500	<10	200	4010
HLR-028	2	20	16	2.20%	400	<10	<100	100
HLR-029	26	20	75	17.4%	900	<10	200	110
HLR-030	11	20	49	12.0%	2000	<10	300	50
HLR-031	3	20	25	6.63%	300	<10	<100	90
HLR-032	3	20	17	3.73%	200	<10	<100	70
HLR-033	6	30	12	3.14%	200	<10	<100	120
HLR-034	37	20	95	11.7%	200	<10	<100	770
HLR-035	10	30	71	15.6%	2000	<10	300	110
HLR-036	8	30	75	15.0%	1300	<10	300	170
HLR-037	<1	30	13	2.26%	200	<10	<100	70
HLR-038	3	20	12	1.92%	400	<10	<100	140
HLR-039	3	30	19	2.53%	100	<10	<100	90
HLR-040	2	30	37	3.22%	600	<10	<100	80
HLR-041	13	20	53	11.7%	1700	<10	200	70



Reference: aa040901 Order Number: Page 4 of 9

Method	AR101	AR101	AR101	AR101	AR101	AR101	AR101	AR101
Result Name	Co	Cr	Cu	Fe	K	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	1	100	100	10	100	10
HLR-042	50	10	253	18.2%	700	<10	200	800
HLR-043	9	20	113	17.7%	700	<10	200	70
HLR-044	9	30	96	13.7%	700	<10	200	100
HLR-045	4	20	23	3.49%	300	<10	<100	80
HLR-046	374	30	79	2.85%	600	10	<100	9060
HLR-047	8	20	49	4.28%	600	<10	<100	140
HLR-048	5	20	27	2.84%	400	<10	<100	270
HLR-049	3	30	20	1.66%	300	<10	<100	90
HLR-050	6	30	26	4.28%	300	<10	<100	150
HLR-051	9	30	37	7.59%	1200	<10	200	90
HLR-052	3	30	19	2.81%	300	<10	<100	80
HLR-053	12	30	92	10.7%	1600	<10	300	70
HLR-054	2	30	38	3.79%	500	<10	<100	60
HLR-055	9	20	36	9.32%	600	<10	<100	90
HLR-056	4	20	44	9.54%	400	<10	<100	80
HLR-057	7	10	17	15.2%	500	<10	200	70
HLR-058	4	30	29	3.56%	1300	<10	<100	70
HLR-059	2	40	38	4.11%	1400	<10	200	60
HLR-060	<1	20	10	1.63%	300	<10	<100	90
HLR-061	2	30	15	2.30%	300	<10	<100	110
HLR-062	<1	30	5	1.79%	<100	<10	<100	140
HLR-063	<1	120	50	23.4%	400	<10	200	50
HLR-064	5	40	27	16.7%	1100	<10	300	160
HLR-065	14	30	40	2.68%	500	<10	<100	1680
HLR-066	2	40	19	2.95%	600	<10	200	120
HLR-067	8	30	42	9.39%	300	<10	200	210
HLR-068	4	30	31	7.80%	300	<10	200	150
HLR-069	10	20	23	6.46%	600	<10	<100	90
HLR-070	19	30	208	16.6%	700	<10	200	130
HLR-071	6	30	17	3.29%	500	<10	<100	110
HLR-072	8	20	42	13.2%	600	<10	200	60
HLR-073	8	20	40	12.8%	600	<10	200	60
HLR-074	4	20	32	13.4%	500	<10	200	50
HLR-075	17	<10	72	17.5%	300	<10	<100	180
HLR-076	2	20	5	1.62%	200	<10	<100	110
HLR-077	<1	20	19	6.82%	1600	<10	200	60
HLR-078	8	20	51	14.9%	1400	<10	200	80
HLR-079	13	20	42	11.5%	2900	<10	400	80

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Reference: aa040901 Order Number: Page 5 of 9

Method	AR102	AR101	AR101	AR101	AR102	AR101	AR101	AR101
Result Name	Mo	Na	Ni	P	Pb	S	Sc	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	20	1	50	1	1
HLR-001	4.6	100	31	80	31	450	<1	2
HLR-002	2.2	<100	13	100	8	150	<1	2
HLR-003	2.2	<100	11	40	3	<50	<1	2
HLR-004	3.0	<100	17	40	27	<50	<1	<1
HLR-005	3.0	<100	14	80	5	100	<1	2
HLR-006	2.2	<100	9	60	24	100	<1	5
HLR-007	13.8	<100	33	80	9	350	2	5
HLR-008	4.0	<100	8	180	6	150	<1	11
HLR-009	4.2	<100	19	120	3	50	<1	6
HLR-010	2.4	<100	10	40	383	100	<1	1
HLR-011	3.0	<100	14	100	16	100	<1	12
HLR-012	3.2	<100	19	80	13	100	<1	2
HLR-013	3.8	<100	11	60	10	200	<1	5
HLR-014	1.8	<100	13	200	6	50	<1	4
HLR-015	3.4	<100	50	580	18	100	3	2
HLR-016	1.2	<100	11	60	1	<50	<1	1
HLR-017	2.6	<100	9	60	4	50	<1	6
HLR-018	8.4	<100	158	360	33	100	<1	1
HLR-019	7.4	<100	114	560	37	150	<1	12
HLR-020	5.0	<100	8	140	5	150	<1	5
HLR-021	3.2	<100	5	80	2	<50	<1	2
HLR-022	5.0	<100	122	1180	19	100	3	9
HLR-023	7.2	<100	97	1440	13	100	1	5
HLR-024	3.6	<100	38	320	2	50	1	2
HLR-025	3.6	<100	11	100	2	50	<1	2
HLR-026	14.8	<100	187	540	7	350	1	7
HLR-027	15.2	<100	292	420	29	50	<1	9
HLR-028	2.2	<100	9	100	2	50	<1	5
HLR-029	7.4	<100	195	1480	9	100	<1	7
HLR-030	9.4	<100	114	1140	4	<50	<1	6
HLR-031	5.6	<100	28	160	2	150	<1	2
HLR-032	3.6	<100	31	240	4	50	<1	4
HLR-033	2.2	<100	22	140	2	<50	1	4
HLR-034	3.6	<100	93	880	4	100	1	7
HLR-035	2.4	<100	63	1220	7	150	11	5
HLR-036	2.6	<100	51	960	5	150	8	4
HLR-037	3.4	<100	6	100	11	50	<1	23
HLR-038	1.6	<100	12	80	3	50	<1	1
HLR-039	2.2	<100	16	80	4	50	<1	<1
HLR-040	4.2	<100	9	100	2	150	<1	4
HLR-041	7.0	<100	63	560	7	100	1	7



Reference: aa040901 Order Number: Page 6 of 9

Method	AR102	AR101	AR101	AR101	AR102	AR101	AR101	AR101
Result Name	Mo	Na	Ni	P	Pb	S	Sc	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	20	1	50	1	1
HLR-042	13.6	<100	181	1480	204	150	1	17
HLR-043	13.6	<100	72	1260	27	150	2	34
HLR-044	3.0	<100	56	720	4	200	1	5
HLR-045	3.4	<100	16	80	3	350	<1	2
HLR-046	6.6	<100	61	120	7	100	<1	26
HLR-047	4.0	<100	29	280	23	50	<1	6
HLR-048	2.6	<100	11	100	49	<50	<1	1
HLR-049	2.2	<100	15	60	2	50	<1	<1
HLR-050	5.0	<100	14	80	4	<50	<1	6
HLR-051	5.8	<100	43	360	8	100	1	6
HLR-052	3.6	<100	20	160	4	100	<1	2
HLR-053	6.8	<100	61	720	5	100	1	5
HLR-054	3.0	<100	17	100	2	100	<1	5
HLR-055	6.4	<100	46	520	8	<50	<1	1
HLR-056	6.2	<100	27	440	11	150	<1	30
HLR-057	5.2	<100	74	2220	3	150	<1	39
HLR-058	6.2	<100	16	60	1	<50	<1	5
HLR-059	6.0	<100	13	100	4	100	1	23
HLR-060	1.8	<100	6	120	<1	<50	<1	5
HLR-061	3.8	<100	10	60	1	<50	<1	3
HLR-062	1.8	<100	5	60	1	<50	<1	2
HLR-063	10.4	<100	3	480	43	750	4	5
HLR-064	6.4	<100	112	1100	4	100	6	1
HLR-065	2.4	<100	12	80	9	<50	1	3
HLR-066	2.6	<100	8	80	3	100	<1	5
HLR-067	5.8	<100	52	280	11	100	1	1
HLR-068	4.4	<100	39	300	2	100	4	3
HLR-069	3.2	<100	52	400	4	<50	2	8
HLR-070	20.0	<100	104	600	8	150	3	14
HLR-071	2.8	<100	19	60	7	100	<1	1
HLR-072	6.6	<100	71	1120	3	200	<1	23
HLR-073	6.8	<100	68	1060	3	200	<1	22
HLR-074	6.4	<100	37	680	5	300	1	14
HLR-075	6.0	<100	70	2560	1	150	<1	16
HLR-076	2.2	<100	9	60	<1	<50	<1	3
HLR-077	4.2	<100	5	220	2	200	1	6
HLR-078	6.8	<100	72	2040	2	200	8	47
HLR-079	3.8	<100	73	1040	5	<50	2	2

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Reference: aa040901 Order Number: Page 7 of 9

Method	AR101	AR101	AR102	AR101	AR101
Result Name	Ti	V	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	10	0.05	1	1
HLR-001	<50	<10	4.50	42	3
HLR-002	<50	<10	0.90	29	3
HLR-003	<50	<10	1.00	7	2
HLR-004	<50	<10	2.20	37	2
HLR-005	<50	<10	1.50	18	4
HLR-006	<50	<10	1.70	28	2
HLR-007	<50	70	5.45	132	5
HLR-008	<50	20	1.05	14	3
HLR-009	<50	10	1.30	33	3
HLR-010	<50	<10	1.40	114	2
HLR-011	<50	10	1.50	30	4
HLR-012	<50	10	1.20	26	4
HLR-013	<50	<10	0.60	17	2
HLR-014	<50	<10	0.90	21	1
HLR-015	<50	30	4.75	83	6
HLR-016	<50	<10	0.45	10	2
HLR-017	<50	<10	0.65	6	2
HLR-018	<50	<10	7.95	278	2
HLR-019	<50	10	7.50	231	3
HLR-020	<50	30	1.25	9	3
HLR-021	<50	10	0.35	3	2
HLR-022	<50	50	7.10	171	3
HLR-023	<50	50	6.10	222	<1
HLR-024	<50	20	2.20	73	3
HLR-025	<50	10	1.35	11	3
HLR-026	<50	30	10.3	551	3
HLR-027	<50	10	18.3	621	<1
HLR-028	<50	10	0.70	6	3
HLR-029	<50	10	10.1	393	5
HLR-030	<50	20	2.05	269	4
HLR-031	<50	10	1.40	38	4
HLR-032	<50	<10	1.65	44	4
HLR-033	<50	10	1.05	25	3
HLR-034	<50	40	5.15	193	2
HLR-035	<50	150	4.85	160	4
HLR-036	<50	120	3.50	117	4
HLR-037	<50	30	0.50	4	2
HLR-038	<50	<10	1.00	18	4
HLR-039	<50	<10	1.00	21	3
HLR-040	<50	10	0.95	10	4
HLR-041	<50	20	4.90	118	5





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Method	AR101	AR101	AR102	AR101	AR101
Result Name	Ti	V	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	10	0.05	1	1
HLR-042	<50	110	24.5	485	2
HLR-043	<50	40	5.05	148	<1
HLR-044	<50	10	2.55	100	5
HLR-045	<50	<10	0.95	18	2
HLR-046	<50	<10	4.85	91	3
HLR-047	<50	10	2.00	167	3
HLR-048	<50	10	1.00	57	3
HLR-049	<50	<10	0.90	17	2
HLR-050	<50	40	0.50	10	3
HLR-051	<50	20	3.70	85	5
HLR-052	<50	<10	1.35	30	3
HLR-053	<50	30	3.25	146	5
HLR-054	<50	10	1.15	32	3
HLR-055	<50	10	3.65	114	4
HLR-056	<50	30	1.60	42	4
HLR-057	<50	40	4.00	240	6
HLR-058	<50	30	1.10	26	3
HLR-059	<50	50	1.05	7	4
HLR-060	<50	<10	0.50	6	2
HLR-061	<50	10	0.40	6	3
HLR-062	<50	<10	0.40	3	2
HLR-063	50	650	2.05	2	5
HLR-064	<50	30	9.05	475	<1
HLR-065	<50	20	1.40	13	3
HLR-066	<50	50	0.55	12	2
HLR-067	<50	20	2.60	186	2
HLR-068	<50	110	3.05	71	<1
HLR-069	<50	10	5.80	75	5
HLR-070	<50	30	4.55	274	7
HLR-071	<50	<10	1.55	24	4
HLR-072	<50	20	2.85	101	2
HLR-073	<50	20	2.85	97	2
HLR-074	<50	40	3.30	56	3
HLR-075	<50	<10	9.25	292	<1
HLR-076	<50	<10	0.30	5	1
HLR-077	<50	20	1.05	6	5
HLR-078	<50	60	14.2	83	5
HLR-079	<50	20	8.95	117	3

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These results pertain to the samples as received at this laboratory.  
Where standards are reported, the nominal value for the element is reported above the result found.

"NR" Implies result is not required for this determination

"M" Implies this result reported in ppm

"%" Implies this result reported in %

**Sample Storage**

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The excess material (Residue) will be held after 30 days  
The pulp samples (Pulp) will be held after 60 days as per instructions.

**Sample Preparation**

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**Digest and Analysis:**

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The samples have been digested with Aqua Regia. This is a partial digest though it is extremely efficient for extraction of Gold. Easily digested elements show good recoveries however others (particularly the refractory oxides and silicates) are poorly extracted.

Al,Ca,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,P,S,Sc,Sr,Ti,V,Zn,Zr  
have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.  
Ag,As,Au,Au,Rep1,Ba,Cd,Mo,Pb,Y  
have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry.