



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: **u281980**
Date Finished: 23/11/2017
Order: NC-002
Project: Wollongorang
Date Received: 06/11/2017
Samples Analysed: **434**

FINAL ANALYSIS REPORT

Analysis of Mineral Samples

for

Northern Cobalt Ltd

67 Goodwood Rd Wayville SA 5034

Attention: Mr. M Schwarz

Authorised By:

Tom Lowther

Operations Manager

Bureau Veritas Minerals Pty Ltd



Reference: u281980 Order Number: NC-002 Page 1 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
11526	20	NR	<5	<5	0.24	70	1.79	7.54
11527	19	NR	<5	<5	0.97	70	1.84	8.34
11528	68	64	<5	<5	1.24	90	2.92	6.49
11529	5	NR	<5	<5	0.99	50	1.82	6.91
11530	28	NR	<5	<5	1.34	30	1.45	6.90
11531	48	NR	<5	<5	0.81	40	1.71	6.71
11532	4	NR	<5	<5	0.09	20	1.21	2.30
11533	3	NR	<5	<5	0.11	10	1.33	3.51
11534	6	NR	<5	<5	0.10	20	1.59	5.21
11535	7	NR	<5	<5	0.10	50	2.26	6.75
11536	1	NR	<5	<5	0.06	20	0.86	1.85
11536 Rpt	1	NR	<5	<5	0.06	20	0.85	1.90
11537	<1	NR	<5	<5	0.07	20	1.00	1.88
11537 Rpt	2	NR	<5	<5	0.07	20	1.01	1.90
11538	<1	NR	<5	<5	0.07	20	0.69	1.64
11539	2	NR	<5	<5	0.05	<10	0.71	1.34
11541	3	NR	<5	<5	0.20	20	1.29	8.12
11542	6	NR	<5	<5	0.14	40	2.85	9.91
11543	5	NR	<5	<5	0.15	40	3.01	9.86
11544	18	NR	5	<5	0.15	60	3.61	8.56
11545	7	NR	<5	<5	0.18	50	3.58	6.47
11546	4	NR	<5	<5	0.21	50	4.17	8.12
11547	3	NR	<5	<5	0.20	50	4.03	8.73
Std Nominal	52	52	45	45	5.91	230	9.63	0.60
Determined	51	NR	45	45	5.91	160	9.47	0.61
11548	4	NR	<5	<5	0.20	50	4.50	9.20
11549	3	NR	<5	<5	0.20	50	4.29	9.24
11550	3	NR	<5	<5	0.21	40	3.72	9.60
11551	4	NR	<5	<5	0.20	50	5.06	8.98
11552	2	NR	<5	<5	0.49	40	4.56	9.15
11553	1	NR	<5	<5	0.20	40	3.15	9.85
11554	2	NR	<5	<5	0.20	40	2.79	10.1
11555	2	NR	<5	<5	0.19	30	2.82	8.73
11556	1	NR	<5	<5	0.20	40	4.92	9.06
11557	3	NR	<5	<5	8.20	20	4.24	5.18
11558	2	NR	<5	<5	8.85	20	3.08	6.53
11559	3	NR	<5	<5	5.01	10	2.89	8.48
11561	<1	NR	<5	<5	3.08	10	3.50	9.27
11562	1	NR	<5	<5	2.00	10	3.51	8.23
11563	1	NR	<5	<5	3.35	10	3.64	8.89
11563 Rpt	<1	NR	<5	<5	3.33	10	3.62	8.87
11564	1	NR	<5	<5	3.98	20	4.12	8.28



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Reference: u281980 Order Number: NC-002 Page 2 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
11565	3	NR	<5	<5	4.16	10	2.86	8.90
11565 Rpt	2	NR	<5	<5	4.20	20	2.87	8.93
11566	2	NR	<5	<5	2.67	10	3.27	9.31
Std Nominal	1.37M	1.37M			2.48	170	8.65	2.35
Determined	1.36M	NR	<5	<5	2.50	130	8.30	2.31
11630	4	NR	<5	<5	0.07	20	3.84	3.89
11631	2	NR	<5	<5	0.08	<10	1.02	1.74
11632	2	NR	<5	<5	0.06	<10	0.98	1.70
11633	1	NR	<5	<5	0.08	20	1.31	2.67
11634	4	NR	<5	<5	0.08	20	1.57	3.89
11635	11	NR	<5	<5	0.09	30	2.39	7.44
11636	47	NR	<5	5	0.14	40	1.83	7.34
11637	21	NR	<5	<5	0.11	30	1.87	7.11
11638	1	NR	<5	<5	0.07	<10	0.82	1.85
11639	1	NR	<5	<5	0.13	<10	1.43	2.63
11640	2	NR	<5	<5	0.12	<10	1.37	2.60
11641	2	NR	<5	<5	0.11	10	1.22	2.57
11642	2	NR	<5	<5	0.13	<10	0.87	2.18
11643	1	NR	<5	<5	0.17	30	2.70	5.12
11644	2	NR	<5	<5	2.06	30	4.95	5.82
11645	10	NR	<5	<5	3.85	20	3.29	6.21
11646	1	NR	<5	<5	2.44	20	3.76	6.97
11647	2	NR	<5	<5	2.91	20	3.78	6.86
11648	2	NR	<5	<5	4.97	20	2.75	6.23
11649	1	NR	<5	<5	4.55	20	2.96	6.08
11650	2	NR	<5	<5	3.88	20	3.63	6.53
11651	3	NR	<5	<5	3.57	20	3.20	6.53
11651 Rpt	2	NR	<5	<5	3.60	20	3.22	6.59
11652	1	NR	<5	<5	4.33	30	3.58	5.16
11653	1	NR	<5	<5	4.49	30	4.14	6.61
11654	1	NR	<5	<5	5.14	20	3.64	5.45
11655	<1	NR	<5	<5	4.36	30	4.37	6.61
11656	1	NR	<5	<5	2.97	30	4.42	6.59
11657	3	NR	<5	<5	4.69	20	3.96	6.07
11658	2	NR	<5	<5	4.13	30	3.57	6.45
11659	2	NR	<5	<5	3.27	30	4.40	6.53
11660	IS	NR	IS	IS	1.73	6320	24.1	0.12
11661	2	NR	<5	<5	3.53	50	4.76	4.92
11662	1	NR	<5	<5	0.70	20	4.24	6.58
11663	1	NR	<5	<5	5.75	10	3.86	6.86
11663 Rpt	2	NR	<5	<5	5.66	<10	3.79	6.67
11664	<1	NR	<5	<5	4.29	10	4.10	8.32
Std Nominal	860	860	910	690	2.73	80	5.43	3.07



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Reference: u281980 Order Number: NC-002 Page 3 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
Determined	852	NR	905	680	2.80	60	5.40	3.07
11665	1	NR	<5	<5	2.80	20	6.10	8.84
11666	1	NR	<5	<5	3.58	10	7.89	8.04
11667	1	NR	<5	<5	2.16	10	10.9	6.55
11668	2	NR	<5	<5	2.30	10	10.3	2.85
11669	1	NR	<5	<5	2.12	10	10.9	4.34
11670	2	NR	<5	<5	2.03	10	11.0	5.08
11671	2	NR	<5	<5	2.86	10	7.45	6.92
11672	1	NR	<5	<5	3.22	10	7.56	5.54
11673	<1	NR	<5	<5	1.80	10	10.5	6.27
11730	2	NR	<5	<5	0.14	40	5.69	7.88
11731	2	NR	<5	<5	0.22	30	2.36	9.68
11732	4	NR	<5	<5	0.71	30	1.77	10.5
11733	1	NR	<5	<5	0.83	30	1.14	11.0
11733 Rpt	1	NR	<5	<5	0.82	30	1.12	9.36
11734	4	NR	<5	<5	0.62	30	2.16	7.73
11735	1	NR	<5	<5	0.06	<10	1.09	1.90
11736	2	NR	<5	<5	0.06	10	0.79	1.72
11737	1	NR	<5	<5	0.09	10	1.04	2.29
Std Nominal	2.42M	2.42M			0.40	600	1.29	0.18
Determined	2.44M	NR	<5	<5	0.41	210	1.32	0.19
11738	1	NR	<5	<5	0.10	<10	1.04	2.59
11739	6	NR	<5	<5	0.09	20	1.69	3.57
11739 Rpt	6	NR	<5	<5	0.09	20	1.70	3.58
11740	4	NR	<5	<5	0.09	20	1.72	3.60
11741	12	NR	<5	<5	0.09	40	3.14	5.51
11742	3	NR	<5	<5	0.08	20	1.74	3.15
11743	1	NR	<5	<5	0.07	<10	1.00	1.66
11744	<1	NR	<5	<5	0.07	<10	0.80	1.39
11745	1	NR	<5	<5	0.11	20	1.63	2.81
11746	1	NR	<5	<5	0.08	10	1.36	2.26
11747	2	NR	<5	<5	0.09	<10	2.03	2.18
11748	2	NR	<5	5	0.19	30	3.67	5.60
11749	6	NR	<5	<5	4.47	20	3.02	5.87
11750	11	NR	<5	<5	4.04	20	2.86	6.31
11751	2	NR	<5	<5	3.19	20	3.97	6.35
11752	2	NR	<5	<5	4.16	30	3.58	6.43
11753	4	NR	<5	<5	4.78	20	3.40	6.36
11754	<1	NR	<5	<5	5.35	20	3.46	5.89
11755	2	NR	<5	<5	4.44	30	3.65	6.27
11756	1	NR	<5	<5	4.83	20	3.58	5.92
11757	2	NR	<5	<5	4.52	20	3.51	6.33
11758	2	NR	<5	<5	4.29	30	4.02	6.68



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Reference: u281980 Order Number: NC-002 Page 4 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
11759	1	NR	<5	<5	4.91	30	4.53	6.42
11760	IS	NR	IS	IS	0.06	20	8.69	0.18
11761	1	NR	<5	<5	3.58	30	4.47	7.09
11762	<1	NR	<5	<5	4.36	30	4.94	6.70
Std Nominal	4.94M	4.94M			0.26		1.40	2.03
Determined	5.04M	NR	<5	<5	0.27	100	1.42	2.00
11763	3	NR	<5	<5	4.27	30	3.77	6.53
11763 Rpt	3	NR	<5	<5	4.31	30	3.78	6.60
11764	3	NR	<5	<5	4.30	30	5.17	7.40
11765	5	NR	<5	<5	0.29	40	3.91	9.26
11766	3	NR	<5	<5	1.24	30	2.71	9.93
11767	2	NR	<5	<5	2.17	20	3.66	9.23
11802	3	NR	<5	<5	1.32	20	7.96	7.09
11803	1	NR	<5	<5	3.14	10	3.41	9.28
11804	<1	NR	<5	<5	4.49	20	3.90	8.57
11805	1	NR	<5	<5	14.2	<10	7.76	2.25
11806	1	NR	<5	<5	1.10	20	5.75	5.85
11807	<1	NR	<5	<5	0.43	10	2.02	1.85
11808	1	NR	<5	<5	2.64	10	2.77	1.57
11809	<1	NR	<5	<5	2.32	<10	2.40	1.56
11810	5	NR	<5	<5	0.39	30	5.78	7.00
11810 Rpt	4	NR	<5	<5	0.38	30	5.75	6.94
11811	7	NR	<5	<5	0.33	40	7.09	7.58
11812	2	NR	<5	<5	2.87	<10	5.07	8.39
11813	2	NR	<5	<5	3.25	<10	5.64	7.88
11832	2	NR	<5	<5	0.07	40	6.64	8.84
11833	6	NR	<5	<5	0.06	40	6.08	6.85
11833 Rpt	6	NR	<5	<5	0.06	30	6.08	6.83
11834	10	NR	<5	<5	0.52	30	3.65	9.34
11835	8	NR	<5	<5	0.52	30	2.18	10.5
11836	7	NR	<5	<5	0.57	30	3.46	10.5
11837	7	NR	<5	<5	0.64	30	2.30	10.9
11838	13	NR	<5	<5	0.65	30	3.11	10.8
11839	4	NR	<5	<5	0.68	30	1.85	11.3
11840	IS	NR	IS	IS	1.72	6700	24.4	0.12
11841	6	NR	<5	<5	0.72	30	1.83	11.1
11842	5	NR	<5	<5	0.85	20	1.13	11.6
11843	10	NR	<5	<5	1.08	30	1.49	11.7
Std Nominal	52	52	45	45	5.91	230	9.63	0.60
Determined	51	NR	45	45	5.89	160	9.27	0.61
11844	8	NR	<5	<5	0.15	10	1.04	2.86
11845	1	NR	<5	<5	0.11	10	0.94	2.69
11846	1	NR	<5	<5	0.09	<10	0.82	2.41



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58 Sorbonne Crescent Canning Vale
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Reference: u281980 Order Number: NC-002 Page 5 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
11847	3	NR	<5	<5	0.12	20	1.30	4.98
11847 Rpt	1	NR	<5	<5	0.12	20	1.28	4.93
11848	5	NR	<5	<5	0.12	40	1.93	7.17
11849	2	NR	<5	<5	0.09	20	1.70	6.31
11850	<1	NR	<5	<5	0.08	10	1.17	3.33
11851	<1	NR	<5	<5	0.06	<10	0.92	1.87
11852	1	NR	<5	<5	0.05	<10	0.81	1.30
11853	3	NR	<5	<5	0.10	10	0.91	3.07
11854	<1	NR	<5	<5	0.06	10	0.70	1.89
11855	2	NR	<5	<5	0.08	10	1.20	4.32
11856	5	NR	<5	<5	0.14	40	2.70	9.73
11857	12	NR	<5	<5	0.14	40	2.68	9.56
11858	5	NR	<5	<5	0.19	50	3.26	9.71
11859	4	NR	<5	<5	0.20	40	3.46	9.49
11860	IS	NR	IS	IS	0.05	20	8.61	0.19
11861	2	NR	<5	<5	0.19	40	3.75	9.17
11862	2	NR	<5	<5	0.19	40	4.13	9.13
11862 Rpt	1	NR	<5	<5	0.18	40	4.11	9.09
11863	2	NR	<5	<5	0.19	40	4.39	9.16
11864	4	NR	<5	<5	0.20	50	4.77	8.91
11865	1	NR	<5	<5	2.93	40	5.32	7.12
11866	1	NR	<5	<5	3.74	30	2.72	6.18
Std Nominal	1.37M	1.37M			2.48	170	8.65	2.35
Determined	1.35M	NR	<5	<5	2.43	130	8.24	2.31
11867	1	NR	<5	<5	3.01	30	4.82	6.79
11868	2	NR	<5	<5	0.98	40	5.21	8.23
11869	3	NR	<5	<5	0.21	40	5.43	8.43
11870	2	NR	<5	<5	0.20	40	4.61	8.54
11871	3	NR	<5	<5	0.59	30	2.51	9.69
11872	6	NR	<5	<5	0.97	20	3.26	9.44
11873	17	NR	<5	<5	0.73	30	3.68	9.19
11873 Rpt	18	NR	<5	<5	0.74	30	3.67	8.86
11874	10	NR	<5	<5	0.65	20	3.13	9.60
11875	1	NR	<5	<5	0.64	20	2.65	10.5
11876	2	NR	<5	<5	0.66	30	10.8	5.48
11877	2	NR	<5	<5	0.61	20	10.8	4.71
11878	1	NR	<5	<5	0.63	10	7.45	7.67
11879	4	NR	<5	<5	0.61	20	4.82	7.65
11880	1	NR	<5	<5	0.62	20	5.02	8.38
11881	<1	NR	<5	<5	0.63	20	5.73	9.01
11937	14	NR	<5	<5	0.17	40	3.58	8.30
11938	34	33	<5	<5	0.31	30	2.06	9.86
11939	24	28	<5	<5	1.46	30	2.46	10.5



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Reference: u281980 Order Number: NC-002 Page 6 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
11940	IS	NR	IS	IS	0.06	20	8.66	0.18
11941	16	NR	<5	<5	0.49	40	3.44	10.1
11942	6	NR	<5	<5	1.15	30	1.04	10.6
11943	15	NR	<5	<5	1.17	30	2.10	11.0
11944	31	28	<5	<5	0.36	40	3.49	8.97
11945	14	NR	<5	<5	0.67	40	2.65	9.52
11946	17	NR	<5	<5	0.56	30	2.10	10.6
11947	4	NR	<5	<5	0.63	30	2.02	10.9
11948	5	NR	<5	<5	0.71	30	1.32	11.5
11949	8	NR	<5	<5	0.67	30	1.84	11.5
11950	6	NR	<5	<5	0.66	30	1.96	11.0
11951	15	NR	<5	<5	0.69	30	1.27	9.80
11952	8	NR	<5	<5	0.84	30	1.38	10.3
11953	10	NR	<5	<5	0.70	20	2.35	8.72
11954	1	NR	<5	<5	0.10	<10	0.81	2.12
11955	3	NR	<5	<5	0.10	20	1.09	2.37
11956	2	NR	<5	<5	0.12	20	1.28	4.22
11956 Rpt	5	NR	<5	<5	0.12	20	1.28	4.23
11957	8	NR	<5	<5	0.09	20	1.25	3.61
11958	5	NR	<5	<5	0.12	30	1.81	8.02
11959	2	NR	<5	<5	0.09	20	1.21	5.09
Std Nominal	860	860	910	690	2.73	80	5.43	3.07
Determined	894	NR	925	680	2.82	60	5.45	3.07
11960	2	NR	<5	<5	0.09	30	1.22	5.00
11961	1	NR	<5	<5	0.12	20	1.30	5.90
11962	2	NR	<5	<5	0.09	10	0.86	2.79
11963	1	NR	<5	<5	0.09	<10	0.85	2.91
11963 Rpt	3	NR	<5	<5	0.10	10	0.87	2.97
11964	2	NR	<5	<5	0.05	<10	0.81	2.40
11965	2	NR	<5	<5	0.12	30	2.96	5.95
11966	2	NR	<5	<5	1.85	30	3.58	6.02
11967	4	NR	<5	<5	1.09	30	4.31	6.84
11968	5	NR	<5	<5	0.17	40	4.29	6.82
11969	3	NR	<5	<5	0.21	50	4.20	8.75
11970	16	NR	<5	<5	0.19	40	4.44	7.37
11971	2	NR	<5	<5	0.49	40	4.00	7.72
11972	1	NR	<5	<5	3.90	30	2.87	6.51
11973	7	NR	<5	<5	0.70	40	4.12	8.77
11974	1	NR	<5	<5	4.19	30	2.63	6.79
11975	<1	NR	<5	<5	5.22	20	2.64	5.98
11976	<1	NR	<5	<5	4.56	20	3.49	6.22
11977	1	NR	<5	<5	4.66	30	4.57	6.04
11978	<1	NR	<5	<5	5.64	30	5.20	6.55



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 7 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
11978 Rpt	1	NR	<5	<5	5.59	30	5.16	6.49
11979	3	NR	<5	<5	2.78	30	5.03	7.66
Std Nominal	2.42M	2.42M			0.40	600	1.29	0.18
Determined	2.46M	NR	<5	<5	0.40	190	1.30	0.20
11980	IS	NR	IS	IS	1.72	6470	24.7	0.10
11980 Rpt	NR	NR	NR	NR	1.71	6380	24.1	0.10
11981	7	NR	<5	<5	0.24	60	6.37	8.37
11982	4	NR	<5	<5	0.48	40	4.46	9.40
11983	<1	NR	<5	<5	1.05	20	3.19	9.58
11984	2	NR	<5	<5	0.91	20	4.18	9.01
11985	2	NR	<5	<5	0.66	20	4.67	9.05
11986	7	NR	<5	<5	0.88	20	4.40	9.23
11987	<1	NR	<5	<5	1.40	20	3.78	9.45
11988	<1	NR	<5	<5	0.70	20	4.12	9.50
11989	2	NR	<5	<5	0.70	20	4.92	8.89
11990	2	NR	<5	<5	0.71	20	7.18	7.65
12004	<1	NR	<5	<5	0.69	20	6.51	8.40
12005	<1	NR	<5	<5	0.69	20	6.62	8.58
12006	<1	NR	<5	<5	0.71	20	7.19	8.11
12007	1	NR	<5	<5	0.68	20	5.41	9.05
12008	<1	NR	<5	<5	0.69	20	5.47	9.16
12009	1	NR	<5	<5	0.71	20	5.61	9.23
12010	3	NR	<5	<5	0.69	20	5.39	8.95
12011	<1	NR	<5	<5	0.71	20	6.12	8.50
12012	1	NR	<5	<5	0.69	20	5.20	9.39
12013	1	NR	<5	<5	0.63	20	5.64	9.06
Std Nominal	4.94M	4.94M			0.26		1.40	2.03
Determined	4.75M	NR	<5	<5	0.27	110	1.42	2.09
12014	2	NR	<5	<5	0.70	20	3.95	9.54
12015	1	NR	<5	<5	0.78	20	6.80	7.56
12016	2	NR	<5	<5	1.07	20	2.13	10.9
12016 Rpt	3	NR	<5	<5	1.04	10	2.06	10.7
12017	4	NR	<5	<5	0.90	20	2.75	10.1
12018	1	NR	<5	<5	0.13	10	1.24	3.43
12019	2	NR	<5	<5	0.24	20	2.15	6.11
12020	IS	NR	IS	IS	0.06	20	8.52	0.20
12021	3	NR	10	<5	0.25	30	4.74	8.76
12021 Rpt	2	NR	10	5	0.25	30	4.79	8.79
12022	4	NR	5	<5	9.00	20	4.89	4.80
12023	4	NR	<5	<5	12.9	20	3.70	3.70
12024	3	NR	<5	<5	12.2	10	3.27	4.34
12025	8	NR	<5	<5	0.26	50	7.39	7.42
12026	5	NR	<5	<5	1.49	<10	3.35	9.50



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 8 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
12027	1	NR	<5	<5	0.78	<10	2.62	10.4
12028	2	NR	<5	<5	0.69	<10	3.72	9.10
12029	3	NR	<5	<5	0.76	<10	6.52	8.11
12030	1	NR	<5	<5	0.98	<10	5.79	8.54
12064	5	NR	<5	<5	0.13	20	2.20	5.79
12065	2	NR	<5	<5	0.05	<10	0.99	2.20
12066	12	NR	<5	<5	0.12	40	2.68	6.98
12067	1	NR	<5	<5	0.12	30	2.56	6.65
12068	1	NR	<5	<5	0.09	10	1.21	3.38
12069	2	NR	<5	<5	0.26	10	1.11	6.08
12070	<1	NR	<5	<5	0.10	10	1.12	2.81
12070 Rpt	<1	NR	<5	<5	0.10	10	1.10	2.77
12071	<1	NR	<5	<5	0.07	20	0.78	2.30
12072	<1	NR	<5	<5	0.07	10	0.96	2.66
12073	1	NR	<5	<5	0.08	20	1.85	3.96
12074	2	NR	<5	<5	0.12	40	4.72	6.18
12075	5	NR	<5	<5	1.24	30	4.48	6.60
12076	2	NR	<5	<5	0.19	30	4.63	7.10
12077	1	NR	<5	<5	0.18	30	4.23	6.96
Std Nominal	52	52	45	45	5.91	230	9.63	0.60
Determined	50	NR	45	45	5.88	150	9.45	0.61
12078	1	NR	<5	<5	2.05	30	4.77	6.79
12079	<1	NR	<5	<5	2.26	30	5.31	6.68
12080	IS	NR	IS	IS	1.69	6860	24.3	0.12
12081	<1	NR	<5	<5	3.44	40	3.58	6.54
12082	<1	NR	<5	<5	1.77	30	5.15	7.05
12083	2	NR	<5	<5	1.92	30	4.23	7.64
12084	<1	NR	<5	<5	3.91	20	5.08	6.35
12085	<1	NR	<5	<5	4.17	30	5.59	6.85
12086	<1	NR	<5	<5	3.90	30	5.05	6.87
12087	1	NR	<5	<5	2.83	40	5.02	8.08
12088	2	NR	<5	<5	5.79	30	4.94	7.15
12088 Rpt	1	NR	<5	<5	5.51	40	4.81	6.97
12089	1	NR	<5	<5	1.83	40	5.15	8.31
12090	3	NR	<5	<5	2.89	30	4.29	8.17
12091	3	NR	<5	<5	0.88	20	3.11	9.89
12092	<1	NR	<5	<5	0.66	10	3.26	10.5
12093	<1	NR	<5	<5	0.67	10	4.34	10.1
12094	<1	NR	<5	<5	0.65	10	3.27	10.1
12095	<1	NR	<5	<5	0.62	10	3.27	9.68
12096	<1	NR	<5	<5	0.66	20	2.83	10.5
12097	2	NR	<5	<5	1.92	20	3.39	5.59
12098	1	NR	<5	<5	0.71	20	5.79	8.94



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 9 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
12098 Rpt	1	NR	<5	<5	0.71	10	5.70	9.08
12099	<1	NR	<5	<5	0.69	10	5.29	9.41
12100	<1	NR	<5	<5	0.71	10	5.40	9.59
12101	2	NR	<5	<5	0.71	20	4.38	10.1
12102	3	NR	<5	<5	0.73	20	5.58	9.30
12103	2	NR	<5	<5	0.69	20	6.57	8.63
12104	<1	NR	<5	<5	0.68	20	8.30	7.54
12105	2	NR	<5	<5	0.64	20	7.56	7.88
12106	<1	NR	<5	<5	0.64	20	7.89	3.71
12107	1	NR	<5	<5	0.66	20	7.00	4.80
12108	<1	NR	<5	<5	0.66	20	6.65	8.71
12109	<1	NR	<5	<5	0.65	10	7.07	8.52
12110	<1	NR	<5	<5	0.64	10	6.34	8.55
12111	1	NR	<5	<5	0.62	10	4.50	9.01
12112	1	NR	<5	<5	0.62	10	5.08	9.00
12113	1	NR	<5	<5	0.65	10	5.67	8.77
12114	1	NR	<5	<5	0.65	10	4.89	9.63
12114 Rpt	1	NR	<5	<5	0.66	20	4.94	9.81
12115	1	NR	<5	<5	0.67	20	5.16	4.76
12116	1	NR	<5	<5	0.66	20	4.55	9.46
Std Nominal	1.37M	1.37M			2.48	170	8.65	2.35
Determined	1.39M	NR	<5	<5	2.46	140	8.46	2.36
12117	<1	NR	<5	<5	0.70	20	6.60	8.55
12118	<1	NR	<5	<5	0.67	20	5.57	9.10
12119	<1	NR	<5	<5	0.58	20	6.78	8.30
12120	IS	NR	IS	IS	0.05	20	8.80	0.18
12121	<1	NR	<5	<5	0.65	20	4.89	9.01
Std Nominal	860	860	910	690	2.73	80	5.43	3.07
Determined	888	NR	895	685	2.76	40	5.53	3.08
12122	3	NR	5	<5	0.70	20	4.79	8.84
12122 Rpt	1	NR	<5	<5	0.69	20	4.85	8.93
12123	1	NR	<5	<5	0.75	20	7.13	4.32
12124	2	NR	<5	<5	0.65	30	9.22	7.03
12124 Rpt	2	NR	<5	<5	0.64	30	9.06	6.97
12125	2	NR	<5	<5	0.81	30	7.11	7.61
12126	3	NR	<5	5	2.12	20	2.89	9.30
12127	5	NR	<5	5	1.00	20	2.99	9.68
12128	4	NR	5	<5	0.51	30	2.41	10.8
12129	3	NR	<5	<5	0.54	20	2.56	9.95
12165	12	NR	<5	<5	0.74	30	1.70	11.1
12166	6	NR	<5	<5	0.84	30	1.17	11.5
12167	12	NR	<5	<5	0.75	40	2.10	9.11
12168	2	NR	<5	<5	0.09	10	1.03	2.16



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 10 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
12169	1	NR	<5	<5	0.08	10	1.25	2.39
12170	2	NR	<5	<5	0.10	20	1.44	4.17
12171	8	NR	<5	<5	0.09	20	2.10	4.38
12172	2	NR	<5	<5	0.11	30	3.99	6.72
12173	1	NR	<5	<5	0.09	20	2.04	3.67
12174	<1	NR	<5	<5	0.08	<10	1.10	1.98
12192	2	NR	<5	<5	0.75	40	4.81	8.06
12193	2	NR	<5	<5	3.83	30	5.02	6.74
12194	3	NR	<5	<5	1.67	40	4.86	3.86
12195	8	NR	<5	<5	3.56	30	4.07	6.18
12196	1	NR	<5	<5	3.68	20	3.96	2.63
12197	3	NR	<5	<5	3.69	<10	1.83	3.34
12198	<1	NR	<5	<5	3.74	<10	4.51	8.11
12199	1	NR	<5	<5	2.88	10	4.54	8.43
12200	IS	NR	IS	IS	1.67	6450	24.3	0.12
12201	1	NR	<5	<5	2.39	30	4.21	8.60
12202	<1	NR	<5	<5	2.27	20	3.58	9.13
12203	<1	NR	<5	<5	0.95	20	4.60	8.77
12212	<1	NR	<5	<5	0.72	20	4.93	9.16
12213	<1	NR	<5	5	1.88	10	4.43	8.92
12214	1	NR	<5	<5	0.16	20	2.02	6.49
12215	<1	NR	<5	<5	3.10	10	4.96	8.11
12216	<1	NR	<5	<5	1.25	20	4.85	9.09
12217	<1	NR	<5	<5	0.78	20	5.75	8.67
12282	<1	NR	<5	<5	2.09	20	5.43	9.27
12283	2	NR	<5	<5	0.18	30	3.50	5.43
12284	1	NR	<5	<5	4.31	20	4.98	5.97
12285	2	NR	<5	<5	4.48	20	4.61	6.45
Std Nominal	2.42M	2.42M			0.40	600	1.29	0.18
Determined	2.42M	NR	<5	<5	0.41	210	1.33	0.19
12290	<1	NR	<5	<5	5.05	30	4.45	6.08
12291	<1	NR	<5	<5	4.42	30	4.14	6.34
12291 Rpt	<1	NR	<5	<5	4.38	30	4.06	6.23
12292	1	NR	<5	<5	4.25	20	4.45	6.36
12293	1	NR	<5	<5	4.49	20	4.48	6.48
12294	1	NR	<5	<5	4.29	20	4.70	6.86
12295	<1	NR	<5	<5	2.89	30	5.74	7.70
12296	<1	NR	<5	<5	3.78	20	4.91	7.22
12297	<1	NR	<5	<5	3.64	30	4.73	7.08
12336	6	NR	<5	<5	1.56	20	8.93	6.38
12336 Rpt	5	NR	<5	<5	1.53	10	8.87	6.30
12337	6	NR	<5	<5	2.60	30	6.35	8.23
12338	1	NR	<5	<5	1.49	10	2.49	3.01



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 11 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
12339	5	NR	<5	<5	0.70	10	3.67	4.08
12340	IS	NR	IS	IS	0.05	20	8.75	0.20
12341	1	NR	<5	<5	0.11	<10	1.59	1.95
12342	<1	NR	<5	<5	0.09	10	1.38	1.85
12343	8	NR	<5	<5	0.31	30	4.65	6.80
12344	11	NR	<5	<5	0.17	60	8.58	8.05
12345	19	NR	5	<5	2.24	30	5.43	8.29
12346	2	NR	<5	<5	4.82	<10	2.89	8.59
12347	4	NR	<5	<5	2.13	<10	4.31	8.56
12348	2	NR	<5	<5	2.20	<10	8.98	6.94
12349	1	NR	<5	<5	2.03	<10	8.29	6.03
12350	2	NR	<5	<5	2.76	<10	8.10	6.40
12350 Rpt	3	NR	<5	<5	2.78	<10	8.08	6.36
12351	4	NR	<5	<5	2.94	<10	5.51	8.31
12352	3	NR	<5	<5	4.39	<10	5.42	7.43
12353	1	NR	<5	<5	3.48	<10	7.68	6.82
12354	1	NR	<5	<5	1.55	<10	10.6	5.29
Std Nominal	4.94M	4.94M			0.26		1.40	2.03
Determined	4.85M	NR	<5	<5	0.27	100	1.47	2.08
12355	3	NR	<5	<5	1.41	<10	7.81	7.87
12355 Rpt	1	NR	<5	<5	1.40	<10	7.72	7.80
12356	<1	NR	<5	<5	1.82	<10	8.86	6.58
12371	23	NR	<5	<5	0.71	30	5.35	9.18
12372	24	NR	<5	5	0.73	30	2.60	11.0
12373	11	NR	<5	<5	0.77	20	1.45	11.5
12374	118	102	<5	<5	1.06	20	1.34	11.6
12375	14	NR	<5	<5	0.35	20	1.70	7.84
12376	1	NR	<5	<5	0.13	<10	0.90	1.83
12377	1	NR	<5	<5	0.12	<10	0.98	2.34
12378	1	NR	<5	<5	0.14	10	1.34	4.61
12379	10	NR	<5	<5	0.12	30	2.47	5.85
12380	10	NR	<5	<5	0.12	30	2.39	5.62
12381	1	NR	<5	<5	0.11	20	2.39	5.49
12382	1	NR	<5	<5	0.11	20	1.79	4.58
12404	1	NR	<5	<5	4.08	20	3.99	6.11
Std Nominal	52	52	45	45	5.91	230	9.63	0.60
Determined	51	52	45	45	5.90	160	9.44	0.61
12405	1	NR	<5	<5	3.21	10	2.63	1.89
12406	1	NR	<5	<5	4.38	10	2.90	8.60
12407	<1	NR	<5	<5	4.68	10	3.64	8.36
12408	1	NR	<5	<5	6.02	<10	3.68	7.63
12409	2	NR	<5	<5	4.21	10	4.20	7.79
12410	4	NR	<5	<5	4.31	10	5.24	7.04



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 12 of 49

	Au1 ppb	Au2 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %
Detection Limit	1	1	5	5	0.01	10	0.01	0.01
12411	<1	NR	<5	<5	2.55	10	4.57	6.10
12412	<1	NR	<5	<5	4.33	10	4.31	8.00
12412 Rpt	1	NR	<5	<5	4.49	<10	4.39	8.14
12413	<1	NR	<5	<5	4.88	10	5.03	7.25
12414	1	NR	<5	<5	4.44	10	5.70	5.56
12415	1	NR	<5	<5	3.18	10	6.05	4.88
12416	<1	NR	<5	<5	2.36	10	4.67	3.77
12417	<1	NR	<5	<5	3.63	10	5.75	4.84
12569	7	NR	<5	<5	0.08	50	11.9	3.44
12570	5	NR	<5	<5	0.04	40	6.98	7.14
12571	2	NR	<5	<5	0.37	30	2.82	10.3
12572	14	NR	<5	<5	0.66	30	2.10	11.2
12573	11	NR	<5	<5	0.67	30	2.17	11.3
12574	1	NR	<5	<5	0.70	30	3.15	10.6
12575	18	NR	<5	<5	0.80	40	3.13	10.9
12576	12	NR	<5	<5	0.86	30	0.84	12.6
12576 Rpt	13	NR	<5	<5	0.84	30	0.82	12.0
12577	2	NR	<5	<5	0.66	40	1.30	8.41
12578	<1	NR	<5	<5	0.09	<10	0.68	1.63
12579	<1	NR	<5	<5	0.12	10	1.06	2.04
12580	IS	NR	IS	IS	1.67	7130	24.9	0.11
12581	1	NR	<5	<5	0.12	30	1.21	2.24
12582	2	NR	<5	<5	0.14	30	1.79	4.03
12583	12	NR	<5	<5	0.20	20	2.76	4.69
12584	<1	NR	<5	<5	0.96	30	3.26	6.86
11540	IS	NR	IS	IS	1.68	6630	24.3	0.10
11540 Rpt	NR	NR	NR	NR	1.67	6720	24.5	0.11
Std Nominal	1.37M	1.37M			2.48	170	8.65	2.35
Determined	1.35M	NR	<5	<5	2.51	160	8.64	2.36



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 13 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
11526	0.36	456	0.11	1250	200	205	1.0	284
11527	0.69	142	0.05	3850	100	280	1.5	129
11528	1.41	138	0.04	4200	50	300	3.0	296
11529	0.69	60	0.04	3650	50	135	1.5	131
11530	0.19	82	0.05	4650	100	115	1.5	169
11531	0.39	278	0.07	3450	100	125	1.5	173
11532	0.16	106	0.05	450	200	25	<0.5	62
11533	0.36	76	0.06	700	150	30	<0.5	101
11534	0.64	62	0.06	600	100	45	0.5	149
11535	1.09	70	0.08	600	50	75	1.0	231
11536	0.18	76	0.04	200	150	15	<0.5	49
11536 Rpt	0.17	78	0.04	250	200	10	<0.5	47
11537	0.07	102	0.05	300	250	15	<0.5	125
11537 Rpt	0.07	98	0.05	300	250	15	<0.5	136
11538	0.07	66	0.04	250	300	10	<0.5	55
11539	0.04	74	0.04	200	300	10	<0.5	29
11541	0.43	72	0.12	900	150	45	1.0	101
11542	1.11	64	0.10	650	50	95	1.0	245
11543	1.40	62	0.09	600	50	100	1.0	121
11544	1.73	142	0.09	750	<50	110	1.0	143
11545	1.66	64	0.09	800	50	100	1.0	103
11546	2.02	126	0.09	950	800	105	<0.5	57
11547	1.95	74	0.08	900	2200	105	<0.5	24
Std Nominal	4.05	1070	2.15	1300	1.74%	155	0.5	13
Determined	3.97	1080	2.18	1250	1.74%	160	0.5	13
11548	2.07	78	0.09	800	4300	110	<0.5	30
11549	1.89	70	0.09	800	4550	110	<0.5	29
11550	1.69	70	0.09	900	2050	115	<0.5	21
11551	2.01	80	0.08	800	8900	120	<0.5	30
11552	2.14	176	0.08	800	2350	115	<0.5	20
11553	1.40	70	0.09	750	2300	135	<0.5	30
11554	1.22	60	0.09	800	2550	135	<0.5	34
11555	1.26	58	0.09	800	1500	150	<0.5	21
11556	1.90	70	0.08	750	300	180	<0.5	5
11557	5.37	2810	0.09	600	400	125	<0.5	20
11558	5.00	2680	0.07	1150	300	160	<0.5	6
11559	3.22	1720	0.04	2300	200	210	<0.5	9
11561	2.44	1020	0.04	2600	50	230	<0.5	27
11562	1.94	632	0.04	2500	50	235	<0.5	26
11563	2.57	956	0.04	2500	100	230	<0.5	12
11563 Rpt	2.61	948	0.04	2600	50	230	<0.5	11
11564	3.06	1030	0.03	2600	300	245	<0.5	3
11565	2.71	1080	0.04	2450	400	205	<0.5	7



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 14 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
11565 Rpt	2.72	1080	0.04	2450	350	210	<0.5	7
11566	2.14	636	0.03	2600	200	190	<0.5	16
Std Nominal	1.71	1180	1.30	600	1.97%	120	6.0	100
Determined	1.71	1160	1.26	650	2.00%	120	6.0	100
11630	0.13	144	0.04	750	100	105	0.5	52
11631	0.17	80	0.04	250	150	20	<0.5	50
11632	0.19	64	0.04	250	100	15	<0.5	32
11633	0.27	130	0.05	400	100	30	<0.5	37
11634	0.47	90	0.05	550	100	40	<0.5	68
11635	1.11	46	0.07	500	50	80	<0.5	189
11636	0.76	66	0.09	900	100	95	1.5	287
11637	0.78	54	0.09	600	100	105	1.5	222
11638	0.14	76	0.04	300	100	10	<0.5	21
11639	0.49	72	0.05	500	<50	20	<0.5	39
11640	0.48	66	0.05	500	50	25	<0.5	41
11641	0.49	64	0.05	400	50	20	<0.5	19
11642	0.20	68	0.05	500	50	10	<0.5	6
11643	1.04	810	0.06	450	100	60	<0.5	34
11644	3.02	1370	0.07	500	<50	65	<0.5	36
11645	3.00	1790	0.07	500	<50	55	<0.5	8
11646	2.10	1400	0.07	650	50	60	<0.5	7
11647	2.18	1440	0.07	600	50	60	<0.5	6
11648	3.23	1800	0.07	550	50	60	<0.5	8
11649	3.00	1680	0.07	500	50	65	<0.5	4
11650	2.63	1380	0.07	500	<50	65	<0.5	4
11651	2.61	1300	0.07	550	50	60	<0.5	12
11651 Rpt	2.63	1340	0.07	500	50	60	<0.5	12
11652	2.87	1600	0.07	500	50	65	<0.5	7
11653	2.87	1690	0.07	550	100	65	<0.5	3
11654	3.18	1960	0.07	500	100	60	<0.5	4
11655	2.78	1660	0.07	550	100	75	<0.5	3
11656	2.45	1170	0.07	600	200	80	<0.5	5
11657	2.79	1740	0.07	550	150	65	<0.5	3
11658	2.48	1480	0.07	550	100	90	<0.5	3
11659	2.67	1200	0.07	550	50	95	<0.5	2
11660	1.22	1240	0.34	100	750	150	<0.5	18
11661	2.92	2550	0.07	600	100	110	<0.5	6
11662	1.32	1840	0.06	1250	100	170	<0.5	24
11663	3.56	2270	0.05	2100	100	180	<0.5	11
11663 Rpt	3.49	2240	0.05	2050	50	175	<0.5	10
11664	2.76	1540	0.04	2400	50	230	<0.5	8
Std Nominal	1.54	552	2.04	1000	6650	125	1.5	19
Determined	1.55	552	2.04	1000	6600	130	1.5	19



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 15 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
11665	1.77	1510	0.05	2300	50	250	<0.5	6
11666	2.27	1270	0.04	2200	<50	215	<0.5	6
11667	2.95	752	0.03	2200	100	280	<0.5	5
11668	3.20	686	0.03	2300	250	275	<0.5	4
11669	4.42	698	0.03	2450	500	285	<0.5	2
11670	4.96	732	0.03	2650	700	300	<0.5	4
11671	3.75	996	0.04	2450	700	270	<0.5	6
11672	3.44	1240	0.04	2300	1500	240	<0.5	14
11673	3.95	748	0.03	2650	700	310	<0.5	4
11730	0.58	362	0.05	950	150	185	1.0	68
11731	0.47	120	0.05	1250	150	115	<0.5	23
11732	0.53	48	0.06	3000	100	100	<0.5	23
11733	0.21	26	0.06	3450	100	95	<0.5	22
11733 Rpt	0.21	26	0.06	3400	50	90	<0.5	20
11734	0.32	34	0.06	2700	100	80	0.5	117
11735	0.08	102	0.04	300	100	15	<0.5	26
11736	0.11	80	0.04	250	100	15	<0.5	13
11737	0.35	78	0.04	350	50	20	<0.5	13
Std Nominal	0.33	232		1850				
Determined	0.32	236	0.05	1800	250	30	<0.5	5
11738	0.33	76	0.05	400	100	20	<0.5	19
11739	0.79	78	0.06	400	100	35	<0.5	33
11739 Rpt	0.79	78	0.05	400	50	35	<0.5	33
11740	0.78	88	0.05	400	100	35	<0.5	32
11741	1.23	60	0.07	400	<50	80	<0.5	111
11742	0.59	70	0.05	350	100	40	<0.5	83
11743	0.19	78	0.04	300	50	10	<0.5	33
11744	0.06	68	0.04	250	<50	10	<0.5	21
11745	0.77	70	0.05	400	50	25	<0.5	18
11746	0.54	136	0.05	300	50	15	<0.5	8
11747	0.53	992	0.05	250	<50	25	<0.5	21
11748	1.59	1170	0.07	550	<50	70	<0.5	27
11749	3.49	1960	0.07	400	550	60	<0.5	34
11750	3.10	1740	0.07	450	2400	65	<0.5	4
11751	3.00	1350	0.07	600	350	65	<0.5	7
11752	2.91	1550	0.07	600	200	65	<0.5	4
11753	3.18	1810	0.07	500	100	65	<0.5	4
11754	3.42	2000	0.07	450	100	60	<0.5	2
11755	2.98	1600	0.07	500	150	60	<0.5	4
11756	3.10	1780	0.07	450	100	55	<0.5	3
11757	2.94	1650	0.07	500	100	55	<0.5	2
11758	2.77	1660	0.07	550	100	65	<0.5	5
11759	3.34	1870	0.07	550	100	70	<0.5	5



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 16 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
11760	2.13	90	0.02	200	8.39%	10	2.5	3060
11761	2.64	1440	0.07	600	250	90	<0.5	4
11762	3.07	1670	0.07	600	200	80	<0.5	5
Std Nominal	3.42	620		550				
Determined	3.49	618	0.07	550	300	135	<0.5	2
11763	2.83	1600	0.07	550	800	75	<0.5	13
11763 Rpt	2.88	1600	0.07	550	800	75	<0.5	12
11764	3.46	1580	0.08	650	1050	125	<0.5	2
11765	1.59	96	0.09	800	7100	150	1.0	69
11766	0.98	558	0.10	3800	200	145	0.5	27
11767	1.95	1880	0.04	2800	100	265	<0.5	20
11802	3.54	274	0.03	3150	2650	365	<0.5	27
11803	2.36	804	0.05	2750	2000	210	<0.5	8
11804	3.15	1250	0.04	2450	3200	190	<0.5	5
11805	8.01	9190	0.04	600	1650	105	<0.5	4
11806	2.68	404	0.10	950	1700	115	<0.5	6
11807	0.78	192	0.04	350	150	35	<0.5	13
11808	2.04	756	0.04	250	200	35	<0.5	39
11809	1.78	790	0.04	250	950	30	<0.5	16
11810	2.19	142	0.12	800	6550	110	1.0	27
11810 Rpt	2.17	142	0.11	800	6550	115	0.5	27
11811	2.90	174	0.09	600	2600	170	<0.5	34
11812	2.71	1070	0.04	2950	250	245	<0.5	13
11813	3.10	1080	0.03	2850	150	265	<0.5	11
11832	0.42	148	0.03	1450	150	170	<0.5	162
11833	0.94	110	0.03	1050	50	260	0.5	114
11833 Rpt	0.94	108	0.03	1100	50	260	<0.5	114
11834	1.58	36	0.03	2650	50	210	<0.5	126
11835	0.69	38	0.04	3100	100	175	0.5	204
11836	0.66	30	0.05	2900	50	180	0.5	220
11837	0.68	28	0.05	2950	<50	170	0.5	88
11838	0.70	24	0.05	3000	50	195	1.0	245
11839	0.67	20	0.05	3000	50	165	0.5	78
11840	1.23	1270	0.34	100	750	150	<0.5	16
11841	0.74	22	0.05	3200	100	150	0.5	53
11842	0.29	18	0.05	3600	50	105	1.0	55
11843	0.16	30	0.06	4450	50	95	4.0	152
Std Nominal	4.05	1070	2.15	1300	1.74%	155	0.5	13
Determined	3.90	1070	2.19	1250	1.73%	155	0.5	12
11844	0.27	166	0.06	550	150	30	0.5	66
11845	0.27	54	0.05	400	100	25	<0.5	21
11846	0.22	54	0.04	350	100	20	<0.5	19
11847	0.48	54	0.06	450	100	40	<0.5	113



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 17 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
11847 Rpt	0.48	54	0.06	450	50	45	<0.5	113
11848	0.95	46	0.07	550	100	60	<0.5	233
11849	0.93	74	0.06	450	100	60	0.5	201
11850	0.53	58	0.05	350	50	30	<0.5	67
11851	0.27	60	0.04	250	50	10	<0.5	66
11852	0.08	66	0.04	200	100	5	<0.5	41
11853	0.34	40	0.05	450	100	25	0.5	64
11854	0.14	66	0.04	250	150	10	1.0	16
11855	0.27	98	0.07	350	100	25	0.5	58
11856	1.18	84	0.11	650	7300	80	0.5	218
11857	1.16	60	0.09	600	9300	90	1.0	136
11858	1.44	64	0.09	800	6550	90	0.5	68
11859	1.63	62	0.09	900	5200	95	0.5	42
11860	2.11	88	<0.01	200	8.19%	10	3.0	3050
11861	1.76	70	0.09	800	4300	95	0.5	35
11862	1.88	76	0.09	750	4700	100	0.5	44
11862 Rpt	1.87	76	0.09	750	4650	100	<0.5	41
11863	1.89	78	0.09	800	6550	110	1.0	60
11864	2.02	108	0.08	750	2450	125	<0.5	31
11865	3.00	1130	0.07	600	1.05%	110	0.5	13
11866	2.49	1410	0.07	500	9900	65	<0.5	4
Std Nominal	1.71	1180	1.30	600	1.97%	120	6.0	100
Determined	1.71	1170	1.26	600	1.94%	120	6.0	98
11867	2.55	1250	0.07	600	1.99%	100	<0.5	12
11868	2.30	434	0.08	750	5100	135	<0.5	8
11869	2.15	88	0.08	800	3250	165	<0.5	11
11870	1.86	74	0.09	800	1650	170	<0.5	32
11871	0.96	40	0.08	2300	6050	175	<0.5	28
11872	0.90	40	0.04	3700	2.05%	195	1.5	119
11873	0.49	36	0.04	3150	4.21%	165	10.5	718
11873 Rpt	0.49	38	0.04	3150	4.24%	165	10.0	720
11874	0.67	34	0.04	2850	2.32%	155	8.0	416
11875	0.92	34	0.04	2750	4250	190	<0.5	27
11876	5.18	110	0.03	2900	4000	385	<0.5	10
11877	5.03	114	0.03	2800	2950	315	<0.5	8
11878	2.91	76	0.03	2950	2150	295	<0.5	11
11879	1.86	46	0.03	2800	2250	225	<0.5	12
11880	1.96	48	0.03	2800	2150	235	<0.5	12
11881	2.16	50	0.04	2900	2400	230	<0.5	10
11937	0.85	174	0.09	1050	150	80	<0.5	124
11938	0.54	38	0.07	3900	100	100	0.5	240
11939	0.29	108	0.04	5250	100	135	2.0	184
11940	2.12	88	<0.01	200	8.49%	10	2.5	3090



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 18 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
11941	0.70	18	0.04	3250	600	230	0.5	179
11942	0.29	20	0.05	3750	150	115	<0.5	19
11943	0.29	62	0.05	5000	150	115	0.5	90
11944	1.23	48	0.03	1850	300	235	0.5	264
11945	1.60	44	0.05	3100	100	205	0.5	60
11946	0.74	44	0.05	2800	100	170	0.5	116
11947	0.39	24	0.06	3350	100	130	<0.5	221
11948	0.30	24	0.06	3150	50	95	0.5	71
11949	0.45	26	0.06	3000	100	145	<0.5	90
11950	0.82	26	0.06	3000	100	165	<0.5	52
11951	0.30	44	0.05	3000	50	110	0.5	52
11952	0.19	40	0.05	3550	50	105	<0.5	31
11953	0.47	42	0.08	3100	100	70	1.0	163
11954	0.08	66	0.04	350	200	15	<0.5	43
11955	0.34	60	0.04	400	200	20	<0.5	17
11956	0.48	46	0.06	450	100	35	<0.5	58
11956 Rpt	0.49	44	0.06	450	100	40	<0.5	57
11957	0.50	52	0.05	300	100	35	<0.5	109
11958	1.10	48	0.08	550	2400	70	1.0	168
11959	0.65	42	0.06	400	2500	50	<0.5	246
Std Nominal	1.54	552	2.04	1000	6650	125	1.5	19
Determined	1.59	556	2.03	1050	6850	130	1.5	20
11960	0.64	44	0.06	400	2650	45	0.5	243
11961	0.67	54	0.08	550	5300	50	0.5	171
11962	0.22	62	0.05	350	750	15	<0.5	41
11963	0.33	56	0.05	350	100	20	<0.5	28
11963 Rpt	0.34	56	0.06	350	100	25	<0.5	29
11964	0.24	52	0.05	250	100	15	<0.5	11
11965	1.39	94	0.08	500	1600	60	<0.5	42
11966	2.52	798	0.07	450	3850	60	<0.5	22
11967	2.62	474	0.07	550	1300	70	<0.5	8
11968	1.98	72	0.07	700	2250	80	<0.5	5
11969	2.02	76	0.09	900	3300	100	0.5	24
11970	2.05	78	0.08	800	1600	100	<0.5	10
11971	1.91	180	0.08	650	5000	95	1.0	28
11972	2.87	1390	0.07	550	6000	55	<0.5	<1
11973	2.21	262	0.08	800	1300	95	<0.5	7
11974	2.80	1540	0.07	550	5300	60	<0.5	<1
11975	3.20	1870	0.06	500	3350	50	<0.5	2
11976	2.92	1680	0.07	550	1500	60	<0.5	2
11977	3.21	1860	0.07	550	550	75	<0.5	4
11978	4.10	2080	0.07	650	3700	100	<0.5	4
11978 Rpt	4.06	2060	0.07	600	3650	100	<0.5	5



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 19 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
11979	3.07	988	0.07	750	900	130	<0.5	6
Std Nominal	0.33	232		1850				
Determined	0.34	240	0.04	1800	300	30	<0.5	3
11980	1.22	1260	0.33	100	750	145	<0.5	16
11980 Rpt	1.21	1250	0.33	100	750	145	<0.5	17
11981	2.36	100	0.08	900	1400	160	<0.5	9
11982	1.61	70	0.10	2050	7650	185	<0.5	11
11983	1.55	184	0.04	3200	2250	265	<0.5	5
11984	1.66	164	0.04	2850	1700	230	<0.5	6
11985	1.74	84	0.04	2850	2050	265	<0.5	6
11986	1.73	124	0.03	3100	2050	240	<0.5	6
11987	1.71	254	0.04	2700	1650	220	<0.5	9
11988	1.54	78	0.03	3000	1650	270	<0.5	10
11989	1.81	54	0.03	3050	3200	260	<0.5	12
11990	3.25	70	0.03	2950	2000	285	<0.5	14
12004	2.37	70	0.03	2900	2800	295	<0.5	45
12005	2.27	58	0.03	3000	3200	315	<0.5	57
12006	2.63	68	0.03	3050	4200	305	<0.5	97
12007	2.08	52	0.03	3000	2700	315	<0.5	35
12008	1.99	50	0.03	3000	2900	270	<0.5	86
12009	1.91	50	0.03	3100	3900	235	0.5	248
12010	1.98	58	0.03	2950	2500	285	<0.5	144
12011	2.16	56	0.03	3150	1950	290	<0.5	31
12012	1.75	50	0.03	3000	4150	220	<0.5	33
12013	1.41	42	0.03	2750	2.45%	190	<0.5	57
Std Nominal	3.42	620		550				
Determined	3.49	622	0.06	600	550	135	<0.5	<1
12014	1.43	40	0.04	2900	1.04%	240	<0.5	113
12015	2.94	72	0.03	3300	3750	340	<0.5	32
12016	0.80	70	0.04	3000	6400	110	0.5	69
12016 Rpt	0.78	66	0.04	2900	6250	105	0.5	65
12017	1.06	84	0.08	2450	1.13%	100	2.0	211
12018	0.32	72	0.05	400	3650	35	<0.5	53
12019	0.68	64	0.10	1050	6500	50	0.5	33
12020	2.08	86	0.02	200	8.17%	10	2.5	2990
12021	1.86	74	0.15	1100	1.10%	105	1.5	80
12021 Rpt	1.88	74	0.15	1100	1.09%	105	1.5	81
12022	6.17	2650	0.09	600	6150	80	0.5	31
12023	7.52	3420	0.08	450	3400	70	<0.5	18
12024	7.13	3230	0.09	400	1700	60	<0.5	10
12025	3.02	140	0.08	550	5500	175	<0.5	107
12026	1.43	68	0.04	5500	1100	230	<0.5	11
12027	1.11	72	0.04	3250	150	175	<0.5	11



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 20 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
12028	1.53	88	0.04	2900	100	215	<0.5	16
12029	2.78	98	0.02	3300	100	240	<0.5	21
12030	2.16	186	0.03	3250	50	210	<0.5	29
12064	0.52	76	0.06	600	100	55	<0.5	51
12065	0.21	66	0.03	200	50	15	<0.5	10
12066	1.21	60	0.07	450	5350	80	<0.5	113
12067	1.32	56	0.07	500	1100	80	<0.5	48
12068	0.50	56	0.05	350	100	35	<0.5	30
12069	0.42	50	0.12	1250	150	40	<0.5	67
12070	0.40	56	0.05	400	100	20	<0.5	20
12070 Rpt	0.40	56	0.05	400	100	20	<0.5	20
12071	0.27	50	0.04	300	100	10	<0.5	7
12072	0.25	60	0.06	250	100	15	<0.5	12
12073	0.73	356	0.05	300	900	45	<0.5	49
12074	2.48	88	0.06	500	1100	70	<0.5	14
12075	2.66	530	0.07	550	1550	75	<0.5	9
12076	2.03	86	0.07	650	2400	90	<0.5	8
12077	1.80	74	0.07	700	1900	80	<0.5	5
Std Nominal	4.05	1070	2.15	1300	1.74%	155	0.5	13
Determined	4.01	1070	2.16	1300	1.74%	155	0.5	13
12078	2.37	786	0.08	600	1050	90	0.5	6
12079	2.58	888	0.07	600	250	90	<0.5	5
12080	1.23	1260	0.34	100	750	155	<0.5	18
12081	2.51	1300	0.07	500	200	60	<0.5	3
12082	2.29	716	0.08	600	550	80	<0.5	5
12083	2.33	792	0.08	700	600	95	<0.5	9
12084	2.57	1600	0.07	500	100	65	<0.5	5
12085	3.17	1690	0.07	600	100	80	<0.5	4
12086	3.09	1550	0.07	600	500	90	<0.5	6
12087	3.16	1130	0.08	800	1100	115	0.5	5
12088	4.17	2310	0.07	650	2350	110	<0.5	4
12088 Rpt	4.05	2260	0.08	650	2250	110	<0.5	4
12089	2.75	754	0.09	750	200	160	<0.5	2
12090	2.89	1040	0.10	800	1650	165	<0.5	8
12091	1.17	90	0.05	3350	5250	235	<0.5	11
12092	1.19	46	0.05	2850	3000	285	<0.5	5
12093	1.57	54	0.04	3000	1450	285	<0.5	15
12094	1.16	50	0.04	2850	1550	220	<0.5	7
12095	1.12	40	0.04	2800	2150	200	0.5	21
12096	0.99	34	0.04	2850	2050	200	<0.5	20
12097	1.72	346	0.03	2500	6850	200	<0.5	105
12098	1.93	56	0.03	3100	3000	220	0.5	18
12098 Rpt	1.91	54	0.03	3150	2900	210	1.0	19



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 21 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
12099	1.96	48	0.03	3000	2400	215	0.5	17
12100	2.01	48	0.03	3000	2550	220	<0.5	18
12101	1.47	40	0.04	3150	2800	200	<0.5	16
12102	1.96	46	0.03	3250	1500	180	<0.5	12
12103	2.10	50	0.03	3100	1500	205	0.5	14
12104	3.49	78	0.03	3050	1550	330	<0.5	11
12105	2.46	58	0.03	2850	1650	200	<0.5	23
12106	2.98	66	0.03	2750	3200	265	<0.5	16
12107	2.33	58	0.03	2950	3150	250	<0.5	48
12108	2.28	54	0.03	2900	2750	345	<0.5	37
12109	2.55	60	0.03	2850	2400	270	<0.5	60
12110	2.13	50	0.03	2850	2050	235	<0.5	61
12111	1.47	38	0.03	2700	3150	215	1.0	81
12112	1.87	46	0.04	2750	1700	240	<0.5	11
12113	2.27	50	0.04	2900	1950	275	<0.5	24
12114	1.70	42	0.04	2900	2800	200	0.5	53
12114 Rpt	1.72	44	0.04	3000	2800	205	1.0	52
12115	1.78	48	0.04	3000	1850	230	1.0	42
12116	1.54	42	0.04	3000	2250	200	0.5	56
Std Nominal	1.71	1180	1.30	600	1.97%	120	6.0	100
Determined	1.73	1160	1.30	650	2.00%	125	6.0	100
12117	2.51	66	0.03	3150	2850	300	0.5	75
12118	1.97	50	0.04	3050	6400	290	0.5	56
12119	1.51	36	0.04	2600	3.61%	265	6.0	220
12120	2.12	88	0.02	200	8.22%	15	2.0	3060
12121	1.62	36	0.04	2900	1.92%	270	4.5	278
Std Nominal	1.54	552	2.04	1000	6650	125	1.5	19
Determined	1.55	558	2.06	1050	6700	130	1.5	20
12122	1.60	38	0.04	3000	1.99%	240	2.5	279
12122 Rpt	1.63	38	0.04	3100	2.01%	260	2.0	282
12123	2.79	64	0.04	3100	1.33%	335	1.0	104
12124	2.00	52	0.04	2950	6.06%	285	5.0	263
12124 Rpt	1.97	52	0.04	2900	5.96%	280	5.0	259
12125	2.71	78	0.04	3350	1.05%	365	1.0	289
12126	1.83	288	0.04	2750	4650	140	1.0	183
12127	1.43	132	0.10	2300	6200	100	1.0	210
12128	0.84	46	0.12	2200	8550	100	1.0	243
12129	0.82	34	0.06	2300	1.01%	100	1.0	145
12165	0.62	70	0.06	3150	150	145	<0.5	14
12166	0.24	24	0.05	3650	100	105	1.0	14
12167	0.68	48	0.08	3350	100	100	0.5	32
12168	0.28	50	0.05	350	250	25	<0.5	15
12169	0.38	54	0.04	350	150	25	<0.5	13



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 22 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
12170	0.63	50	0.05	400	1300	45	<0.5	41
12171	0.89	58	0.05	400	4800	50	<0.5	28
12172	1.57	52	0.07	500	1.26%	90	<0.5	78
12173	0.72	56	0.06	400	6100	40	<0.5	60
12174	0.13	38	0.05	300	300	10	<0.5	32
12192	2.14	346	0.08	800	550	125	<0.5	5
12193	2.96	1560	0.07	650	550	105	<0.5	4
12194	2.07	708	0.07	650	400	110	<0.5	3
12195	2.81	1410	0.07	600	550	110	<0.5	4
12196	2.81	1500	0.05	300	1400	95	<0.5	5
12197	1.85	1300	0.04	1000	3500	95	0.5	26
12198	2.95	1160	0.04	2600	1200	320	<0.5	17
12199	2.48	954	0.04	2500	950	300	<0.5	53
12200	1.21	1240	0.33	100	750	150	<0.5	17
12201	2.17	762	0.03	2600	150	240	<0.5	30
12202	1.97	650	0.04	2750	150	220	<0.5	24
12203	1.77	196	0.03	2650	1500	295	<0.5	18
12212	1.76	64	0.03	2850	950	300	<0.5	6
12213	2.17	370	0.04	2750	1000	270	<0.5	10
12214	0.85	56	0.14	700	50	55	<0.5	39
12215	2.96	852	0.04	2600	950	285	<0.5	9
12216	2.00	242	0.04	2900	1250	315	<0.5	15
12217	2.31	98	0.03	2800	1300	325	<0.5	12
12282	2.61	530	0.04	3000	1450	305	<0.5	12
12283	1.26	1930	0.07	550	50	75	<0.5	21
12284	3.33	2000	0.07	400	<50	70	<0.5	4
12285	3.25	2030	0.08	400	100	70	<0.5	4
Std Nominal	0.33	232		1850				
Determined	0.34	240	0.05	1800	300	30	<0.5	11
12290	3.30	1910	0.07	500	150	70	<0.5	15
12291	3.00	1620	0.07	550	100	75	<0.5	3
12291 Rpt	2.96	1600	0.07	500	150	75	<0.5	3
12292	2.89	1620	0.07	500	150	75	<0.5	4
12293	2.99	1790	0.07	550	200	70	<0.5	5
12294	2.85	1780	0.07	550	150	90	<0.5	4
12295	3.59	1180	0.08	800	200	115	<0.5	5
12296	2.91	1560	0.07	650	250	105	<0.5	5
12297	2.98	1530	0.08	650	750	105	<0.5	5
12336	4.32	390	0.03	3050	4350	385	<0.5	16
12336 Rpt	4.26	386	0.03	3050	4500	385	<0.5	17
12337	3.46	644	0.08	2200	2700	245	<0.5	21
12338	1.59	386	0.06	400	800	70	<0.5	4
12339	1.55	220	0.07	750	4050	105	<0.5	14



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 23 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
12340	2.15	90	0.02	200	8.25%	15	2.5	3140
12341	0.39	74	0.04	450	3000	25	<0.5	6
12342	0.30	62	0.04	300	3400	20	<0.5	5
12343	1.72	128	0.12	800	6200	120	<0.5	17
12344	2.40	154	0.10	600	5150	200	0.5	28
12345	2.85	594	0.08	2650	1400	280	<0.5	8
12346	2.92	1280	0.05	2750	250	150	<0.5	9
12347	2.00	620	0.04	2900	100	190	<0.5	30
12348	4.51	720	0.03	3050	100	300	<0.5	18
12349	4.42	498	0.03	2950	50	280	<0.5	5
12350	4.57	764	0.03	3100	700	290	<0.5	13
12350 Rpt	4.57	764	0.03	3100	650	295	<0.5	12
12351	3.10	810	0.04	3250	550	250	<0.5	9
12352	3.61	1390	0.04	2900	1450	230	<0.5	12
12353	4.40	1280	0.04	2950	950	265	<0.5	10
12354	4.98	496	0.03	3000	2000	295	<0.5	16
Std Nominal	3.42	620		550				
Determined	3.45	626	0.07	600	250	160	<0.5	16
12355	3.15	334	0.03	3350	700	300	<0.5	4
12355 Rpt	3.07	328	0.03	3300	700	290	<0.5	4
12356	3.93	552	0.03	3250	900	280	<0.5	7
12371	2.03	62	0.04	2950	100	340	<0.5	34
12372	0.97	54	0.05	3100	100	230	<0.5	23
12373	0.46	48	0.05	3300	50	130	<0.5	10
12374	0.32	50	0.05	4600	150	115	<0.5	14
12375	0.59	210	0.11	1300	200	90	<0.5	14
12376	0.16	82	0.04	450	100	20	<0.5	2
12377	0.34	60	0.04	400	100	25	<0.5	2
12378	0.59	86	0.06	450	100	50	<0.5	6
12379	1.19	104	0.07	450	100	80	<0.5	8
12380	1.15	112	0.07	400	150	80	<0.5	9
12381	1.10	62	0.06	450	550	75	<0.5	20
12382	0.88	72	0.07	450	100	65	0.5	17
12404	3.10	1740	0.07	600	1150	115	<0.5	8
Std Nominal	4.05	1070	2.15	1300	1.74%	155	0.5	13
Determined	4.00	1080	2.19	1300	1.74%	160	0.5	13
12405	2.16	1530	0.05	250	1900	70	<0.5	23
12406	2.49	1420	0.05	3950	800	355	<0.5	23
12407	3.17	1510	0.04	2950	350	385	<0.5	12
12408	3.71	1930	0.04	2300	1250	245	<0.5	52
12409	2.97	1360	0.04	2200	2650	250	<0.5	31
12410	3.52	1420	0.04	2100	2150	285	<0.5	39
12411	2.56	786	0.04	1850	1300	235	<0.5	17



Reference: u281980 Order Number: NC-002 Page 24 of 49

	Mg %	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm
Detection Limit	0.01	2	0.01	50	50	5	0.5	1
12412	3.24	1330	0.03	2400	1150	245	<0.5	16
12412 Rpt	3.31	1360	0.03	2450	1150	245	<0.5	16
12413	3.83	1600	0.03	2250	1150	260	0.5	14
12414	3.89	1700	0.03	1850	2400	210	<0.5	31
12415	3.52	1430	0.04	1750	2950	205	<0.5	7
12416	2.61	1170	0.05	1150	3150	140	<0.5	11
12417	3.56	1660	0.04	1650	4900	190	<0.5	36
12569	0.64	292	0.02	1300	100	365	<0.5	120
12570	1.76	84	0.03	650	50	285	0.5	64
12571	0.59	52	0.05	1850	50	200	0.5	75
12572	0.62	32	0.05	3000	100	230	<0.5	56
12573	0.67	40	0.05	2900	50	230	<0.5	35
12574	0.90	32	0.04	2900	50	235	<0.5	54
12575	0.95	22	0.05	3250	50	285	<0.5	100
12576	0.13	28	0.06	3900	50	130	<0.5	12
12576 Rpt	0.12	26	0.06	3700	<50	125	<0.5	11
12577	0.31	72	0.06	2800	100	70	<0.5	12
12578	0.10	428	0.04	350	100	20	<0.5	3
12579	0.29	548	0.04	350	50	30	<0.5	3
12580	1.24	1280	0.34	50	750	155	<0.5	17
12581	0.43	92	0.04	300	50	25	<0.5	2
12582	0.87	78	0.05	450	50	50	<0.5	25
12583	1.28	316	0.06	350	<50	65	<0.5	14
12584	1.81	1030	0.07	500	50	80	<0.5	12
11540	1.22	1240	0.33	50	750	155	<0.5	17
11540 Rpt	1.23	1240	0.33	100	750	155	<0.5	17
Std Nominal	1.71	1180	1.30	600	1.97%	120	6.0	100
Determined	1.75	1180	1.30	650	1.99%	120	6.0	104



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
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Reference: u281980 Order Number: NC-002 Page 25 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
11526	1220	2.1	0.5	4610	962	11.5	10.0	694
11527	993	5.2	<0.5	3030	1000	13.5	4.5	554
11528	732	17.8	0.5	5420	2270	13.5	7.0	1340
11529	960	6.8	<0.5	1110	1360	8.0	2.0	792
11530	840	3.4	<0.5	2460	1050	3.5	3.0	460
11531	880	2.2	<0.5	4410	1460	6.5	4.0	550
11532	313	0.5	<0.5	250	1030	5.0	2.0	162
11533	386	0.3	<0.5	610	1400	7.0	3.0	184
11534	407	0.7	<0.5	985	1860	12.0	3.0	330
11535	517	1.4	<0.5	300	2170	19.0	2.5	506
11536	206	0.2	<0.5	120	1100	5.5	2.0	140
11536 Rpt	205	0.2	<0.5	115	1100	5.0	2.0	142
11537	242	0.5	<0.5	1560	856	4.5	3.5	202
11537 Rpt	244	0.5	<0.5	1580	870	4.5	3.5	208
11538	207	0.7	<0.5	710	524	4.5	2.0	234
11539	183	0.4	<0.5	320	126	4.0	2.0	106
11541	781	3.3	<0.5	2740	1080	8.5	2.0	2170
11542	764	2.5	<0.5	1090	1330	21.0	1.5	1020
11543	788	2.2	<0.5	245	858	25.0	0.5	610
11544	805	3.1	<0.5	1820	900	24.0	1.5	1040
11545	665	1.9	<0.5	330	586	21.5	<0.5	564
11546	724	1.1	<0.5	1320	310	21.0	0.5	654
11547	727	0.9	<0.5	670	114	19.5	<0.5	348
Std Nominal	239	<0.1	<0.5	155	316	7.5	2.0	6930
Determined	238	0.1	<0.5	155	316	8.0	2.0	6900
11548	758	1.2	<0.5	695	60	19.5	<0.5	342
11549	732	0.9	<0.5	370	44	17.5	<0.5	250
11550	711	0.8	<0.5	275	48	17.0	0.5	186
11551	663	1.1	<0.5	320	20	19.0	0.5	186
11552	680	0.9	<0.5	315	18	18.5	0.5	164
11553	624	0.9	<0.5	210	22	16.5	1.0	162
11554	619	0.7	<0.5	200	20	16.0	2.0	152
11555	616	0.4	<0.5	130	16	16.5	2.0	108
11556	667	0.1	<0.5	90	24	20.5	1.0	88
11557	732	0.3	<0.5	115	230	12.5	1.5	66
11558	599	0.3	<0.5	185	316	8.0	1.0	116
11559	801	0.2	<0.5	135	148	26.0	0.5	138
11561	765	<0.1	<0.5	210	20	16.5	1.0	184
11562	712	<0.1	<0.5	190	12	15.0	1.0	142
11563	583	<0.1	<0.5	160	14	12.0	0.5	92
11563 Rpt	577	<0.1	<0.5	160	16	12.0	0.5	94
11564	558	<0.1	<0.5	80	20	10.5	1.0	52
11565	694	<0.1	<0.5	75	36	13.0	1.5	52



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 26 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
11565 Rpt	698	0.1	<0.5	70	38	13.0	1.5	54
11566	623	0.1	<0.5	165	30	11.5	1.0	130
Std Nominal	132	3.0	9.0	45	1500	9.5	67.0	74
Determined	136	3.1	9.0	45	1490	9.0	68.0	74
11630	921	0.4	<0.5	45	350	6.5	2.0	36
11631	232	0.2	<0.5	30	1230	5.0	2.0	36
11632	200	0.1	<0.5	20	2400	4.5	1.5	30
11633	250	0.1	<0.5	195	2780	5.5	1.5	56
11634	300	0.3	<0.5	360	6350	9.5	1.5	100
11635	490	0.8	<0.5	85	2420	21.5	3.0	184
11636	616	6.9	<0.5	650	1810	13.5	5.5	272
11637	597	5.8	<0.5	200	1160	14.5	4.5	256
11638	212	0.7	<0.5	60	198	5.0	1.5	60
11639	255	0.3	<0.5	165	1420	9.0	1.0	186
11640	257	0.4	<0.5	150	1430	9.0	1.0	178
11641	252	0.3	<0.5	50	444	8.5	1.0	94
11642	260	0.1	<0.5	25	200	5.0	1.0	52
11643	456	0.5	<0.5	115	324	16.0	1.0	84
11644	445	0.4	<0.5	320	18	22.0	0.5	38
11645	391	0.4	<0.5	225	36	15.0	0.5	26
11646	424	0.5	<0.5	60	16	12.5	1.0	24
11647	421	0.4	<0.5	20	28	10.0	0.5	20
11648	393	0.4	<0.5	15	14	10.5	0.5	20
11649	388	0.3	<0.5	15	12	10.5	0.5	22
11650	398	0.4	<0.5	10	12	10.0	0.5	20
11651	399	0.5	<0.5	25	10	11.5	<0.5	26
11651 Rpt	408	0.5	<0.5	20	8	11.0	0.5	24
11652	361	0.5	<0.5	15	8	9.5	0.5	24
11653	382	0.4	<0.5	15	8	10.0	0.5	22
11654	359	0.3	<0.5	15	26	9.5	0.5	20
11655	386	0.3	<0.5	10	12	10.0	0.5	20
11656	432	0.4	<0.5	10	18	13.0	0.5	22
11657	369	0.3	<0.5	10	44	9.0	0.5	20
11658	382	0.3	<0.5	10	6	9.5	0.5	22
11659	453	0.3	<0.5	20	94	13.0	0.5	22
11660	136	<0.1	<0.5	440	78	10.5	1.0	5000
11661	890	0.2	<0.5	20	458	21.5	1.0	32
11662	1090	0.1	<0.5	30	164	18.5	1.5	26
11663	655	<0.1	<0.5	25	262	23.0	0.5	18
11663 Rpt	647	<0.1	<0.5	20	258	22.5	1.0	18
11664	1460	<0.1	<0.5	20	72	20.0	1.0	12
Std Nominal	932	2.6		15	5310	30.5	319	38
Determined	942	2.7	<0.5	15	5250	29.5	324	36



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 27 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
11665	1510	<0.1	<0.5	20	42	12.5	1.5	8
11666	675	<0.1	<0.5	15	14	10.0	1.0	14
11667	594	<0.1	<0.5	30	10	24.0	1.0	32
11668	453	0.2	<0.5	50	4	26.0	0.5	26
11669	397	0.2	<0.5	70	8	35.5	0.5	30
11670	551	1.0	<0.5	85	6	41.5	1.5	36
11671	568	0.4	<0.5	50	8	29.5	1.0	22
11672	483	0.3	<0.5	105	10	23.5	0.5	22
11673	437	0.2	<0.5	85	6	37.5	<0.5	36
11730	1180	0.9	<0.5	100	446	10.0	3.0	44
11731	1570	0.3	<0.5	60	362	8.0	2.5	36
11732	1220	0.2	<0.5	100	748	5.0	2.0	138
11733	1190	0.2	<0.5	45	396	3.5	1.5	48
11733 Rpt	1100	0.3	<0.5	50	392	3.5	1.5	48
11734	1080	0.4	<0.5	75	2000	5.0	1.5	122
11735	246	0.2	<0.5	30	414	4.0	1.5	26
11736	219	0.3	<0.5	30	238	4.0	1.0	26
11737	223	0.2	<0.5	60	826	6.0	1.0	80
Std Nominal				1600	9990			
Determined	40	2.8	<0.5	1660	1.02%	17.5	3.0	60
11738	248	0.1	<0.5	195	1120	6.5	1.0	124
11739	298	0.2	<0.5	440	606	14.5	1.5	156
11739 Rpt	293	0.2	<0.5	450	620	14.5	1.5	154
11740	295	0.3	<0.5	525	612	15.0	1.5	154
11741	392	1.0	<0.5	225	1280	22.0	1.5	412
11742	271	0.3	<0.5	70	596	11.0	1.5	156
11743	177	0.2	<0.5	180	570	5.0	1.0	56
11744	176	0.1	<0.5	50	176	3.5	1.5	34
11745	273	0.3	<0.5	175	404	11.5	1.0	112
11746	234	<0.1	<0.5	120	626	6.5	1.0	142
11747	287	<0.1	<0.5	150	872	7.0	1.0	134
11748	569	0.1	<0.5	110	276	20.0	1.0	80
11749	434	0.5	<0.5	40	28	17.0	0.5	30
11750	397	0.5	<0.5	190	16	15.5	0.5	26
11751	433	0.3	<0.5	130	12	15.5	1.0	34
11752	400	0.4	<0.5	25	6	10.5	0.5	22
11753	379	0.3	<0.5	10	2	10.5	0.5	20
11754	371	0.3	<0.5	10	4	10.0	0.5	20
11755	387	0.3	<0.5	10	14	10.5	0.5	24
11756	371	0.3	<0.5	10	2	9.5	0.5	20
11757	378	0.3	<0.5	5	2	10.5	0.5	22
11758	393	0.3	<0.5	10	2	10.5	0.5	22
11759	401	0.3	<0.5	10	4	12.5	0.5	28



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 28 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
11760	17	49.4	<0.5	2400	3.21%	10.0	10.5	116
11761	421	0.4	<0.5	15	46	12.5	1.0	28
11762	412	0.3	<0.5	15	42	12.0	0.5	28
Std Nominal				1.50%	4480			
Determined	157	3.6	<0.5	1.51%	4520	204	2.5	34
11763	402	0.4	<0.5	50	10	12.0	0.5	24
11763 Rpt	405	0.4	<0.5	45	12	11.0	0.5	26
11764	471	0.4	<0.5	375	14	15.5	<0.5	70
11765	605	1.6	<0.5	2120	54	19.0	1.0	1450
11766	972	0.9	<0.5	305	124	12.0	1.0	322
11767	804	<0.1	<0.5	140	186	37.0	1.5	100
11802	601	0.9	1.5	180	100	37.0	1.5	102
11803	655	0.1	<0.5	60	52	17.0	1.5	36
11804	629	<0.1	<0.5	55	70	13.5	1.0	36
11805	284	<0.1	<0.5	140	446	11.0	0.5	34
11806	609	0.1	<0.5	70	58	18.5	1.0	40
11807	207	<0.1	<0.5	55	126	7.5	2.5	30
11808	199	<0.1	<0.5	125	362	7.5	2.5	68
11809	186	<0.1	<0.5	160	386	8.0	2.5	78
11810	767	0.5	<0.5	1270	1100	18.0	1.5	578
11810 Rpt	752	0.5	<0.5	1260	1110	17.5	1.5	576
11811	698	0.2	<0.5	160	124	30.0	1.0	100
11812	1240	0.2	<0.5	35	16	21.0	2.0	24
11813	1180	0.1	<0.5	30	36	20.5	1.5	22
11832	1370	0.5	<0.5	125	1450	9.0	9.5	150
11833	845	0.5	<0.5	65	2170	34.0	2.0	76
11833 Rpt	848	0.5	<0.5	70	2150	34.0	2.0	76
11834	1150	0.2	<0.5	240	5040	35.5	4.5	416
11835	1370	0.8	<0.5	215	1.00%	10.0	9.5	158
11836	1060	0.2	<0.5	220	4770	9.5	13.5	366
11837	1120	0.2	<0.5	155	2220	9.5	4.0	210
11838	1210	0.5	<0.5	245	1980	10.0	12.5	280
11839	1290	0.3	<0.5	210	1040	9.0	4.0	228
11840	145	<0.1	<0.5	440	80	10.0	1.0	5030
11841	1010	0.4	<0.5	130	900	12.5	2.5	184
11842	1180	1.0	<0.5	180	624	5.0	1.0	202
11843	1010	2.9	<0.5	260	736	3.5	1.5	294
Std Nominal	239	<0.1	<0.5	155	316	7.5	2.0	6930
Determined	245	0.1	<0.5	155	320	7.0	1.5	6930
11844	351	0.9	<0.5	655	466	5.5	2.5	224
11845	249	0.5	<0.5	120	1030	5.5	1.0	124
11846	232	0.4	<0.5	170	794	5.0	1.5	100
11847	369	1.0	<0.5	1390	2420	11.0	2.5	242



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 29 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
11847 Rpt	364	1.0	<0.5	1330	2420	11.0	2.0	240
11848	464	1.3	<0.5	700	2790	17.0	2.0	632
11849	421	1.2	<0.5	935	1680	16.0	2.5	542
11850	273	1.0	<0.5	180	412	8.5	1.5	320
11851	202	0.5	<0.5	545	432	5.0	2.0	338
11852	172	0.3	<0.5	160	164	3.5	1.5	196
11853	304	1.0	<0.5	390	284	6.0	1.5	362
11854	231	0.5	<0.5	405	130	3.0	1.5	144
11855	458	1.6	<0.5	565	202	7.0	1.5	200
11856	752	2.4	<0.5	1940	1300	22.0	1.0	1120
11857	660	3.4	<0.5	2300	136	23.0	0.5	1660
11858	748	1.4	<0.5	2520	916	21.0	1.5	1540
11859	747	1.2	<0.5	1660	482	19.5	1.0	852
11860	19	50.2	<0.5	2410	3.12%	10.0	10.0	116
11861	713	1.0	<0.5	1010	316	19.5	0.5	526
11862	732	0.9	<0.5	775	118	19.5	0.5	418
11862 Rpt	717	0.9	<0.5	760	118	19.5	0.5	398
11863	721	1.8	<0.5	925	126	20.0	<0.5	484
11864	680	1.0	<0.5	325	32	19.5	<0.5	170
11865	515	0.9	<0.5	205	12	15.5	<0.5	64
11866	395	0.5	<0.5	3230	6	10.5	1.0	118
Std Nominal	132	3.0	9.0	45	1500	9.5	67.0	74
Determined	135	2.9	9.5	45	1490	9.0	64.0	72
11867	462	1.0	<0.5	1990	8	13.5	1.5	84
11868	589	0.4	<0.5	95	14	17.0	<0.5	56
11869	628	0.4	<0.5	140	10	18.5	1.0	80
11870	640	0.4	<0.5	215	20	18.0	1.0	152
11871	797	0.9	<0.5	625	1540	30.0	2.0	430
11872	599	3.7	<0.5	1570	2.26%	26.5	4.0	786
11873	1760	12.2	<0.5	8330	1.43%	12.0	18.5	4990
11873 Rpt	1680	12.4	<0.5	8390	1.43%	12.5	19.0	5170
11874	1490	6.0	<0.5	3220	1440	13.5	6.5	2430
11875	828	0.3	<0.5	365	658	14.0	1.5	184
11876	370	<0.1	<0.5	1240	2480	57.0	0.5	408
11877	450	0.1	<0.5	1010	1730	60.0	0.5	374
11878	488	<0.1	<0.5	305	268	41.0	1.0	150
11879	588	0.2	<0.5	170	84	23.0	0.5	96
11880	607	0.2	<0.5	175	110	23.5	0.5	100
11881	629	0.1	<0.5	180	66	25.5	0.5	110
11937	905	0.5	<0.5	260	3370	13.5	3.0	382
11938	1200	1.1	<0.5	260	3.60%	9.5	1.0	280
11939	1760	1.3	<0.5	1390	1.62%	11.5	1.5	304
11940	18	49.6	<0.5	2490	3.20%	9.5	11.0	118



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 30 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
11941	1360	0.4	<0.5	165	1.38%	28.5	2.5	150
11942	2300	0.8	<0.5	275	2270	6.0	1.5	66
11943	2200	1.2	<0.5	230	1640	5.5	5.0	124
11944	1020	0.9	<0.5	160	1.74%	43.5	7.0	156
11945	887	0.8	<0.5	300	1.09%	28.0	1.0	420
11946	1080	0.8	<0.5	305	9500	15.0	4.0	280
11947	781	0.4	<0.5	215	1.24%	9.5	8.5	172
11948	888	1.0	<0.5	60	2630	5.0	3.5	80
11949	1080	0.9	<0.5	135	4350	7.5	5.0	102
11950	982	0.5	<0.5	135	1930	11.0	2.5	200
11951	1130	0.9	<0.5	115	7180	10.5	2.0	74
11952	1270	0.7	<0.5	195	1050	7.5	1.5	64
11953	1130	1.2	<0.5	165	1.16%	6.5	2.5	216
11954	258	0.5	<0.5	80	614	5.5	2.0	54
11955	223	0.5	<0.5	45	724	7.0	1.5	64
11956	333	0.9	<0.5	115	964	10.0	1.5	162
11956 Rpt	335	1.0	<0.5	125	946	10.0	1.5	166
11957	292	1.0	<0.5	1270	636	10.5	2.0	230
11958	518	2.7	<0.5	1160	1490	20.0	2.0	844
11959	369	4.3	<0.5	1210	404	13.0	3.0	806
Std Nominal	932	2.6		15	5310	30.5	319	38
Determined	946	2.7	<0.5	20	5250	29.0	326	40
11960	368	4.4	<0.5	1260	374	12.5	3.0	828
11961	475	5.3	<0.5	3530	1540	12.0	2.5	2390
11962	314	1.6	<0.5	595	648	5.5	2.0	504
11963	304	1.7	<0.5	1240	230	6.5	1.5	270
11963 Rpt	305	1.6	<0.5	1300	252	6.5	1.5	274
11964	272	0.8	<0.5	150	170	5.0	1.5	162
11965	551	0.8	<0.5	520	962	22.0	1.0	452
11966	514	0.5	<0.5	375	70	21.5	0.5	406
11967	557	0.4	<0.5	390	152	23.0	0.5	304
11968	597	0.4	<0.5	280	56	18.5	0.5	186
11969	696	1.3	<0.5	900	26	21.0	0.5	448
11970	650	0.9	<0.5	440	18	21.0	<0.5	274
11971	572	1.7	<0.5	1210	66	19.0	<0.5	618
11972	434	0.3	<0.5	2440	60	11.5	0.5	108
11973	624	0.4	<0.5	230	22	19.0	<0.5	190
11974	415	0.4	<0.5	2260	8	11.5	<0.5	84
11975	376	0.3	<0.5	1250	10	10.0	<0.5	66
11976	391	0.3	<0.5	510	22	10.0	0.5	46
11977	414	0.4	<0.5	120	22	11.0	0.5	40
11978	463	0.5	<0.5	900	20	14.5	0.5	64
11978 Rpt	454	0.5	<0.5	885	20	14.5	0.5	64



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 31 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
11979	557	0.3	<0.5	145	12	17.5	1.5	110
Std Nominal				1600	9990			
Determined	44	2.9	<0.5	1690	1.01%	17.5	3.5	64
11980	137	0.1	<0.5	450	80	10.0	1.0	5100
11980 Rpt	134	<0.1	<0.5	440	80	10.0	0.5	5060
11981	662	0.4	<0.5	265	8	22.5	1.0	200
11982	812	0.4	<0.5	375	4340	22.0	1.5	262
11983	800	<0.1	<0.5	50	1130	55.5	0.5	38
11984	1930	0.1	<0.5	60	254	25.0	1.5	48
11985	644	<0.1	<0.5	60	56	25.0	1.0	58
11986	759	0.1	<0.5	65	130	18.5	0.5	64
11987	664	<0.1	<0.5	50	158	14.5	1.0	42
11988	782	0.1	<0.5	70	110	16.5	1.0	44
11989	747	0.5	<0.5	80	16	20.5	1.0	62
11990	602	0.8	<0.5	165	20	38.5	0.5	94
12004	736	0.2	<0.5	350	484	27.5	1.0	192
12005	763	0.1	<0.5	440	596	26.5	1.5	226
12006	655	0.2	<0.5	650	958	31.0	2.0	308
12007	895	0.1	<0.5	295	332	32.0	1.0	176
12008	832	0.3	<0.5	440	270	27.0	4.0	208
12009	801	0.7	1.0	845	78	24.5	13.5	342
12010	805	0.7	<0.5	490	412	27.0	7.5	206
12011	798	0.5	0.5	205	194	30.0	4.0	130
12012	845	0.3	<0.5	395	474	23.5	2.5	260
12013	798	0.9	1.0	1110	1.77%	21.0	3.5	554
Std Nominal				1.50%	4480			
Determined	177	3.8	<0.5	1.49%	4500	213	2.5	32
12014	642	1.3	<0.5	1010	6610	21.0	3.5	468
12015	587	0.3	<0.5	465	1580	33.0	2.0	324
12016	793	0.4	2.5	705	2310	8.0	2.0	372
12016 Rpt	807	0.4	2.5	685	2320	8.5	2.0	360
12017	1090	0.9	2.0	2140	1450	12.5	1.5	1310
12018	318	0.2	1.0	1170	718	7.0	2.0	676
12019	673	0.4	0.5	2010	878	9.5	2.5	1080
12020	19	49.5	<0.5	2380	3.11%	10.0	10.0	120
12021	1000	1.0	<0.5	3960	924	17.0	2.0	1960
12021 Rpt	1030	0.9	0.5	3930	922	17.5	2.0	1950
12022	552	0.4	<0.5	1530	830	10.5	1.0	726
12023	398	0.3	<0.5	1020	272	6.5	1.0	462
12024	475	0.2	<0.5	380	268	6.5	1.0	194
12025	690	0.3	<0.5	200	114	27.0	1.0	130
12026	974	0.2	1.0	145	1350	44.0	1.0	62
12027	1340	0.4	<0.5	50	62	25.5	1.0	34



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
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Reference: u281980 Order Number: NC-002 Page 32 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
12028	804	0.1	<0.5	60	98	18.0	0.5	40
12029	507	0.3	<0.5	100	256	25.0	0.5	64
12030	638	0.2	<0.5	70	40	19.5	0.5	38
12064	413	1.2	<0.5	60	8680	10.0	1.0	62
12065	192	0.3	<0.5	15	934	7.5	1.5	20
12066	545	1.1	<0.5	560	1670	21.0	1.0	304
12067	511	0.8	<0.5	250	1720	27.0	1.0	190
12068	282	0.9	<0.5	75	1340	12.0	1.0	146
12069	651	4.4	<0.5	685	1240	9.5	1.5	482
12070	265	1.3	<0.5	135	1000	9.5	1.0	154
12070 Rpt	246	1.3	<0.5	130	1030	9.5	1.0	154
12071	229	0.5	<0.5	55	304	7.0	1.0	76
12072	317	0.5	<0.5	70	212	6.0	1.5	74
12073	436	0.5	<0.5	335	576	16.5	1.0	204
12074	577	0.3	<0.5	255	322	36.0	<0.5	218
12075	541	0.3	<0.5	160	100	29.5	<0.5	138
12076	551	0.3	<0.5	100	16	25.5	<0.5	90
12077	542	0.8	<0.5	625	12	23.0	<0.5	70
Std Nominal	239	<0.1	<0.5	155	316	7.5	2.0	6930
Determined	223	<0.1	<0.5	160	318	7.5	2.0	6950
12078	472	0.5	<0.5	120	12	19.0	0.5	64
12079	458	0.3	<0.5	30	14	21.0	0.5	44
12080	134	<0.1	<0.5	440	76	11.0	0.5	4990
12081	420	0.3	<0.5	20	8	14.0	0.5	34
12082	468	0.4	<0.5	30	8	19.5	1.5	46
12083	509	0.5	<0.5	60	12	20.0	0.5	54
12084	376	0.4	<0.5	10	6	12.5	0.5	22
12085	435	0.3	<0.5	15	6	16.5	0.5	30
12086	442	0.4	<0.5	60	8	16.5	0.5	36
12087	564	0.8	<0.5	245	10	22.5	0.5	56
12088	491	0.4	<0.5	550	4	18.5	0.5	48
12088 Rpt	487	0.4	<0.5	535	6	18.0	0.5	48
12089	622	0.1	<0.5	30	2	24.0	0.5	42
12090	644	1.1	<0.5	30	14	21.5	2.5	42
12091	682	0.5	<0.5	40	1490	28.0	1.5	32
12092	664	0.2	<0.5	50	586	30.0	1.0	38
12093	1830	0.2	<0.5	60	42	35.0	0.5	46
12094	865	<0.1	<0.5	50	56	20.0	0.5	38
12095	688	<0.1	<0.5	60	120	20.0	1.0	38
12096	758	0.1	<0.5	60	14	15.0	1.0	34
12097	642	1.2	<0.5	70	90	15.5	1.0	34
12098	668	1.6	<0.5	100	50	26.0	1.0	62
12098 Rpt	666	1.6	<0.5	100	50	26.0	1.0	60



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
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Reference: u281980 Order Number: NC-002 Page 33 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
12099	710	0.7	<0.5	185	30	26.5	1.5	112
12100	721	0.7	<0.5	200	32	26.5	1.5	116
12101	822	1.2	<0.5	105	60	22.5	1.0	62
12102	723	1.0	<0.5	95	46	28.0	1.5	64
12103	634	0.4	<0.5	85	10	33.0	1.0	66
12104	579	0.2	<0.5	140	114	43.5	1.0	134
12105	720	0.3	0.5	125	8	37.5	1.5	100
12106	516	0.2	1.0	160	98	40.5	1.0	132
12107	615	0.8	<0.5	185	38	36.0	1.0	108
12108	747	0.7	<0.5	375	320	38.5	1.0	206
12109	703	0.2	<0.5	485	116	33.0	1.0	256
12110	730	0.2	<0.5	450	88	31.0	0.5	240
12111	838	0.4	1.0	520	252	26.0	1.0	210
12112	704	0.2	<0.5	110	264	26.5	0.5	92
12113	735	0.5	<0.5	265	314	30.5	0.5	166
12114	889	0.9	<0.5	875	540	25.5	1.5	396
12114 Rpt	852	0.9	<0.5	905	546	25.0	1.5	406
12115	728	0.9	<0.5	525	126	25.5	1.5	258
12116	846	1.0	<0.5	585	208	24.0	2.5	274
Std Nominal	132	3.0	9.0	45	1500	9.5	67.0	74
Determined	129	2.9	8.5	50	1520	10.0	66.0	72
12117	659	0.7	<0.5	520	150	30.5	2.0	280
12118	703	0.5	<0.5	975	2820	32.5	2.0	560
12119	635	0.8	4.0	2600	2.31%	27.5	2.0	1850
12120	17	48.9	<0.5	2410	3.16%	10.5	10.0	118
12121	1350	1.3	1.0	3860	5120	31.5	2.5	2350
Std Nominal	932	2.6		15	5310	30.5	319	38
Determined	919	2.7	<0.5	20	5290	31.5	321	40
12122	1010	1.2	1.5	3660	5470	30.0	2.0	2060
12122 Rpt	1060	1.2	1.5	3730	5400	30.0	2.5	2080
12123	433	0.4	<0.5	1620	6520	40.0	1.5	998
12124	507	1.2	2.0	5000	4.21%	25.5	4.0	2960
12124 Rpt	491	1.1	2.0	4910	4.12%	25.5	3.5	2900
12125	575	1.1	0.5	3450	2520	32.5	2.5	1890
12126	635	0.9	1.5	1500	614	16.0	2.5	726
12127	926	0.9	0.5	1840	746	17.0	2.5	1060
12128	921	0.9	1.5	2290	1180	11.5	3.5	1250
12129	609	0.5	1.5	1780	2680	12.5	3.0	1030
12165	1020	1.6	<0.5	110	568	15.0	1.0	130
12166	1080	1.1	<0.5	25	274	9.0	1.0	32
12167	1170	2.5	<0.5	55	1070	12.0	1.0	84
12168	272	0.3	<0.5	30	1500	7.0	1.5	40
12169	228	0.4	<0.5	40	2140	8.0	1.5	54



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 34 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
12170	312	0.8	<0.5	60	904	14.0	1.0	56
12171	326	0.5	<0.5	170	2630	18.0	1.5	86
12172	507	1.3	<0.5	400	5890	28.5	1.0	242
12173	306	0.8	<0.5	520	3220	13.5	1.0	310
12174	239	0.3	<0.5	85	4590	4.5	1.5	80
12192	547	0.3	<0.5	40	42	21.5	0.5	48
12193	440	0.3	<0.5	15	18	15.5	1.0	24
12194	358	0.4	<0.5	30	10	16.5	1.0	28
12195	414	0.4	<0.5	75	18	15.0	1.0	26
12196	260	0.7	<0.5	20	38	16.5	2.0	18
12197	305	0.5	<0.5	15	18	6.5	7.0	2
12198	591	0.1	<0.5	40	20	28.0	1.0	24
12199	790	0.4	<0.5	45	14	24.0	0.5	20
12200	130	<0.1	<0.5	445	76	11.0	0.5	4970
12201	524	<0.1	<0.5	45	52	16.0	0.5	24
12202	622	<0.1	<0.5	40	56	11.5	1.0	22
12203	671	<0.1	<0.5	30	26	22.0	1.0	20
12212	744	0.1	<0.5	75	418	25.5	0.5	60
12213	761	0.2	<0.5	85	58	24.5	1.0	60
12214	705	0.7	<0.5	90	662	11.0	1.0	118
12215	773	<0.1	<0.5	60	142	32.5	1.0	44
12216	766	0.3	<0.5	135	22	26.5	1.5	84
12217	778	0.2	<0.5	145	50	33.0	1.0	118
12282	755	0.2	<0.5	120	146	28.0	1.0	80
12283	582	0.2	<0.5	300	788	18.5	1.0	130
12284	413	0.5	<0.5	50	20	17.0	1.0	22
12285	403	0.4	<0.5	20	14	16.5	1.0	26
Std Nominal				1600	9990			
Determined	40	2.8	<0.5	1690	1.04%	20.0	3.0	60
12290	386	0.5	<0.5	15	20	12.0	1.0	20
12291	403	0.4	<0.5	10	30	12.0	1.0	14
12291 Rpt	390	0.4	<0.5	10	28	11.5	1.0	16
12292	403	0.4	<0.5	15	18	11.0	1.0	18
12293	393	0.4	<0.5	10	24	12.5	1.0	22
12294	412	0.7	<0.5	10	4	13.0	0.5	22
12295	533	0.2	<0.5	15	32	21.5	<0.5	38
12296	459	0.7	<0.5	15	62	15.0	0.5	26
12297	451	0.3	<0.5	15	34	15.0	0.5	28
12336	515	0.8	<0.5	130	78	49.5	0.5	96
12336 Rpt	508	0.8	<0.5	135	76	48.0	0.5	98
12337	735	0.2	<0.5	135	54	29.0	0.5	98
12338	321	<0.1	<0.5	35	100	12.0	1.0	22
12339	463	0.2	<0.5	90	360	14.0	1.5	62



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 35 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
12340	17	50.9	<0.5	2390	3.19%	10.5	10.5	116
12341	240	0.1	<0.5	125	2130	5.5	2.0	60
12342	213	0.1	<0.5	290	2590	5.5	3.5	124
12343	762	0.4	<0.5	470	1700	16.0	1.5	194
12344	667	0.7	<0.5	985	204	33.5	1.0	142
12345	743	0.3	<0.5	50	96	27.0	1.5	42
12346	861	<0.1	<0.5	30	152	8.5	1.0	14
12347	837	0.5	<0.5	40	76	15.5	1.0	18
12348	797	0.1	<0.5	45	16	45.0	1.0	36
12349	754	<0.1	<0.5	40	12	46.0	0.5	34
12350	541	0.4	<0.5	85	18	46.5	1.0	76
12350 Rpt	537	0.3	<0.5	80	20	48.0	1.0	78
12351	524	1.2	<0.5	40	26	24.5	1.5	26
12352	529	0.8	<0.5	45	148	21.5	1.0	28
12353	445	0.8	<0.5	40	12	35.0	0.5	20
12354	418	0.9	<0.5	60	6	56.0	<0.5	32
Std Nominal				1.50%	4480			
Determined	152	3.8	<0.5	1.55%	4570	257	2.5	20
12355	573	0.1	<0.5	55	12	30.5	1.0	26
12355 Rpt	573	0.1	<0.5	55	10	29.5	1.0	28
12356	463	0.2	<0.5	50	12	40.0	0.5	28
12371	1020	1.4	<0.5	70	54	27.5	1.0	36
12372	1170	1.7	<0.5	40	38	13.5	1.0	24
12373	1060	2.2	<0.5	50	60	7.5	0.5	36
12374	1140	2.0	<0.5	40	114	8.0	1.0	22
12375	924	0.8	<0.5	60	276	10.0	0.5	60
12376	209	<0.1	<0.5	10	88	5.0	1.0	8
12377	231	<0.1	<0.5	20	200	6.0	1.0	24
12378	370	0.1	<0.5	45	222	11.5	1.0	22
12379	469	0.2	<0.5	135	694	21.0	1.0	78
12380	451	0.2	<0.5	130	692	19.5	1.0	76
12381	420	0.4	<0.5	65	2360	20.0	1.0	72
12382	382	0.4	<0.5	335	742	15.5	1.0	118
12404	443	0.5	<0.5	175	22	16.0	1.0	26
Std Nominal	239	<0.1	<0.5	155	316	7.5	2.0	6930
Determined	243	<0.1	<0.5	155	320	8.0	2.0	6940
12405	240	1.6	<0.5	15	46	13.5	2.0	32
12406	636	1.0	<0.5	15	98	27.5	1.0	18
12407	628	0.3	<0.5	25	142	29.5	0.5	20
12408	1040	1.0	<0.5	30	74	24.0	0.5	12
12409	1050	0.5	<0.5	65	318	11.0	0.5	10
12410	632	0.4	<0.5	30	34	14.5	<0.5	12
12411	507	0.3	<0.5	30	8	17.0	<0.5	18



Reference: u281980 Order Number: NC-002 Page 36 of 49

	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm
Detection Limit	1	0.1	0.5	5	2	0.5	0.5	2
12412	504	0.3	<0.5	20	4	15.0	<0.5	14
12412 Rpt	504	0.3	<0.5	25	4	14.5	<0.5	14
12413	597	0.2	<0.5	30	14	16.5	<0.5	14
12414	468	0.2	<0.5	40	12	20.5	<0.5	20
12415	463	0.2	<0.5	375	26	23.5	0.5	24
12416	454	0.2	<0.5	180	14	39.0	1.0	14
12417	408	0.2	<0.5	250	278	24.5	1.0	18
12569	314	0.5	<0.5	95	744	28.5	3.0	94
12570	945	0.5	<0.5	275	526	37.0	1.0	236
12571	1200	0.4	<0.5	225	298	7.5	3.5	162
12572	1180	0.3	<0.5	90	344	9.0	3.0	78
12573	1170	0.4	<0.5	95	352	9.0	3.0	52
12574	1050	0.5	<0.5	135	896	9.0	2.5	106
12575	1080	1.7	<0.5	145	560	14.0	1.0	72
12576	1170	0.5	<0.5	25	218	3.0	1.0	16
12576 Rpt	1090	0.5	<0.5	20	202	3.0	1.0	14
12577	902	0.7	<0.5	40	554	6.0	0.5	38
12578	274	<0.1	<0.5	10	128	5.0	1.0	6
12579	330	<0.1	<0.5	20	224	6.0	1.5	28
12580	134	<0.1	<0.5	450	76	11.0	0.5	4980
12581	228	<0.1	<0.5	15	218	6.0	1.0	44
12582	305	0.4	<0.5	35	206	14.5	1.0	30
12583	368	0.2	<0.5	70	154	18.0	1.0	42
12584	489	0.3	<0.5	45	98	20.5	0.5	30
11540	136	<0.1	<0.5	450	76	10.5	0.5	5000
11540 Rpt	134	<0.1	<0.5	450	78	10.5	0.5	4980
Std Nominal	132	3.0	9.0	45	1500	9.5	67.0	74
Determined	130	2.9	9.0	45	1570	9.5	65.0	76



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MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
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Reference: u281980 Order Number: NC-002 Page 37 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
11526	86	116	6.6	10.8
11527	172	70	6.4	11.3
11528	318	138	9.3	12.1
11529	132	84	6.8	11.2
11530	82	62	9.7	11.3
11531	42	74	10.7	17.1
11532	13	24	2.4	6.1
11533	12	30	3.4	11.8
11534	13	46	3.7	13.3
11535	26	70	4.3	20.8
11536	8	16	1.0	5.9
11536 Rpt	8	16	1.1	5.8
11537	24	24	1.4	5.1
11537 Rpt	23	24	1.5	5.2
11538	17	16	1.2	5.0
11539	17	12	0.8	3.6
11541	43	74	5.4	24.4
11542	33	74	4.8	25.3
11543	24	62	4.5	26.1
11544	32	96	4.2	26.7
11545	29	74	3.4	24.5
11546	36	84	3.4	24.8
11547	25	70	3.5	24.6
Std Nominal	3	104	0.7	2.8
Determined	4	104	0.6	3.0
11548	14	80	3.9	24.3
11549	11	74	4.2	25.3
11550	9	66	5.3	25.0
11551	10	74	4.5	23.6
11552	8	58	4.5	24.7
11553	9	54	4.9	23.4
11554	9	50	5.5	23.5
11555	8	34	5.8	23.0
11556	7	80	4.9	23.3
11557	9	30	4.5	14.0
11558	7	24	6.9	10.7
11559	4	34	6.4	9.9
11561	3	42	5.2	11.4
11562	3	30	5.1	10.8
11563	2	38	5.5	10.6
11563 Rpt	2	38	5.5	10.7
11564	2	30	7.2	10.7
11565	3	16	5.9	10.8



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MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 38 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
11565 Rpt	3	18	5.9	10.7
11566	4	20	6.1	11.1
Std Nominal	521	5200	0.8	2.7
Determined	506	5140	0.8	2.8
11630	14	20	5.2	10.6
11631	4	8	1.4	5.0
11632	4	8	1.2	5.1
11633	5	12	1.8	7.8
11634	6	16	4.2	12.7
11635	15	42	4.1	21.0
11636	57	54	6.5	23.1
11637	38	34	13.6	21.9
11638	6	12	1.5	5.5
11639	6	16	2.1	10.9
11640	6	12	2.2	11.2
11641	5	8	1.9	8.7
11642	5	8	1.1	6.7
11643	8	38	2.7	15.2
11644	9	50	2.4	17.5
11645	8	46	2.3	17.1
11646	10	38	2.2	17.9
11647	10	34	2.1	16.7
11648	7	34	2.3	15.9
11649	7	34	2.2	15.7
11650	10	30	2.3	15.8
11651	8	38	2.3	15.7
11651 Rpt	8	38	2.4	16.0
11652	9	42	2.4	16.0
11653	11	38	2.8	16.1
11654	9	38	2.8	14.8
11655	10	80	3.1	15.8
11656	9	42	3.9	17.1
11657	9	38	3.4	14.7
11658	8	34	3.7	14.8
11659	7	30	3.9	16.1
11660	7	96	0.9	2.8
11661	6	24	4.3	15.9
11662	8	50	10.3	13.8
11663	5	24	10.0	11.7
11663 Rpt	6	24	9.7	11.0
11664	4	20	7.2	10.5
Std Nominal	24	92	4.2	15.6
Determined	23	90	4.2	15.2



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MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
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Reference: u281980 Order Number: NC-002 Page 39 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
11665	5	20	6.6	10.0
11666	5	20	4.5	9.6
11667	4	38	4.0	9.7
11668	4	50	3.1	9.9
11669	5	54	3.2	10.7
11670	6	58	4.1	11.6
11671	6	50	6.4	10.5
11672	7	38	5.4	9.8
11673	6	66	3.2	10.8
11730	19	96	4.0	11.0
11731	10	88	3.9	11.4
11732	7	42	4.0	10.9
11733	8	24	5.6	10.8
11733 Rpt	8	24	5.5	11.0
11734	14	30	7.4	13.0
11735	6	12	2.0	5.7
11736	5	70	1.2	4.6
11737	5	24	1.8	7.1
Std Nominal				
Determined	9	66	63.7	2.2
11738	5	20	2.0	7.7
11739	7	34	2.7	12.4
11739 Rpt	7	34	2.8	12.5
11740	7	38	2.6	12.6
11741	50	62	4.3	17.2
11742	15	24	2.8	10.8
11743	5	46	1.1	6.0
11744	5	30	0.8	3.7
11745	6	24	2.0	13.0
11746	4	16	1.5	7.5
11747	5	12	1.2	7.5
11748	6	38	2.7	16.9
11749	7	42	2.3	16.4
11750	7	38	2.3	17.1
11751	7	38	2.1	17.5
11752	9	30	2.0	15.9
11753	9	34	1.9	15.3
11754	8	34	2.0	14.9
11755	9	108	2.3	15.7
11756	9	42	2.1	14.8
11757	8	38	2.4	15.3
11758	10	42	2.9	16.3
11759	8	46	3.1	16.9



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MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 40 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
11760	420	38	1.5	3.0
11761	9	38	3.7	17.8
11762	9	70	3.6	17.1
Std Nominal				
Determined	12	104	9.9	10.7
11763	9	34	4.2	16.1
11763 Rpt	9	36	4.1	16.0
11764	7	42	4.7	19.3
11765	14	38	6.5	23.6
11766	17	20	20.3	17.9
11767	4	24	6.4	12.6
11802	16	228	6.1	12.9
11803	6	34	6.4	11.9
11804	4	38	4.5	10.3
11805	17	58	2.9	7.8
11806	17	54	7.9	18.9
11807	5	20	2.3	6.4
11808	8	24	1.8	6.1
11809	6	20	1.9	5.7
11810	27	76	8.0	23.7
11810 Rpt	29	74	8.2	24.2
11811	13	70	7.1	23.9
11812	7	46	6.9	12.5
11813	6	38	4.9	11.4
11832	22	70	9.9	10.6
11833	12	24	8.3	9.0
11833 Rpt	11	20	8.3	9.2
11834	11	62	8.2	11.2
11835	14	42	6.7	11.2
11836	16	54	5.1	10.8
11837	9	42	4.1	11.1
11838	20	54	4.0	10.4
11839	11	38	3.4	11.2
11840	7	100	1.0	2.8
11841	13	38	4.2	11.2
11842	21	38	5.3	11.3
11843	46	50	11.6	14.2
Std Nominal	3	104	0.7	2.8
Determined	4	108	0.7	2.8
11844	18	24	2.6	7.9
11845	10	12	1.8	8.0
11846	7	16	1.4	7.0
11847	11	32	3.5	15.5



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MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 41 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
11847 Rpt	11	30	3.5	15.6
11848	12	62	3.7	19.5
11849	12	46	3.9	18.1
11850	8	30	2.3	11.1
11851	7	20	1.2	6.3
11852	6	12	0.8	3.6
11853	16	24	2.2	12.0
11854	6	16	1.4	6.7
11855	12	16	2.8	12.1
11856	24	70	4.5	25.2
11857	14	46	3.7	25.4
11858	18	58	3.5	26.0
11859	14	42	3.3	24.8
11860	424	38	1.5	3.2
11861	13	46	3.3	24.5
11862	12	46	3.6	24.9
11862 Rpt	12	42	3.5	24.9
11863	14	54	3.6	25.6
11864	9	54	4.2	25.1
11865	11	50	4.1	20.7
11866	6	38	2.9	15.9
Std Nominal	521	5200	0.8	2.7
Determined	509	5020	0.8	2.7
11867	12	42	4.1	18.6
11868	9	46	5.7	23.5
11869	8	58	6.4	23.5
11870	9	50	6.8	23.9
11871	15	38	18.4	16.4
11872	17	24	16.1	12.6
11873	63	48	10.9	11.5
11873 Rpt	65	46	11.0	12.0
11874	36	30	9.6	11.7
11875	8	70	9.9	12.6
11876	4	116	9.5	12.3
11877	4	112	7.4	12.0
11878	5	62	7.6	12.6
11879	6	46	8.1	11.9
11880	6	46	8.5	12.5
11881	5	50	7.4	12.8
11937	12	66	6.9	25.6
11938	19	66	22.0	19.9
11939	25	54	34.7	15.0
11940	435	36	1.6	3.2



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
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Reference: u281980 Order Number: NC-002 Page 42 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
11941	12	54	27.4	12.4
11942	10	16	31.8	12.5
11943	13	100	29.8	12.6
11944	12	58	16.6	9.7
11945	8	66	12.8	12.8
11946	13	50	6.6	10.9
11947	19	46	5.8	11.3
11948	11	24	5.1	10.9
11949	13	50	4.2	10.9
11950	12	54	3.5	11.2
11951	12	24	4.4	10.7
11952	9	34	4.8	10.8
11953	20	42	11.3	18.9
11954	6	16	1.8	5.9
11955	5	88	1.5	6.9
11956	10	58	2.3	12.8
11956 Rpt	10	58	2.3	13.2
11957	9	58	2.5	11.1
11958	13	62	4.0	21.8
11959	15	34	3.1	14.8
Std Nominal	24	92	4.2	15.6
Determined	24	94	4.4	15.4
11960	15	34	3.0	14.6
11961	20	38	3.7	18.4
11962	10	50	1.8	8.8
11963	16	30	2.1	10.9
11963 Rpt	16	32	2.1	11.1
11964	6	16	1.8	7.6
11965	12	46	3.3	18.7
11966	7	50	2.9	18.6
11967	8	46	3.1	20.8
11968	10	46	2.8	21.1
11969	13	42	3.3	24.6
11970	8	50	3.3	23.4
11971	10	38	3.3	23.0
11972	6	42	2.5	17.8
11973	7	42	3.6	24.2
11974	6	50	3.5	17.8
11975	6	42	3.0	16.4
11976	8	38	2.9	16.0
11977	8	46	3.2	16.4
11978	7	46	4.6	18.8
11978 Rpt	7	42	4.4	18.1



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
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Reference: u281980 Order Number: NC-002 Page 43 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
11979	7	46	5.5	21.1
Std Nominal				
Determined	11	66	63.8	2.1
11980	7	98	1.0	2.8
11980 Rpt	7	96	0.9	2.7
11981	8	62	5.7	23.7
11982	14	42	12.5	21.8
11983	4	30	7.9	12.5
11984	7	30	5.9	12.6
11985	4	38	5.5	12.3
11986	4	34	5.2	12.7
11987	2	38	4.5	11.9
11988	4	30	6.1	13.1
11989	14	42	8.0	13.2
11990	30	58	10.2	13.5
12004	14	58	3.3	13.2
12005	14	38	2.9	12.9
12006	13	88	3.3	13.5
12007	8	54	3.5	13.7
12008	10	66	3.7	13.5
12009	12	128	3.5	12.8
12010	11	88	3.3	13.5
12011	15	112	4.0	14.0
12012	9	62	3.6	13.8
12013	17	458	2.7	12.4
Std Nominal				
Determined	13	108	11.6	11.8
12014	17	112	3.1	13.2
12015	8	62	5.2	14.4
12016	70	1000	5.4	13.6
12016 Rpt	64	986	5.5	13.6
12017	46	458	6.5	18.7
12018	31	266	2.3	8.7
12019	30	158	5.8	16.7
12020	426	38	1.5	3.4
12021	93	130	9.8	27.3
12021 Rpt	88	128	10.2	27.8
12022	33	58	6.4	16.5
12023	48	88	4.5	11.9
12024	18	46	4.6	13.4
12025	21	84	8.2	24.3
12026	13	84	32.4	14.0
12027	10	38	11.1	12.8



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 44 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
12028	9	50	9.6	14.1
12029	7	62	7.4	13.8
12030	6	34	5.1	12.7
12064	10	16	3.9	17.3
12065	4	12	1.7	8.0
12066	12	46	3.7	20.6
12067	8	62	4.0	21.6
12068	7	20	2.4	12.4
12069	20	24	5.3	22.0
12070	8	20	1.9	10.6
12070 Rpt	8	20	1.9	10.4
12071	6	12	1.7	7.3
12072	8	12	1.4	8.1
12073	8	24	2.2	11.8
12074	6	46	3.0	21.1
12075	7	42	2.8	22.1
12076	7	38	2.9	21.9
12077	7	38	2.6	20.3
Std Nominal	3	104	0.7	2.8
Determined	3	106	0.7	2.7
12078	10	34	2.5	18.9
12079	9	42	2.6	18.6
12080	7	100	1.0	2.8
12081	9	38	2.3	16.6
12082	9	42	3.0	19.4
12083	9	42	3.7	23.7
12084	11	34	2.9	15.8
12085	9	42	3.9	18.9
12086	9	42	4.0	17.6
12087	8	42	5.2	25.0
12088	7	38	5.3	19.4
12088 Rpt	7	40	5.1	20.1
12089	8	46	6.5	24.8
12090	15	34	8.2	23.5
12091	12	30	19.8	12.8
12092	7	30	10.3	12.2
12093	7	34	7.2	12.9
12094	3	24	7.5	11.8
12095	3	34	7.8	12.3
12096	4	30	7.6	13.5
12097	32	20	4.7	11.7
12098	65	116	5.7	13.4
12098 Rpt	69	112	5.6	13.5



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 45 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
12099	19	42	5.6	13.4
12100	19	42	5.5	13.4
12101	36	70	4.6	13.4
12102	18	46	5.0	13.3
12103	8	46	4.5	13.4
12104	4	62	4.8	13.6
12105	6	120	4.5	12.8
12106	18	250	4.7	12.7
12107	10	58	4.8	12.9
12108	8	54	4.1	13.5
12109	9	58	4.7	13.0
12110	6	46	4.5	12.6
12111	55	242	4.1	11.7
12112	5	34	3.3	11.7
12113	7	58	3.6	11.9
12114	9	64	4.6	12.4
12114 Rpt	9	62	4.6	12.3
12115	8	50	3.6	12.1
12116	12	42	5.0	12.7
Std Nominal	521	5200	0.8	2.7
Determined	515	5220	0.7	2.6
12117	12	54	3.7	13.2
12118	15	70	3.7	12.4
12119	17	1270	2.7	10.7
12120	422	38	1.5	3.2
12121	21	274	2.8	12.0
Std Nominal	24	92	4.2	15.6
Determined	23	94	4.1	15.0
12122	41	178	2.8	12.6
12122 Rpt	44	180	2.8	12.8
12123	12	80	3.5	13.4
12124	41	408	3.2	12.3
12124 Rpt	38	396	3.2	12.0
12125	27	138	4.7	14.4
12126	120	316	4.2	11.9
12127	60	112	6.9	19.6
12128	171	246	7.6	23.7
12129	124	224	5.8	14.6
12165	9	20	2.7	10.7
12166	8	16	3.7	10.5
12167	14	30	6.6	19.7
12168	5	12	1.5	5.8
12169	4	12	1.5	7.3



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 46 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
12170	6	16	2.6	12.5
12171	7	42	3.0	12.7
12172	13	62	4.0	22.0
12173	8	20	3.0	12.0
12174	7	8	1.7	5.7
12192	8	54	6.1	24.3
12193	9	42	4.3	18.8
12194	8	42	4.4	17.0
12195	7	38	4.6	16.3
12196	7	20	3.7	7.9
12197	10	30	21.5	4.7
12198	7	20	8.0	10.1
12199	11	20	6.2	10.3
12200	7	98	0.9	2.6
12201	11	16	5.2	10.4
12202	4	20	4.7	10.9
12203	3	30	5.2	10.6
12212	9	30	3.6	11.5
12213	8	46	3.1	11.3
12214	16	12	3.7	21.7
12215	4	62	2.9	10.6
12216	19	38	3.5	11.4
12217	12	100	3.9	12.0
12282	10	42	3.4	11.4
12283	6	30	3.1	18.6
12284	8	62	2.3	17.1
12285	8	46	2.3	16.2
Std Nominal				
Determined	10	66	64.0	2.1
12290	9	74	2.2	15.1
12291	9	38	2.4	15.2
12291 Rpt	9	42	2.3	15.0
12292	10	42	2.5	16.0
12293	10	42	2.7	15.6
12294	10	42	3.2	18.5
12295	7	46	4.9	21.6
12296	9	54	4.0	17.0
12297	8	46	4.5	17.5
12336	102	66	4.7	12.3
12336 Rpt	96	66	4.7	12.3
12337	13	42	6.1	19.3
12338	8	20	2.5	9.1
12339	14	34	5.3	13.3



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u281980 Order Number: NC-002 Page 47 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
12340	430	36	1.5	3.0
12341	6	12	2.2	6.3
12342	6	16	1.8	5.7
12343	17	42	5.8	25.7
12344	44	58	6.8	27.8
12345	17	46	18.5	20.1
12346	6	20	5.2	10.4
12347	13	38	5.8	11.8
12348	5	62	5.1	11.9
12349	4	54	5.6	11.6
12350	9	104	5.6	11.9
12350 Rpt	8	104	5.8	12.0
12351	10	42	5.5	12.3
12352	10	38	4.8	11.6
12353	7	62	3.7	11.1
12354	8	92	4.3	11.9
Std Nominal				
Determined	12	104	10.6	11.6
12355	4	58	4.2	12.9
12355 Rpt	4	62	4.2	12.9
12356	5	74	3.7	12.3
12371	10	42	2.9	10.5
12372	11	24	3.0	11.1
12373	10	16	3.6	11.5
12374	8	20	5.0	12.3
12375	14	24	5.9	25.0
12376	4	34	1.0	4.6
12377	4	24	1.4	6.6
12378	6	30	2.4	14.4
12379	6	42	3.2	17.4
12380	6	42	3.0	18.8
12381	7	30	3.3	16.9
12382	7	24	2.8	17.4
12404	7	34	4.7	18.8
Std Nominal	3	104	0.7	2.8
Determined	3	104	0.6	2.7
12405	6	16	2.2	5.7
12406	9	16	13.8	10.6
12407	9	20	11.2	10.7
12408	7	30	6.4	8.7
12409	8	42	4.5	9.4
12410	8	24	4.4	10.0
12411	6	24	4.4	10.1



Reference: u281980 Order Number: NC-002 Page 48 of 49

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
12412	5	20	3.5	9.9
12412 Rpt	5	22	3.5	10.1
12413	5	30	3.5	10.0
12414	7	66	3.5	10.4
12415	9	42	3.1	9.7
12416	8	42	2.7	9.3
12417	19	200	2.5	8.4
12569	24	16	7.9	11.4
12570	18	34	4.3	10.9
12571	14	30	3.4	10.0
12572	16	16	3.0	10.9
12573	13	20	2.5	10.8
12574	7	50	2.8	10.9
12575	10	34	3.5	11.4
12576	7	8	6.0	12.1
12576 Rpt	6	8	5.6	11.3
12577	9	12	7.6	16.4
12578	3	4	1.2	4.6
12579	4	8	1.4	6.8
12580	7	96	0.9	2.7
12581	4	20	1.4	7.7
12582	7	30	2.6	13.6
12583	7	34	2.8	14.8
12584	7	34	3.9	22.7
11540	7	96	0.9	2.7
11540 Rpt	7	96	0.9	2.6
Std Nominal	521	5200	0.8	2.7
Determined	529	5280	0.9	2.7

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.

"IS" Implies insufficient sample for this determination
"NR" Implies result is not required for this determination
"M" Implies this result reported in ppm
"%" Implies this result reported in %

Sample Storage

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



Reference: u281980 Order Number: NC-002 Page 49 of 49

Sample Preparation

The samples have been sorted and dried. Primary preparation has been by crushing the whole sample. The samples have been split with a riffle splitter to obtain a sub-fraction which has then been pulverised in a vibrating pulveriser.

Digest and Analysis:

The sample(s) have been digested and refluxed with a mixture of Acids including Hydrofluoric, Nitric, Hydrochloric and Perchloric Acids. This extended digest approaches a Total digest for many elements however some refractory minerals are not completely attacked.

Ca,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,P,S,V,Zn

have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.

Ag,As,Ba,Bi,Cd,Li,Mo,Pb,Th,U

have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry.

The samples have been analysed by Firing a 40 gm (approx) portion of the sample. Lower sample weights may be employed for samples with very high sulphide and metal contents. This is the classical fire assay process and will give total separation of Gold, Platinum and Palladium in the sample.

Au1,Au2,Pd,Pt

have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.