



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: **u283441**
Date Finished: 29/01/2018
Order: NC_008
Project: Wollogorang
Date Received: 22/12/2017
Samples Analysed: **325**

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



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Reference: u283441 Order Number: NC_008 Page 1 of 40

	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
18904	10	NR	<5	<5	0.84	40	2.06	9.81
18905	5	NR	<5	<5	0.76	30	1.43	10.6
18906	8	NR	<5	<5	0.81	40	1.04	11.2
18907	1	NR	<5	<5	0.12	30	1.61	5.65
18908	1	NR	<5	<5	0.06	10	0.70	2.30
18909	2	NR	<5	<5	0.06	10	0.72	2.60
18910	5	NR	<5	<5	0.07	20	1.63	4.29
18911	8	NR	<5	<5	0.07	30	1.96	6.79
18912	2	NR	<5	<5	0.07	30	1.45	6.48
18913	3	NR	<5	<5	0.18	30	1.08	6.69
18914	1	NR	<5	<5	0.20	30	1.53	7.24
Std Nominal	52	52	45	45	5.91	230	9.63	0.60
Determined	51	NR	50	45	5.89	190	9.55	0.61
18915	2	NR	<5	<5	0.15	30	0.90	3.08
18916	2	NR	<5	<5	0.08	20	1.01	2.89
18917	4	NR	5	<5	0.12	30	2.19	6.02
18918	7	NR	<5	<5	0.16	40	4.68	8.92
18918 Rpt	8	NR	<5	<5	0.15	40	4.62	8.78
18919	6	NR	<5	<5	0.16	40	3.53	9.41
18920	NR	NR	NR	NR	0.06	30	8.95	0.20
18921	7	NR	<5	<5	0.18	60	3.70	7.58
18922	4	NR	<5	<5	0.20	60	3.38	6.36
18923	3	NR	<5	<5	0.20	60	4.11	4.10
18923 Rpt	2	NR	<5	<5	0.19	60	4.14	6.50
18924	2	NR	<5	<5	0.19	60	5.07	5.53
18925	7	NR	<5	<5	0.19	60	4.56	6.17
18926	4	NR	<5	<5	0.19	50	5.58	7.52
18927	1	NR	<5	<5	4.14	40	4.91	6.94
18928	2	NR	<5	<5	0.23	50	4.44	8.98
18929	3	NR	<5	<5	0.19	50	3.57	9.67
18930	5	NR	<5	<5	0.19	60	3.14	5.47
18931	5	NR	<5	<5	0.20	60	2.93	4.59
18932	5	NR	<5	5	0.25	50	3.47	2.38
18933	4	NR	<5	<5	0.65	20	3.47	8.67
18934	2	NR	<5	<5	0.74	20	2.61	7.78
Std Nominal	1.37M	1.37M			2.48	170	8.65	2.35
Determined	1.38M	NR	<5	<5	2.52	150	8.56	2.32
18935	2	NR	<5	<5	0.74	20	2.89	7.11
18936	1	NR	<5	<5	0.81	20	2.83	9.17
18937	1	NR	<5	<5	0.69	20	3.61	9.52
18937 Rpt	1	NR	<5	<5	0.68	20	3.66	9.74
18938	2	NR	<5	<5	0.72	20	4.73	6.63



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Reference: u283441 Order Number: NC_008 Page 2 of 40

	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
18939	1	NR	<5	<5	0.72	20	4.85	7.54
18940	NR	NR	NR	NR	1.70	6940	24.9	0.11
18941	1	NR	<5	<5	0.85	50	2.34	10.8
18942	3	NR	<5	<5	0.95	20	2.33	10.5
18943	2	NR	<5	<5	0.81	20	3.48	9.76
18943 Rpt	2	NR	<5	<5	0.81	20	3.44	9.64
18944	1	NR	<5	<5	0.80	20	2.95	7.62
18945	1	NR	<5	<5	0.77	20	2.65	9.58
18946	1	NR	<5	<5	0.84	20	2.51	9.23
18947	2	NR	<5	<5	0.85	20	2.72	10.3
18948	1	NR	<5	<5	0.78	20	8.37	6.34
18949	<1	NR	<5	<5	0.75	20	9.26	6.98
18950	1	NR	<5	<5	0.73	20	7.59	5.58
18951	4	NR	<5	<5	0.75	30	6.49	6.84
18952	1	NR	<5	<5	0.68	30	4.56	6.59
18953	2	NR	<5	<5	0.84	20	6.73	6.62
18954	4	NR	<5	<5	0.76	20	5.81	8.17
18955	6	NR	<5	<5	0.84	30	7.24	8.19
18956	10	NR	<5	<5	0.88	30	6.86	8.09
18957	3	NR	<5	<5	0.83	30	6.69	8.66
18958	2	NR	<5	<5	0.79	20	8.28	7.26
18959	4	NR	<5	<5	1.06	20	7.95	6.88
Std Nominal	860	860	910	690	2.73	80	5.43	3.07
Determined	865	NR	905	675	2.74	50	5.47	3.06
18960	NR	NR	NR	NR	0.06	40	8.83	0.19
18961	5	NR	<5	<5	0.94	20	9.24	6.29
18962	3	NR	<5	<5	0.91	20	9.48	4.90
18963	4	NR	<5	<5	1.39	20	8.60	5.22
18964	27	NR	<5	<5	2.39	20	7.45	6.98
18964 Rpt	26	NR	<5	<5	2.43	20	7.44	6.93
18965	3	NR	<5	<5	0.78	20	5.66	8.95
18966	7	NR	<5	<5	0.75	20	4.13	9.84
18966 Rpt	7	NR	<5	<5	0.73	20	4.13	9.90
18967	3	NR	<5	<5	0.69	20	4.87	9.90
18968	2	NR	<5	<5	0.71	20	5.67	9.21
18969	3	NR	<5	<5	0.73	20	5.80	8.88
18970	3	NR	<5	<5	0.82	20	4.60	9.58
18971	7	NR	<5	5	0.58	20	5.14	9.23
18971 Rpt	5	NR	<5	5	0.59	30	5.21	9.36
18972	3	NR	<5	<5	8.03	30	5.75	5.21
18973	1	NR	<5	<5	7.35	20	4.08	6.56
18974	14	NR	10	5	6.12	30	5.16	6.45
18974 Rpt	13	NR	10	5	6.09	30	5.16	6.48



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Reference: u283441 Order Number: NC_008 Page 3 of 40

	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
18975	177	186	15	40	1.27	30	5.63	8.74
18976	46	37	5	20	1.44	20	5.08	8.79
18977	10	NR	<5	<5	4.85	30	6.38	6.40
18978	8	NR	<5	<5	7.70	30	7.12	4.32
18979	7	NR	<5	<5	5.13	10	4.49	7.83
Std Nominal	2.42M	2.42M			0.40	600	1.29	0.18
Determined	2.40M	NR	<5	<5	0.41	210	1.30	0.19
18980	NR	NR	NR	NR	1.68	7010	24.4	0.10
18981	7	NR	<5	<5	3.75	30	6.77	7.13
18982	9	NR	<5	<5	3.30	10	7.11	7.04
18983	13	NR	<5	<5	3.62	20	6.62	7.26
18985	5	NR	5	<5	0.22	80	10.1	2.85
18986	5	NR	<5	<5	0.09	30	2.69	4.13
18987	3	NR	<5	<5	0.05	10	1.14	1.45
18988	3	NR	<5	<5	0.04	10	1.48	3.83
18989	7	NR	<5	<5	0.14	40	1.90	10.7
18990	5	NR	<5	<5	0.14	50	3.06	9.19
18991	11	NR	<5	<5	0.13	50	2.42	10.2
18992	2	NR	<5	<5	0.17	20	1.08	4.89
18993	2	NR	<5	<5	0.09	10	0.92	2.52
18994	2	NR	<5	<5	0.13	20	1.23	3.62
18995	2	NR	<5	<5	0.07	10	0.69	1.72
18995 Rpt	3	NR	<5	<5	0.07	10	0.68	1.72
18996	3	NR	<5	<5	0.08	10	1.06	2.99
18997	5	NR	<5	<5	0.09	20	1.59	3.23
18998	4	NR	<5	<5	0.17	30	3.86	6.95
18999	11	NR	<5	<5	0.49	30	3.68	7.11
19000	NR	NR	NR	NR	0.06	20	8.82	0.18
19001	2	NR	<5	<5	2.84	30	3.43	6.72
Std Nominal	4.94M	4.94M			0.26		1.40	2.03
Determined	4.88M	NR	<5	<5	0.27	130	1.42	1.99
19002	2	NR	<5	<5	1.32	50	3.51	6.15
19003	2	NR	<5	<5	2.35	40	4.28	7.27
19004	2	NR	<5	<5	2.20	40	5.30	7.78
19005	1	NR	<5	<5	3.84	40	4.36	7.65
19006	2	NR	<5	<5	2.45	40	3.87	8.58
19007	2	NR	<5	<5	5.24	30	4.00	7.48
19007 Rpt	1	NR	<5	<5	5.30	30	3.96	7.36
19008	2	NR	<5	<5	6.33	30	5.54	6.47
19009	5	NR	<5	<5	4.75	30	4.96	6.56
19010	1	NR	<5	<5	3.71	30	4.51	6.73
19011	1	NR	<5	<5	3.72	40	4.98	6.77
19012	5	NR	<5	<5	3.17	40	5.72	7.37



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Reference: u283441 Order Number: NC_008 Page 4 of 40

	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
19013	2	NR	<5	<5	1.98	50	5.36	8.13
19014	2	NR	<5	<5	2.13	30	3.23	8.56
19015	2	NR	<5	<5	1.00	20	2.70	10.6
19015 Rpt	1	NR	<5	<5	1.00	20	2.72	10.6
19016	1	NR	<5	<5	1.93	20	3.88	9.42
19017	2	NR	<5	<5	2.66	20	3.95	9.09
19018	2	NR	<5	<5	2.72	20	6.19	7.70
19019	3	NR	<5	<5	4.18	20	9.32	6.23
19020	NR	NR	NR	NR	1.70	6800	24.9	0.12
19021	4	NR	<5	<5	2.94	50	10.9	5.59
19022	2	NR	<5	<5	1.59	20	12.7	5.26
19023	2	NR	<5	<5	1.63	20	11.5	5.07
19024	1	NR	<5	<5	1.58	20	9.91	5.80
19025	1	NR	<5	<5	2.89	20	9.14	5.89
Std Nominal	52	52	45	45	5.91	230	9.63	0.60
Determined	50	NR	50	50	5.94	180	9.61	0.61
19026	<1	NR	<5	<5	1.38	20	11.9	5.37
19027	1	NR	<5	<5	1.05	10	12.8	5.08
19028	1	NR	<5	<5	1.40	20	11.7	5.04
19029	1	NR	<5	<5	1.22	20	11.8	4.78
19030	1	NR	<5	<5	0.76	20	10.3	5.12
19031	1	NR	<5	<5	1.08	20	11.3	4.89
19031 Rpt	<1	NR	<5	<5	1.06	20	11.2	4.88
19032	6	NR	5	<5	1.99	20	10.4	4.67
19033	2	NR	<5	<5	1.77	20	11.5	5.32
19034	1	NR	<5	<5	1.36	20	10.3	5.25
19035	3	NR	<5	<5	0.89	20	13.0	4.33
19036	2	NR	<5	<5	0.66	20	14.7	3.64
19037	1	NR	<5	<5	0.68	30	13.6	4.30
19038	1	NR	<5	<5	0.87	20	12.1	4.30
19039	<1	NR	<5	5	0.91	10	12.7	3.78
19040	NR	NR	NR	NR	0.07	20	8.87	0.18
19040 Rpt	NR	NR	NR	NR	0.07	20	8.88	0.17
19041	<1	NR	<5	<5	0.69	20	14.0	3.94
19042	<1	NR	<5	<5	0.67	20	13.8	3.94
Std Nominal	1.37M	1.37M			2.48	170	8.65	2.35
Determined	1.35M	NR	<5	<5	2.45	130	8.47	2.34
19043	3	NR	5	<5	0.69	20	14.6	3.73
19044	<1	NR	5	<5	1.22	10	13.0	4.26
19044 Rpt	1	NR	<5	<5	1.21	10	13.0	4.27
19045	<1	NR	<5	<5	3.98	10	10.7	4.18
19046	1	NR	<5	<5	1.25	10	10.9	5.48
11002	15	16	5	5	0.72	40	2.07	7.53



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Reference: u283441 Order Number: NC_008 Page 5 of 40

	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
11003	16	19	<5	5	0.78	40	3.70	9.66
11004	4	NR	<5	<5	0.60	40	5.69	8.48
11005	4	NR	5	<5	0.65	40	7.97	6.75
11115	5	NR	<5	<5	0.66	30	4.65	8.84
11116	3	NR	<5	<5	0.65	40	2.37	10.7
11117	3	NR	<5	5	0.70	40	2.48	10.5
11118	2	NR	<5	<5	0.67	30	2.00	10.9
11487	<1	NR	<5	5	2.78	10	3.77	2.37
11488	<1	NR	<5	5	4.14	10	2.56	1.60
11489	6	NR	<5	5	5.32	20	4.33	5.26
11490	5	NR	5	<5	4.90	20	3.34	5.45
11495	1	NR	<5	<5	3.72	30	4.54	5.86
11496	1	NR	<5	<5	3.64	20	2.53	3.45
11496 Rpt	2	NR	<5	<5	3.65	20	2.52	3.45
11497	1	NR	<5	5	2.76	20	2.33	2.13
11498	1	NR	<5	<5	5.96	10	3.96	7.21
11499	2	NR	5	<5	4.82	10	5.06	7.61
11499 Rpt	1	NR	5	<5	4.77	10	5.04	7.59
11500	NR	NR	NR	NR	0.07	30	8.82	0.20
11501	1	NR	<5	<5	4.47	10	5.18	7.88
11502	<1	NR	<5	<5	3.10	10	9.59	5.29
11503	1	NR	<5	<5	2.71	10	10.4	5.07
11907	1	NR	<5	<5	1.05	20	4.64	9.50
Std Nominal	860	860	910	690	2.73	80	5.43	3.07
Determined	842	NR	910	680	2.78	50	5.47	3.05
11908	2	NR	<5	<5	1.01	20	4.33	9.71
11909	4	NR	<5	5	0.47	50	5.49	8.84
11910	2	NR	5	<5	0.30	40	4.18	9.63
11911	3	NR	5	<5	0.27	30	2.56	7.61
11912	<1	NR	5	5	0.29	30	2.12	6.01
11913	6	NR	5	5	11.9	10	4.19	4.17
11914	5	NR	<5	<5	13.9	10	3.92	3.09
12051	28	26	<5	<5	0.72	40	3.76	9.32
12052	24	25	<5	<5	0.64	50	4.58	8.80
12053	9	NR	<5	<5	0.63	30	3.10	10.7
12054	3	NR	<5	<5	0.78	30	2.98	10.1
12235	1	NR	<5	<5	0.25	20	2.51	5.13
12236	2	NR	5	<5	9.95	20	4.80	4.02
12237	<1	NR	<5	<5	10.5	20	5.45	3.42
12238	7	NR	<5	<5	5.74	30	7.39	5.33
12435	1	NR	<5	<5	0.77	20	6.04	8.82
12436	2	NR	<5	5	0.76	20	6.31	8.63
12436 Rpt	1	NR	5	<5	0.76	20	6.31	8.63



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Reference: u283441 Order Number: NC_008 Page 6 of 40

	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
12437	<1	NR	<5	<5	0.75	20	5.27	9.16
12438	<1	NR	<5	<5	0.75	10	3.31	9.98
12439	1	NR	<5	<5	0.76	20	3.33	10.2
Std Nominal	2.42M	2.42M			0.40	600	1.29	0.18
Determined	NR	NR	NR	NR	0.41	260	1.32	0.19
12440	NR	NR	NR	NR	1.69	6850	24.3	0.10
12441	1	NR	<5	<5	0.74	50	3.24	10.2
12442	<1	NR	<5	<5	0.26	40	4.66	8.95
12443	1	NR	<5	5	7.89	20	4.82	5.84
12547	2	NR	<5	<5	0.12	10	1.94	2.01
12548	1	NR	<5	5	0.08	10	1.48	1.89
12549	<1	NR	5	<5	0.62	30	3.52	6.29
12549 Rpt	1	NR	<5	<5	0.63	20	3.57	6.38
12550	4	NR	<5	<5	0.20	50	6.42	7.91
12685	2	NR	<5	<5	0.12	20	1.72	4.84
12686	7	NR	<5	<5	0.13	40	2.86	6.98
12687	<1	NR	<5	<5	0.10	20	1.91	5.26
12688	1	NR	<5	<5	0.10	10	1.42	3.32
13221	<1	NR	<5	5	0.09	10	1.47	3.20
13222	<1	NR	<5	5	0.06	10	0.81	1.45
13223	<1	NR	<5	5	0.06	<10	0.49	1.50
13224	<1	NR	<5	<5	0.12	20	1.70	2.91
13279	1	NR	<5	5	0.74	20	6.96	8.16
13280	NR	NR	NR	NR	0.07	20	8.89	0.20
13281	2	NR	<5	<5	0.73	20	5.51	8.98
13282	3	NR	<5	5	0.80	30	6.04	8.48
13283	2	NR	<5	<5	0.79	30	6.63	8.01
13284	<1	NR	<5	5	0.58	20	4.29	9.56
13285	3	NR	<5	<5	0.29	40	4.93	9.00
Std Nominal	4.94M	4.94M			0.26		1.40	2.03
Determined	4.85M	NR	<5	5	0.27	110	1.44	2.02
13286	4	NR	<5	<5	0.30	40	7.22	8.24
13287	3	NR	<5	<5	13.2	10	5.60	2.85
13287 Rpt	1	NR	<5	<5	13.7	<10	5.62	2.78
14168	1	NR	<5	5	0.24	40	4.88	6.92
14169	3	NR	<5	<5	0.22	50	4.10	8.95
14170	2	NR	<5	<5	0.22	50	3.96	8.87
14171	2	NR	<5	<5	0.19	50	4.54	8.14
14176	1	NR	5	<5	3.86	30	4.74	5.92
14176 Rpt	<1	NR	<5	<5	3.88	30	4.74	6.22
14177	<1	NR	<5	<5	3.21	30	5.63	6.97
14178	1	NR	<5	<5	1.14	50	5.98	8.13
14179	1	NR	<5	5	0.29	60	6.86	7.59



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: u283441 Order Number: NC_008 Page 7 of 40

	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
14202	4	NR	<5	<5	0.75	30	8.59	7.34
14203	4	NR	<5	<5	0.73	20	6.12	8.21
14204	1	NR	<5	5	0.76	30	6.54	8.49
14205	6	NR	<5	<5	0.69	30	6.50	7.68
14206	6	NR	<5	<5	0.73	20	7.21	7.91
14207	7	NR	<5	<5	0.66	20	8.81	6.66
14208	7	NR	<5	<5	0.67	20	9.23	6.11
14209	6	NR	<5	<5	0.73	20	11.6	5.56
14210	5	NR	<5	<5	0.72	10	7.47	7.78
14211	12	NR	<5	<5	0.88	30	8.91	6.61
14212	3	NR	<5	<5	0.73	20	8.71	6.88
Std Nominal	52	52	45	45	5.91	230	9.63	0.60
Determined	51	NR	50	45	6.08	160	9.72	0.60
14213	4	NR	<5	<5	0.81	20	9.10	7.21
14214	7	NR	<5	<5	0.81	20	9.80	6.64
14215	<1	NR	<5	<5	0.75	10	11.2	5.73
14215 Rpt	1	NR	<5	5	0.75	10	11.3	5.76
14216	4	NR	<5	<5	0.79	20	11.0	5.62
14217	7	NR	<5	5	0.77	10	4.12	9.82
14217 Rpt	9	NR	<5	5	0.78	10	4.11	9.83
14228	7	NR	<5	<5	2.64	10	3.96	8.25
14229	6	NR	5	5	0.87	20	6.10	8.08
14230	2	NR	<5	5	0.38	30	8.11	7.76
14231	3	NR	<5	5	0.70	30	6.94	8.35
14232	7	NR	<5	<5	0.79	30	6.71	8.32
14233	6	NR	<5	5	2.68	<10	3.79	9.41
14234	7	NR	<5	<5	1.64	20	6.10	8.26
14234 Rpt	5	NR	<5	<5	1.63	20	6.07	8.14
14235	7	NR	<5	<5	1.07	10	3.93	9.29
14359	<1	NR	<5	<5	0.34	30	4.95	6.71
14360	NR	NR	NR	NR	1.68	6840	25.0	0.12
14361	12	NR	<5	<5	0.70	80	3.79	5.51
14362	12	NR	<5	5	0.63	60	3.39	6.57
14363	1	NR	<5	<5	0.68	30	5.94	5.85
14407	1	NR	<5	5	2.20	10	9.05	5.24
Std Nominal	1.37M	1.37M			2.48	170	8.65	2.35
Determined	1.34M	NR	<5	<5	2.48	130	8.59	2.35
14408	4	NR	<5	<5	1.72	10	9.20	6.14
14409	<1	NR	<5	<5	1.62	20	10.8	5.10
14410	2	NR	<5	<5	2.73	10	9.69	2.57
14535	1	NR	<5	<5	3.52	30	6.46	6.34
14536	4	NR	<5	<5	7.72	30	6.29	4.75
14537	1	NR	<5	5	11.8	30	6.39	3.15



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: u283441 Order Number: NC_008 Page 8 of 40

	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
14538	3	NR	<5	<5	13.6	10	5.01	2.17
14539	3	NR	5	5	7.53	30	6.49	4.80
14540	NR	NR	NR	NR	0.06	50	8.83	0.19
14541	3	NR	<5	5	8.53	30	7.05	3.98
14542	3	NR	<5	5	8.25	30	6.34	4.43
14542 Rpt	4	NR	5	5	8.37	30	6.41	4.39
14543	1	NR	<5	5	5.50	<10	3.40	4.93
15105	1	NR	<5	<5	0.78	50	2.43	7.40
15106	3	NR	<5	<5	0.77	60	1.96	7.42
15107	3	NR	<5	5	0.89	20	2.17	11.2
15107 Rpt	4	NR	<5	5	0.89	20	2.18	11.2
15108	9	NR	<5	<5	0.45	70	9.72	7.30
15206	2	NR	5	<5	3.42	110	19.8	1.50
Std Nominal	860	860	910	690	2.73	80	5.43	3.07
Determined	873	NR	905	685	2.75	80	5.45	3.03
15207	4	NR	5	<5	0.14	80	14.7	4.11
15208	2	NR	<5	<5	0.92	50	9.00	4.59
15209	1	NR	<5	<5	0.77	40	4.82	6.42
15311	3	NR	<5	5	1.60	40	3.72	7.47
15312	1	NR	<5	<5	0.61	40	1.04	7.57
15313	<1	NR	<5	<5	0.87	30	1.20	11.8
15314	1	NR	<5	<5	0.86	30	1.01	11.9
15315	5	NR	<5	<5	0.81	40	1.25	11.7
15316	10	NR	<5	<5	0.77	50	2.06	8.27
15317	2	NR	<5	5	0.12	40	1.58	3.08
15318	1	NR	<5	<5	0.16	30	2.11	1.85
13622	1	NR	<5	5	0.12	130	24.8	0.86
13623	3	NR	<5	5	0.11	100	18.1	1.74
13623 Rpt	2	NR	<5	5	0.11	110	18.5	1.73
13624	3	NR	<5	<5	0.37	60	9.45	5.87
13625	1	NR	<5	5	0.51	40	3.61	9.31
13626	<1	NR	<5	<5	0.68	40	1.39	11.7
13627	2	NR	<5	<5	0.77	40	0.91	8.95
13628	7	NR	<5	<5	0.56	40	1.96	9.40
13629	3	NR	<5	<5	1.26	40	1.22	6.48
14087	4	NR	<5	<5	6.12	40	6.56	3.81
14088	11	NR	<5	5	4.04	60	6.40	5.47
14089	3	NR	<5	5	3.76	50	5.15	6.31
14090	1	NR	<5	<5	3.01	50	4.16	5.65
14090 Rpt	1	NR	<5	<5	3.00	40	4.18	6.42
14091	1	NR	<5	<5	5.24	50	4.66	6.57
14092	<1	NR	<5	<5	3.83	40	4.80	5.33
14093	2	NR	<5	<5	7.69	40	5.64	3.34



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: u283441 Order Number: NC_008 Page 9 of 40

	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
14094	3	NR	<5	5	6.46	50	5.09	4.67
Std Nominal	2.42M	2.42M			0.40	600	1.29	0.18
Determined	2.36M	NR	<5	5	0.40	570	1.32	0.19
15374	2	NR	<5	<5	0.72	30	8.63	7.24
15375	<1	NR	<5	5	0.76	20	8.05	6.40
15376	1	NR	<5	<5	0.79	20	8.28	5.29
15377	<1	NR	<5	<5	0.70	20	9.40	6.14
15383	5	NR	<5	5	0.58	30	5.54	7.46
15384	5	NR	5	5	0.67	50	8.02	5.80
15385	<1	NR	<5	5	15.4	10	4.10	2.66
15386	2	NR	<5	<5	12.1	10	4.59	3.93
15416	1	NR	<5	<5	0.38	130	18.3	1.82
15417	<1	NR	<5	<5	0.51	50	6.94	4.32
15418	2	NR	<5	<5	0.69	40	6.72	4.56
15418 Rpt	2	NR	<5	<5	0.68	40	6.72	6.09
15419	4	NR	<5	<5	0.81	30	6.45	7.25
15420	NR	NR	NR	NR	0.06	50	8.84	0.20
15421	5	NR	<5	<5	0.71	40	5.94	8.64
15422	2	NR	<5	<5	0.96	40	1.64	11.2
15422 Rpt	3	NR	<5	<5	0.98	30	1.67	11.6
15423	3	NR	<5	<5	0.55	30	2.36	5.16
15424	1	NR	<5	<5	0.24	80	7.62	7.40
15450	<1	NR	<5	<5	4.46	50	4.67	6.75
15451	3	NR	<5	<5	3.29	40	6.28	6.12
15452	4	NR	<5	<5	1.53	50	4.84	8.69
15453	4	NR	<5	5	4.77	50	4.02	6.30
15484	1	NR	<5	<5	0.71	20	8.95	7.52
Std Nominal	4.94M	4.94M			0.26		1.40	2.03
Determined	5.02M	NR	<5	<5	0.27	100	1.45	2.03
15485	6	NR	<5	<5	0.69	20	9.29	7.29
15486	4	NR	<5	<5	0.69	20	8.02	7.99
15487	4	NR	<5	<5	0.78	20	5.75	8.32
16334	5	NR	<5	<5	13.1	<10	4.62	2.83
16335	2	NR	<5	<5	14.3	10	4.15	2.65
16336	7	NR	<5	<5	6.04	30	7.06	5.46
16337	4	NR	<5	5	9.78	10	4.45	5.19
16439	6	NR	<5	<5	2.11	20	3.93	10.1
16440	NR	NR	NR	NR	1.69	6920	24.9	0.12
16441	7	NR	5	<5	1.13	60	7.24	8.00
16442	4	NR	<5	5	3.48	30	5.74	7.58
16443	2	NR	<5	<5	14.2	10	4.38	2.83
16443 Rpt	2	NR	5	5	14.1	10	4.26	2.74
Std Nominal	52	52	45	45	5.91	230	9.63	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
Facsimile (08) 9456 0403

Reference: u283441 Order Number: NC_008 Page 10 of 40

	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	52	52	45	50	5.82	160	9.41	0.61



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: u283441 Order Number: NC_008 Page 11 of 40

	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
18904	1.10	330	0.04	3850	50	290	1.5	267
18905	0.65	98	0.05	3350	50	100	<0.5	68
18906	0.22	98	0.06	3550	50	70	1.0	124
18907	0.72	66	0.09	700	50	55	0.5	48
18908	0.13	72	0.04	400	100	20	<0.5	29
18909	0.13	88	0.05	450	50	20	<0.5	43
18910	0.51	38	0.06	600	<50	35	0.5	142
18911	0.93	46	0.07	600	50	60	1.0	155
18912	0.82	44	0.06	550	50	50	0.5	83
18913	0.49	42	0.11	900	50	55	1.0	78
18914	0.48	84	0.12	950	50	40	1.5	89
Std Nominal	4.05	1070	2.15	1300	1.74%	155	0.5	13
Determined	4.02	1070	2.20	1250	1.71%	160	0.5	12
18915	0.23	206	0.07	500	150	35	<0.5	267
18916	0.18	250	0.06	300	100	30	<0.5	157
18917	0.82	1820	0.07	600	50	65	0.5	236
18918	1.77	80	0.09	750	50	105	1.5	314
18918 Rpt	1.73	76	0.09	700	<50	100	1.5	315
18919	1.47	164	0.09	850	<50	105	1.0	195
18920	2.12	86	0.01	200	8.43%	10	2.5	3140
18921	1.45	116	0.09	900	2800	100	1.0	152
18922	1.55	70	0.09	950	7100	100	1.0	95
18923	1.96	76	0.08	850	2800	95	0.5	31
18923 Rpt	1.97	78	0.08	850	2750	95	0.5	32
18924	2.31	86	0.08	850	2050	105	<0.5	14
18925	1.91	80	0.08	800	6850	105	1.0	81
18926	2.05	86	0.08	850	1.08%	120	1.0	48
18927	3.59	1490	0.08	700	1750	100	<0.5	7
18928	1.90	96	0.09	900	2850	110	0.5	31
18929	1.47	70	0.09	850	4000	125	1.0	60
18930	1.30	64	0.09	850	4500	115	0.5	63
18931	1.16	64	0.09	900	5350	125	1.0	99
18932	1.22	138	0.13	1150	200	130	1.5	162
18933	1.15	44	0.05	2850	100	210	3.0	148
18934	0.87	28	0.04	3100	50	170	<0.5	25
Std Nominal	1.71	1180	1.30	600	1.97%	120	6.0	100
Determined	1.69	1200	1.29	650	2.00%	125	6.0	101
18935	0.92	58	0.04	3000	100	150	0.5	59
18936	0.92	32	0.04	3250	100	145	<0.5	60
18937	1.19	48	0.04	2850	50	185	<0.5	51
18937 Rpt	1.20	46	0.04	2850	50	190	<0.5	51
18938	1.65	56	0.04	3000	<50	265	<0.5	34
18939	1.86	48	0.04	3050	<50	275	0.5	35



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: u283441 Order Number: NC_008 Page 12 of 40

	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
18940	1.21	1260	0.34	150	700	150	<0.5	17
18941	0.63	70	0.04	3500	50	100	<0.5	73
18942	0.65	36	0.04	3850	50	100	<0.5	99
18943	1.09	62	0.04	3250	50	150	<0.5	129
18943 Rpt	1.08	66	0.04	3200	50	150	<0.5	128
18944	0.88	44	0.04	3200	50	130	<0.5	149
18945	0.80	66	0.04	3150	50	105	0.5	137
18946	0.71	122	0.04	3200	50	120	0.5	123
18947	0.83	238	0.03	3450	150	105	<0.5	143
18948	3.06	824	0.03	2950	<50	285	<0.5	138
18949	3.50	798	0.02	2900	100	300	<0.5	88
18950	2.46	1550	0.03	2800	<50	240	<0.5	197
18951	2.09	206	0.03	2700	100	225	<0.5	161
18952	1.40	500	0.03	2550	100	155	<0.5	144
18953	2.21	256	0.03	3200	150	215	<0.5	188
18954	1.98	158	0.03	3050	100	225	<0.5	53
18955	2.55	564	0.03	2950	100	280	<0.5	41
18956	2.50	230	0.03	3050	950	280	<0.5	61
18957	2.43	100	0.03	3350	5550	335	1.0	54
18958	3.04	118	0.02	3150	3600	305	0.5	105
18959	3.00	178	0.03	3300	4900	285	1.0	105
Std Nominal	1.54	552	2.04	1000	6650	125	1.5	19
Determined	1.56	560	2.03	1050	6650	125	1.5	18
18960	2.10	90	0.01	250	8.38%	10	3.0	2890
18961	3.57	136	0.02	3550	4100	420	1.0	117
18962	3.73	134	0.02	3450	1850	385	<0.5	70
18963	3.45	306	0.02	2900	2650	280	0.5	133
18964	3.37	632	0.02	2700	2950	290	0.5	107
18964 Rpt	3.40	638	0.02	2750	3000	290	0.5	114
18965	1.90	84	0.02	3150	1000	205	<0.5	90
18966	1.50	54	0.03	3250	250	150	<0.5	38
18966 Rpt	1.48	54	0.03	3250	250	145	0.5	38
18967	1.73	104	0.03	3000	200	175	<0.5	46
18968	1.93	96	0.03	3100	150	190	<0.5	51
18969	1.95	64	0.03	3150	750	200	<0.5	32
18970	1.49	52	0.03	3550	150	170	<0.5	48
18971	1.83	86	0.06	2350	150	180	<0.5	57
18971 Rpt	1.86	90	0.06	2400	150	185	<0.5	60
18972	5.51	3750	0.09	900	1350	155	<0.5	11
18973	4.86	2350	0.11	1050	250	95	<0.5	6
18974	4.62	1880	0.10	1050	250	175	<0.5	28
18974 Rpt	4.64	1880	0.10	1000	250	175	<0.5	29
18975	2.19	1480	0.11	2100	200	195	<0.5	96



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: u283441 Order Number: NC_008 Page 13 of 40

	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
18976	2.02	1320	0.05	2750	150	195	<0.5	57
18977	4.29	1920	0.06	1000	1150	145	<0.5	15
18978	5.75	2930	0.05	850	800	155	<0.5	7
18979	3.37	1710	0.03	2450	100	190	<0.5	16
Std Nominal	0.33	232		1850				
Determined	0.32	238	0.04	1800	300	30	<0.5	6
18980	1.20	1260	0.33	150	750	150	<0.5	17
18981	3.77	1540	0.03	2650	100	230	<0.5	15
18982	4.00	1240	0.03	2850	150	260	<0.5	13
18983	3.71	1580	0.03	2750	200	245	<0.5	25
18985	0.30	3830	0.02	1350	100	345	<0.5	275
18986	0.18	986	0.03	700	50	105	<0.5	75
18987	0.07	256	0.03	200	100	25	<0.5	35
18988	0.22	236	0.06	350	100	40	<0.5	89
18989	0.98	116	0.10	750	50	105	<0.5	26
18990	1.00	400	0.08	750	50	150	<0.5	65
18991	1.06	70	0.10	900	100	115	0.5	256
18992	0.24	90	0.11	850	300	25	0.5	99
18993	0.42	62	0.05	450	100	15	<0.5	12
18994	0.77	60	0.06	600	50	30	<0.5	12
18995	0.19	84	0.05	300	100	10	<0.5	5
18995 Rpt	0.19	86	0.04	300	50	5	<0.5	5
18996	0.55	108	0.06	350	100	20	<0.5	11
18997	0.65	296	0.05	350	<50	25	<0.5	30
18998	1.88	314	0.07	550	50	80	<0.5	35
18999	1.79	1310	0.07	600	<50	75	<0.5	57
19000	2.15	88	<0.01	200	8.42%	10	3.0	3100
19001	2.81	1650	0.07	600	<50	70	<0.5	16
Std Nominal	3.42	620		550				
Determined	3.42	612	0.07	600	350	130	<0.5	17
19002	2.16	550	0.07	750	950	70	<0.5	5
19003	2.86	918	0.08	700	2650	80	<0.5	3
19004	3.01	2120	0.09	800	200	105	<0.5	10
19005	3.35	2310	0.08	700	100	90	<0.5	4
19006	2.69	994	0.09	700	100	105	<0.5	3
19007	3.86	1930	0.08	650	100	95	<0.5	2
19007 Rpt	3.84	1910	0.08	650	50	100	<0.5	1
19008	4.16	2400	0.07	600	250	80	<0.5	2
19009	3.22	1790	0.07	600	200	80	<0.5	3
19010	2.38	1460	0.07	550	50	75	<0.5	3
19011	2.78	1440	0.08	600	200	90	<0.5	3
19012	2.98	1300	0.08	750	1750	115	<0.5	61
19013	2.78	802	0.10	850	900	155	<0.5	10



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: u283441 Order Number: NC_008 Page 14 of 40

	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
19014	1.88	1390	0.10	2500	100	200	<0.5	39
19015	1.06	304	0.05	3000	50	175	<0.5	42
19015 Rpt	1.06	312	0.05	3050	<50	175	<0.5	40
19016	1.93	580	0.04	3000	50	210	<0.5	28
19017	2.35	746	0.04	2700	50	200	<0.5	26
19018	3.17	950	0.04	2600	50	230	<0.5	12
19019	4.36	1530	0.04	2350	<50	250	<0.5	5
19020	1.24	1270	0.34	100	750	155	<0.5	17
19021	4.65	970	0.03	2400	50	280	<0.5	1
19022	4.82	550	0.03	2600	150	370	<0.5	1
19023	5.18	564	0.02	2650	150	320	<0.5	10
19024	4.51	916	0.03	2650	50	310	<0.5	10
19025	4.58	1250	0.03	2500	450	285	<0.5	5
Std Nominal	4.05	1070	2.15	1300	1.74%	155	0.5	13
Determined	4.02	1100	2.18	1300	1.74%	155	0.5	13
19026	4.60	720	0.03	2750	400	305	<0.5	5
19027	4.86	392	0.03	2700	1500	315	<0.5	10
19028	4.62	670	0.03	2550	850	290	<0.5	7
19029	4.80	610	0.03	2550	1050	285	<0.5	6
19030	4.92	212	0.03	2650	400	315	<0.5	1
19031	5.21	436	0.03	2650	850	305	0.5	3
19031 Rpt	5.17	430	0.03	2700	800	305	1.0	2
19032	4.85	1240	0.03	2350	950	265	<0.5	4
19033	4.91	772	0.03	2600	2200	305	0.5	10
19034	4.38	640	0.03	2550	1650	285	0.5	4
19035	5.25	330	0.02	2700	1800	320	<0.5	6
19036	5.84	182	0.02	2850	950	335	<0.5	5
19037	5.53	162	0.03	2950	800	335	<0.5	7
19038	4.97	338	0.03	2650	900	285	<0.5	2
19039	5.38	304	0.02	2600	800	310	<0.5	3
19040	2.12	86	<0.01	200	8.26%	10	2.5	3080
19040 Rpt	2.11	86	<0.01	200	8.25%	10	3.0	3020
19041	5.67	162	0.02	2950	1150	330	<0.5	5
19042	5.51	158	0.02	2850	1550	325	<0.5	7
Std Nominal	1.71	1180	1.30	600	1.97%	120	6.0	100
Determined	1.71	1170	1.30	650	1.99%	115	6.0	104
19043	5.81	154	0.02	2950	1150	340	<0.5	6
19044	5.62	374	0.03	2850	1200	305	<0.5	9
19044 Rpt	5.62	372	0.02	2800	1150	310	<0.5	8
19045	6.32	1500	0.03	2400	950	260	<0.5	6
19046	4.91	450	0.02	2900	1000	310	<0.5	6
11002	0.37	268	0.05	3300	100	140	<0.5	26
11003	1.13	336	0.04	3350	100	275	<0.5	79



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: u283441 Order Number: NC_008 Page 15 of 40

	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
11004	2.46	42	0.04	2550	100	345	<0.5	21
11005	3.49	64	0.03	2700	50	295	<0.5	22
11115	1.91	50	0.04	3000	50	225	0.5	52
11116	0.80	34	0.05	3100	100	165	<0.5	45
11117	0.88	36	0.05	3100	100	165	0.5	69
11118	0.78	38	0.05	3050	100	190	0.5	54
11487	2.10	1320	0.04	350	100	35	<0.5	99
11488	2.50	2230	0.03	350	250	30	<0.5	101
11489	3.57	1990	0.06	400	400	60	<0.5	13
11490	3.38	2100	0.06	400	250	60	<0.5	3
11495	2.73	1580	0.07	600	300	80	<0.5	4
11496	2.26	1450	0.06	400	750	45	<0.5	7
11496 Rpt	2.28	1460	0.05	350	750	40	<0.5	7
11497	1.61	2660	0.04	300	1100	45	<0.5	138
11498	3.55	1910	0.04	3200	2000	240	<0.5	26
11499	3.32	2390	0.03	2250	2000	240	<0.5	97
11499 Rpt	3.30	2400	0.03	2250	2050	245	<0.5	105
11500	2.10	90	0.01	200	8.30%	10	3.0	3070
11501	2.87	2340	0.03	2200	3150	235	<0.5	112
11502	4.98	912	0.03	2450	1950	270	<0.5	11
11503	4.84	832	0.02	2350	1300	300	<0.5	4
11907	1.71	118	0.03	3100	1650	225	<0.5	8
Std Nominal	1.54	552	2.04	1000	6650	125	1.5	19
Determined	1.54	560	2.04	1050	6700	125	1.5	19
11908	1.74	108	0.04	3100	2100	230	<0.5	8
11909	2.32	92	0.13	1500	4600	220	<0.5	156
11910	1.62	70	0.15	1350	6000	145	0.5	145
11911	0.84	58	0.11	1300	1.20%	100	1.0	256
11912	0.83	88	0.11	750	5650	65	1.0	238
11913	7.12	3130	0.08	550	6700	105	0.5	55
11914	7.86	4230	0.06	350	2150	95	<0.5	15
12051	1.50	62	0.03	2450	150	210	1.0	267
12052	2.18	50	0.03	2650	150	210	0.5	162
12053	0.62	36	0.05	2850	100	190	0.5	227
12054	1.15	54	0.04	2950	100	205	0.5	100
12235	0.88	106	0.09	700	4050	50	0.5	25
12236	6.17	4500	0.08	500	1500	70	<0.5	7
12237	6.75	3770	0.05	300	1400	70	<0.5	4
12238	4.79	2570	0.07	750	3250	105	<0.5	64
12435	2.13	100	0.03	3150	50	300	0.5	46
12436	2.14	70	0.03	3150	2500	275	1.0	93
12436 Rpt	2.15	72	0.03	3200	2600	280	1.0	91
12437	1.83	52	0.03	3150	2150	235	1.0	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: u283441 Order Number: NC_008 Page 16 of 40

	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
12438	1.15	56	0.04	3100	1050	175	1.0	58
12439	1.26	46	0.04	3200	4350	200	1.5	91
Std Nominal	0.33	232		1850				
Determined	0.33	240	0.05	1800	300	30	<0.5	6
12440	1.19	1240	0.33	100	750	145	<0.5	16
12441	1.23	54	0.05	3100	2100	185	<0.5	31
12442	1.98	90	0.14	1150	5600	180	1.0	150
12443	5.07	2970	0.09	850	250	105	<0.5	33
12547	0.58	98	0.04	300	1100	35	<0.5	10
12548	0.25	94	0.04	250	4950	15	<0.5	56
12549	1.42	200	0.11	700	6100	50	1.0	59
12549 Rpt	1.44	202	0.11	700	6200	50	1.0	60
12550	2.40	132	0.10	600	6950	145	0.5	19
12685	0.79	72	0.06	500	150	55	<0.5	18
12686	1.37	66	0.07	550	100	95	<0.5	138
12687	0.94	122	0.06	450	100	65	0.5	67
12688	0.62	112	0.06	450	100	40	<0.5	90
13221	0.67	72	0.05	400	3300	35	<0.5	140
13222	0.16	76	0.04	250	400	10	<0.5	22
13223	0.11	36	0.04	250	150	5	<0.5	24
13224	0.79	74	0.05	500	100	25	<0.5	69
13279	2.40	66	0.02	3250	2950	275	1.0	52
13280	2.14	88	<0.01	250	8.35%	10	2.5	3000
13281	1.78	52	0.03	3100	8600	235	1.5	175
13282	2.27	66	0.03	3600	6200	305	1.5	154
13283	2.45	66	0.03	3500	4250	320	0.5	76
13284	1.53	46	0.05	2500	6350	165	0.5	125
13285	2.01	78	0.14	1350	8000	145	1.0	156
Std Nominal	3.42	620		550				
Determined	3.44	616	0.06	550	200	140	<0.5	16
13286	2.59	96	0.13	1350	1.14%	155	1.0	139
13287	7.75	5580	0.05	450	4800	70	<0.5	18
13287 Rpt	7.83	5560	0.05	450	4750	70	<0.5	19
14168	2.33	122	0.07	650	1600	80	<0.5	14
14169	2.05	106	0.08	800	2600	100	<0.5	19
14170	1.90	84	0.09	950	2950	105	<0.5	29
14171	2.09	80	0.08	800	2400	105	<0.5	19
14176	2.63	1540	0.07	600	250	70	<0.5	4
14176 Rpt	2.64	1530	0.07	550	300	75	<0.5	6
14177	2.80	1270	0.07	700	650	95	<0.5	10
14178	2.52	452	0.08	850	800	125	<0.5	5
14179	2.48	124	0.08	850	7100	130	0.5	6
14202	2.74	76	0.04	3050	350	310	2.0	232



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: u283441 Order Number: NC_008 Page 17 of 40

	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
14203	2.00	64	0.04	3000	4600	245	1.0	252
14204	2.15	68	0.04	3100	3300	230	0.5	177
14205	2.20	72	0.04	2850	3500	245	0.5	120
14206	2.46	74	0.04	3000	3800	255	0.5	174
14207	2.68	70	0.04	2800	9850	295	0.5	146
14208	2.93	144	0.04	2750	2850	340	0.5	130
14209	3.76	100	0.03	3100	4700	425	1.0	135
14210	2.42	66	0.03	3000	2300	265	<0.5	126
14211	3.21	92	0.04	3600	6700	355	1.5	577
14212	2.98	94	0.03	3050	2300	330	0.5	152
Std Nominal	4.05	1070	2.15	1300	1.74%	155	0.5	13
Determined	4.01	1090	2.16	1300	1.76%	160	0.5	13
14213	3.28	94	0.04	3450	4300	310	0.5	212
14214	3.76	106	0.03	3650	4900	325	1.0	396
14215	4.57	126	0.03	3350	3400	360	<0.5	89
14215 Rpt	4.60	128	0.03	3300	3350	360	<0.5	85
14216	4.61	106	0.03	3500	7350	330	1.0	375
14217	1.42	44	0.05	3000	5250	175	1.0	322
14217 Rpt	1.42	44	0.05	2900	5250	180	1.0	300
14228	1.43	66	0.05	9800	4950	170	0.5	31
14229	2.26	82	0.07	3500	1950	160	0.5	38
14230	3.36	90	0.07	1600	2900	200	<0.5	14
14231	2.72	78	0.06	2900	3200	235	<0.5	36
14232	2.69	112	0.06	2700	3400	195	0.5	118
14233	1.76	220	0.05	3050	2850	135	0.5	55
14234	2.63	200	0.07	4400	4900	225	1.0	157
14234 Rpt	2.64	198	0.07	4350	4800	225	1.0	156
14235	1.46	56	0.07	3750	4700	115	1.0	232
14359	0.70	1060	0.03	2000	150	175	<0.5	100
14360	1.21	1280	0.34	100	750	150	<0.5	18
14361	1.24	166	0.04	3000	100	195	<0.5	86
14362	1.54	38	0.04	2800	50	230	<0.5	25
14363	3.59	50	0.03	2900	100	240	<0.5	25
14407	4.47	788	0.03	2700	4500	275	<0.5	13
Std Nominal	1.71	1180	1.30	600	1.97%	120	6.0	100
Determined	1.73	1170	1.28	650	1.99%	115	6.0	96
14408	4.47	568	0.03	2700	3500	275	0.5	7
14409	5.05	578	0.03	2700	2750	290	1.0	13
14410	4.56	1280	0.02	2600	4200	290	<0.5	33
14535	3.42	1710	0.06	1800	4150	195	<0.5	16
14536	5.82	2240	0.09	800	3000	150	<0.5	12
14537	7.74	3310	0.06	500	3150	130	<0.5	23
14538	7.96	4130	0.07	450	2650	80	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 AustraliaTelephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: u283441 Order Number: NC_008 Page 18 of 40

	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
14539	5.70	2140	0.09	750	1.22%	125	2.0	25
14540	2.16	88	0.01	200	8.47%	10	3.0	2900
14541	6.30	3010	0.06	400	5350	95	0.5	6
14542	6.04	2820	0.06	850	1050	110	<0.5	5
14542 Rpt	6.07	2840	0.06	900	1050	110	<0.5	5
14543	3.21	1380	0.03	4100	1050	190	<0.5	2
15105	0.78	208	0.04	2850	100	240	<0.5	32
15106	0.57	426	0.04	3100	100	200	<0.5	35
15107	0.21	1410	0.05	4050	150	115	<0.5	144
15107 Rpt	0.20	1420	0.05	4000	150	110	<0.5	152
15108	0.28	2320	0.03	2200	200	300	<0.5	196
15206	2.28	2930	0.02	1150	300	555	<0.5	173
Std Nominal	1.54	552	2.04	1000	6650	125	1.5	19
Determined	1.55	560	2.03	1050	6700	130	1.5	19
15207	0.75	1260	0.03	1450	100	490	<0.5	138
15208	2.21	374	0.03	2350	200	285	<0.5	100
15209	1.32	152	0.03	2900	100	200	<0.5	174
15311	1.68	812	0.04	950	200	160	<0.5	60
15312	0.28	130	0.05	2500	50	70	<0.5	39
15313	0.31	214	0.05	3300	100	95	<0.5	58
15314	0.23	160	0.05	3700	100	75	<0.5	51
15315	0.30	122	0.05	3450	100	125	<0.5	45
15316	0.47	604	0.07	3600	50	75	0.5	226
15317	0.55	130	0.06	750	100	50	<0.5	66
15318	0.30	270	0.04	500	200	50	<0.5	41
13622	0.35	4310	0.02	900	100	720	<0.5	208
13623	0.32	3180	0.02	850	50	560	<0.5	175
13623 Rpt	0.33	3250	0.02	900	100	565	<0.5	165
13624	1.57	820	0.03	2350	100	365	<0.5	96
13625	0.93	1110	0.05	2250	50	175	<0.5	40
13626	0.31	770	0.05	3000	100	145	<0.5	23
13627	0.21	776	0.05	3400	50	130	<0.5	23
13628	0.21	1930	0.05	2550	100	115	<0.5	54
13629	0.16	842	0.05	5200	100	80	<0.5	22
14087	4.70	4160	0.05	750	850	90	<0.5	285
14088	3.82	2320	0.06	600	350	105	<0.5	206
14089	3.54	1640	0.06	500	2950	95	<0.5	89
14090	2.89	1380	0.06	500	850	80	<0.5	69
14090 Rpt	2.89	1350	0.06	500	800	85	<0.5	68
14091	4.01	2040	0.06	600	250	80	<0.5	102
14092	3.10	1440	0.06	600	300	75	<0.5	57
14093	5.06	2700	0.05	700	100	75	<0.5	65
14094	4.54	2250	0.06	800	200	80	<0.5	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: u283441 Order Number: NC_008 Page 19 of 40

	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
Std Nominal	0.33	232		1850				
Determined	0.34	236	0.04	1850	300	30	<0.5	6
15374	3.04	114	0.03	3000	3300	295	0.5	198
15375	2.86	100	0.03	3100	1900	300	<0.5	122
15376	2.90	104	0.03	3100	1900	280	0.5	250
15377	3.40	102	0.02	3050	2150	325	<0.5	206
15383	1.91	80	0.08	2350	7450	150	0.5	244
15384	2.98	210	0.13	1450	3350	170	<0.5	41
15385	8.36	4400	0.06	400	700	40	<0.5	5
15386	6.92	3440	0.07	500	300	45	<0.5	2
15416	0.43	898	<0.01	1100	100	615	<0.5	150
15417	1.17	228	0.04	2450	100	295	<0.5	69
15418	1.29	348	0.04	2600	100	265	<0.5	128
15418 Rpt	1.29	346	0.04	2650	100	265	<0.5	130
15419	1.79	636	0.04	2950	50	270	<0.5	206
15420	2.09	90	<0.01	250	8.29%	15	2.5	2990
15421	1.66	1230	0.04	2800	150	275	<0.5	203
15422	0.37	278	0.05	4100	100	100	<0.5	77
15422 Rpt	0.38	278	0.05	4250	100	105	<0.5	79
15423	0.91	370	0.09	850	200	50	<0.5	21
15424	0.89	668	0.10	1200	100	215	<0.5	70
15450	2.85	1740	0.07	600	50	80	<0.5	2
15451	2.74	1360	0.07	750	400	100	<0.5	2
15452	2.38	570	0.09	900	5400	125	1.0	32
15453	3.48	1900	0.12	1550	900	175	1.0	29
15484	3.21	108	0.03	2950	1600	325	0.5	70
Std Nominal	3.42	620		550				
Determined	3.41	618	0.06	550	250	130	<0.5	18
15485	3.16	94	0.02	3050	3150	275	1.0	183
15486	2.54	76	0.02	2900	9600	235	2.5	192
15487	1.74	64	0.03	3150	1.30%	170	1.0	283
16334	7.49	3830	0.06	350	2000	55	0.5	17
16335	8.06	4350	0.05	300	3200	45	<0.5	21
16336	5.02	2270	0.07	500	4150	110	0.5	47
16337	5.41	2900	0.05	3750	1000	115	<0.5	8
16439	2.12	678	0.04	3150	150	200	<0.5	13
16440	1.23	1280	0.34	100	750	155	<0.5	17
16441	3.07	302	0.12	1200	2700	200	<0.5	144
16442	3.81	916	0.12	900	2600	130	0.5	155
16443	8.37	3890	0.06	350	2400	80	<0.5	58
16443 Rpt	8.33	3850	0.06	350	2250	70	<0.5	55
Std Nominal	4.05	1070	2.15	1300	1.74%	155	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: u283441 Order Number: NC_008 Page 20 of 40

	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
Determined	4.04	1080	2.18	1300	1.74%	150	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: u283441 Order Number: NC_008 Page 21 of 40

	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
18904	873	2.2	<0.5	5120	1690	13.0	8.0	742
18905	1030	0.8	<0.5	915	648	6.5	2.0	270
18906	1090	1.6	<0.5	815	592	4.0	3.0	158
18907	704	0.6	<0.5	195	966	8.5	1.0	246
18908	266	0.2	<0.5	205	530	4.5	1.0	56
18909	285	0.2	<0.5	505	892	4.5	1.5	72
18910	339	0.3	<0.5	245	4120	8.5	2.0	312
18911	471	0.8	<0.5	320	2150	16.5	1.5	364
18912	441	0.7	<0.5	140	4110	13.0	1.0	316
18913	626	1.8	<0.5	1620	1030	8.5	1.5	698
18914	722	1.7	<0.5	2390	1050	7.0	1.0	1500
Std Nominal	239	<0.1	<0.5	155	316	7.5	2.0	6930
Determined	227	<0.1	<0.5	160	320	7.5	2.0	6980
18915	343	0.6	<0.5	1.31%	1960	5.0	6.5	730
18916	326	0.5	<0.5	6400	930	5.0	5.5	542
18917	919	1.1	<0.5	8580	1100	14.5	7.0	1090
18918	740	1.9	0.5	830	990	21.0	2.5	1190
18918 Rpt	749	1.8	<0.5	825	974	22.0	2.5	1140
18919	749	2.5	<0.5	4400	904	20.5	2.0	1740
18920	16	50.1	<0.5	2470	3.22%	9.5	10.0	120
18921	663	2.4	<0.5	2510	916	18.5	2.0	1050
18922	561	1.8	<0.5	2620	984	17.0	1.0	1520
18923	658	0.8	<0.5	960	186	17.0	0.5	530
18923 Rpt	637	0.8	<0.5	950	182	18.5	0.5	526
18924	614	0.6	<0.5	745	242	18.0	0.5	400
18925	605	1.9	<0.5	1860	68	16.0	1.0	908
18926	607	1.4	<0.5	1130	514	16.5	1.0	480
18927	513	0.3	<0.5	240	156	14.5	0.5	116
18928	631	0.8	<0.5	1080	146	15.5	1.0	424
18929	609	1.2	<0.5	1330	80	14.5	1.0	690
18930	524	1.0	<0.5	1500	390	16.0	1.0	956
18931	489	1.3	<0.5	1960	1270	15.5	1.0	1240
18932	609	1.7	<0.5	2780	940	15.0	2.5	1070
18933	653	1.6	<0.5	470	444	30.5	1.0	474
18934	817	<0.1	<0.5	185	124	16.0	0.5	414
Std Nominal	132	3.0	9.0	45	1500	9.5	67.0	74
Determined	132	3.0	9.0	50	1520	9.5	66.5	76
18935	736	0.1	<0.5	330	244	15.5	1.0	318
18936	650	0.1	<0.5	240	28	9.0	1.0	190
18937	669	<0.1	<0.5	180	34	9.0	0.5	132
18937 Rpt	670	<0.1	<0.5	180	32	8.5	0.5	134
18938	628	<0.1	<0.5	260	12	14.5	0.5	160
18939	614	<0.1	<0.5	265	20	18.5	0.5	176



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: u283441 Order Number: NC_008 Page 22 of 40

	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
18940	131	<0.1	<0.5	450	78	10.0	0.5	4930
18941	642	<0.1	<0.5	175	28	4.5	0.5	114
18942	683	<0.1	<0.5	175	114	3.5	1.0	124
18943	702	<0.1	<0.5	500	1830	6.0	1.0	1230
18943 Rpt	690	<0.1	<0.5	495	1860	6.0	1.0	1180
18944	626	0.2	<0.5	425	2550	5.0	1.0	960
18945	700	0.3	<0.5	475	3250	3.5	1.0	1290
18946	670	0.4	<0.5	575	3540	3.0	1.0	1690
18947	804	<0.1	<0.5	455	2830	5.0	1.0	1200
18948	713	<0.1	<0.5	300	530	24.0	1.5	292
18949	637	0.1	<0.5	135	128	26.5	1.0	122
18950	964	<0.1	<0.5	215	174	19.5	2.0	130
18951	654	0.7	<0.5	180	430	16.5	1.0	220
18952	691	0.2	<0.5	290	1180	11.0	1.5	538
18953	795	0.3	<0.5	230	566	16.5	1.0	260
18954	812	0.8	<0.5	105	58	19.5	0.5	98
18955	750	1.0	<0.5	135	26	26.0	<0.5	108
18956	753	0.7	<0.5	360	28	27.0	<0.5	254
18957	798	0.8	<0.5	700	40	29.5	<0.5	588
18958	628	1.1	0.5	845	48	33.0	1.0	532
18959	611	1.3	0.5	1010	54	32.5	2.5	650
Std Nominal	932	2.6		15	5310	30.5	319	38
Determined	963	2.7	<0.5	20	5230	30.5	326	40
18960	15	50.6	<0.5	2430	3.27%	10.5	9.5	116
18961	631	1.2	2.5	940	24	38.5	3.5	616
18962	582	0.7	<0.5	505	44	37.5	1.0	334
18963	563	1.0	0.5	760	46	33.5	1.0	456
18964	551	0.8	<0.5	585	38	28.5	0.5	400
18964 Rpt	586	0.8	<0.5	590	36	28.5	0.5	406
18965	757	0.4	<0.5	430	38	23.0	0.5	284
18966	666	0.4	<0.5	250	18	16.0	<0.5	182
18966 Rpt	672	0.4	<0.5	240	16	16.5	<0.5	184
18967	730	0.2	<0.5	290	20	17.0	0.5	190
18968	730	0.3	<0.5	305	14	19.5	<0.5	170
18969	725	0.2	<0.5	250	62	23.0	0.5	158
18970	757	0.3	<0.5	410	46	17.0	0.5	276
18971	831	0.4	<0.5	470	76	19.5	0.5	332
18971 Rpt	806	0.5	<0.5	480	78	19.5	0.5	340
18972	645	<0.1	<0.5	150	152	18.5	0.5	116
18973	946	<0.1	<0.5	90	20	11.0	1.0	74
18974	847	0.2	<0.5	435	474	13.5	0.5	230
18974 Rpt	844	0.2	<0.5	435	464	14.0	0.5	226
18975	1240	0.4	<0.5	795	1680	15.0	1.0	342



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: u283441 Order Number: NC_008 Page 23 of 40

	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
18976	878	0.2	<0.5	350	596	15.0	1.0	158
18977	599	0.2	<0.5	315	120	19.5	0.5	78
18978	525	0.1	<0.5	300	86	20.5	0.5	56
18979	926	0.1	<0.5	70	126	17.0	0.5	40
Std Nominal				1600	9990			
Determined	45	2.8	<0.5	1640	1.04%	16.5	3.5	56
18980	134	<0.1	<0.5	460	78	9.5	0.5	5020
18981	695	0.1	<0.5	110	142	18.5	0.5	82
18982	579	0.5	<0.5	110	144	19.5	<0.5	74
18983	655	0.4	<0.5	155	298	15.5	0.5	90
18985	661	1.2	<0.5	3050	1500	21.0	15.0	560
18986	732	0.8	<0.5	820	634	12.5	3.5	144
18987	277	0.1	<0.5	355	252	7.0	1.5	42
18988	498	0.5	<0.5	260	734	7.0	3.0	54
18989	918	1.1	<0.5	160	934	19.0	1.0	122
18990	718	0.8	<0.5	475	920	22.0	2.5	174
18991	765	9.0	<0.5	160	2240	18.5	4.5	216
18992	647	3.4	<0.5	635	1800	5.0	2.0	146
18993	241	0.4	<0.5	135	324	8.0	0.5	86
18994	323	0.4	<0.5	100	402	11.0	0.5	122
18995	203	<0.1	<0.5	65	148	3.0	0.5	52
18995 Rpt	198	0.1	<0.5	60	146	3.0	0.5	50
18996	301	0.2	<0.5	105	352	8.0	<0.5	134
18997	351	0.2	<0.5	160	520	10.0	0.5	218
18998	585	0.3	<0.5	105	104	25.5	<0.5	104
18999	682	1.0	<0.5	50	26	21.5	0.5	44
19000	15	49.8	<0.5	2440	3.26%	10.0	10.5	114
19001	532	0.3	<0.5	45	66	15.5	<0.5	38
Std Nominal				1.50%	4480			
Determined	158	3.5	<0.5	1.49%	4410	144	2.5	20
19002	482	0.2	<0.5	265	42	14.5	<0.5	38
19003	502	0.3	<0.5	840	16	16.0	<0.5	44
19004	645	<0.1	<0.5	80	18	19.0	<0.5	36
19005	562	<0.1	<0.5	25	4	14.5	<0.5	32
19006	559	<0.1	<0.5	20	4	17.0	<0.5	30
19007	467	<0.1	<0.5	20	<2	13.5	<0.5	24
19007 Rpt	463	<0.1	<0.5	15	<2	13.5	<0.5	26
19008	436	0.2	<0.5	20	10	11.5	<0.5	26
19009	423	0.3	<0.5	20	6	10.5	0.5	20
19010	401	0.3	<0.5	20	10	9.0	0.5	20
19011	428	0.3	<0.5	30	10	11.5	1.0	24
19012	501	0.6	<0.5	125	6	15.0	0.5	32
19013	645	0.3	<0.5	370	12	17.0	<0.5	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: u283441 Order Number: NC_008 Page 24 of 40

	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
19014	943	<0.1	<0.5	65	14	28.0	1.5	40
19015	815	0.2	<0.5	45	14	14.5	0.5	26
19015 Rpt	805	0.2	<0.5	40	10	14.5	0.5	24
19016	714	<0.1	<0.5	50	8	19.0	<0.5	34
19017	555	<0.1	<0.5	55	10	11.5	<0.5	38
19018	503	<0.1	<0.5	105	56	19.5	<0.5	52
19019	509	<0.1	<0.5	90	10	26.0	0.5	58
19020	135	<0.1	<0.5	440	76	9.5	0.5	4950
19021	472	<0.1	<0.5	65	6	31.0	<0.5	72
19022	365	<0.1	<0.5	65	162	37.0	0.5	74
19023	350	0.4	<0.5	80	2	36.5	<0.5	56
19024	444	0.4	<0.5	70	10	34.5	<0.5	38
19025	414	0.3	<0.5	75	14	31.0	<0.5	36
Std Nominal	239	<0.1	<0.5	155	316	7.5	2.0	6930
Determined	235	<0.1	<0.5	160	320	7.5	2.0	7010
19026	436	<0.1	<0.5	60	2	30.5	0.5	54
19027	418	<0.1	<0.5	80	<2	31.0	1.0	46
19028	389	<0.1	<0.5	60	2	30.0	0.5	28
19029	328	<0.1	<0.5	65	4	32.0	<0.5	38
19030	742	0.1	<0.5	55	4	32.5	<0.5	28
19031	409	0.1	<0.5	70	4	32.0	<0.5	36
19031 Rpt	402	0.1	<0.5	70	2	30.5	<0.5	36
19032	375	0.1	<0.5	105	4	25.5	<0.5	34
19033	472	<0.1	<0.5	195	4	34.5	<0.5	40
19034	390	<0.1	<0.5	265	4	34.0	<0.5	34
19035	333	<0.1	<0.5	255	16	31.0	<0.5	48
19036	425	0.1	<0.5	70	4	34.5	<0.5	66
19037	546	0.2	<0.5	65	20	37.5	<0.5	58
19038	338	<0.1	<0.5	50	12	32.0	0.5	38
19039	445	<0.1	<0.5	50	10	33.0	0.5	40
19040	15	50.2	<0.5	2450	3.17%	9.5	10.5	114
19040 Rpt	14	50.0	<0.5	2410	3.28%	9.5	10.5	116
19041	521	<0.1	<0.5	75	52	30.5	0.5	54
19042	634	<0.1	<0.5	65	194	36.0	1.0	52
Std Nominal	132	3.0	9.0	45	1500	9.5	67.0	74
Determined	133	3.0	9.0	50	1510	9.5	64.5	72
19043	552	0.2	<0.5	75	12	32.0	1.0	52
19044	373	<0.1	<0.5	70	12	37.0	3.0	48
19044 Rpt	377	<0.1	<0.5	70	10	35.0	3.0	50
19045	279	0.1	<0.5	55	8	29.0	2.0	42
19046	443	0.2	<0.5	60	6	30.5	7.0	50
11002	1120	0.3	<0.5	415	510	12.5	3.0	176
11003	1410	3.6	<0.5	805	838	23.0	4.0	562



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: u283441 Order Number: NC_008 Page 25 of 40

	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
11004	1110	1.3	<0.5	200	76	36.5	2.0	92
11005	1720	0.8	<0.5	170	276	30.5	2.0	82
11115	824	0.6	<0.5	1190	504	30.5	15.5	532
11116	1040	0.4	<0.5	440	372	10.0	9.5	170
11117	1010	0.5	<0.5	285	1120	8.5	5.5	196
11118	900	0.4	<0.5	85	580	11.0	2.0	114
11487	231	0.1	<0.5	765	38	6.5	3.0	136
11488	161	0.1	<0.5	2420	130	4.5	4.0	474
11489	402	0.3	<0.5	125	22	10.0	1.0	50
11490	460	0.1	<0.5	25	6	11.0	0.5	22
11495	391	0.3	<0.5	70	20	11.0	1.0	38
11496	271	0.4	<0.5	45	14	6.5	4.0	20
11496 Rpt	276	0.4	<0.5	40	14	6.5	4.0	18
11497	220	0.8	<0.5	3480	132	5.0	18.5	708
11498	380	0.1	<0.5	430	42	29.0	1.5	94
11499	1120	0.2	<0.5	2220	152	14.5	3.0	466
11499 Rpt	1130	0.2	<0.5	2290	148	14.5	3.0	472
11500	16	50.1	<0.5	2420	3.17%	10.0	10.5	114
11501	845	0.2	<0.5	2090	192	12.5	3.5	448
11502	350	0.3	<0.5	150	132	25.5	0.5	56
11503	321	0.3	<0.5	95	32	26.5	0.5	38
11907	721	<0.1	1.5	70	112	17.5	1.0	54
Std Nominal	932	2.6		15	5310	30.5	319	38
Determined	909	2.6	<0.5	20	5290	28.5	324	40
11908	716	<0.1	<0.5	65	32	17.0	3.5	54
11909	901	0.3	<0.5	780	966	24.0	3.0	388
11910	1030	0.3	<0.5	1320	2520	14.5	3.0	658
11911	754	0.5	<0.5	2970	5180	10.0	4.5	1580
11912	654	0.5	<0.5	2200	872	8.5	4.5	1080
11913	449	0.5	1.5	1840	688	7.0	3.0	902
11914	337	0.1	0.5	500	364	6.5	1.5	232
12051	799	0.8	<0.5	345	1460	33.0	5.0	326
12052	754	0.6	<0.5	685	1960	30.0	4.0	532
12053	1010	0.2	<0.5	1490	1030	8.5	11.0	634
12054	1040	0.5	<0.5	590	1630	9.0	3.5	380
12235	594	0.3	<0.5	1220	866	8.5	2.5	718
12236	540	<0.1	<0.5	260	68	8.5	1.0	162
12237	314	0.1	<0.5	200	34	12.5	1.0	56
12238	678	0.2	<0.5	660	20	16.0	1.5	64
12435	743	0.8	<0.5	320	34	19.5	<0.5	164
12436	674	0.5	2.0	850	148	19.0	1.5	448
12436 Rpt	677	0.6	1.5	840	144	19.5	1.5	440
12437	766	1.5	0.5	530	286	18.0	1.0	292



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: u283441 Order Number: NC_008 Page 26 of 40

	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
12438	880	1.9	<0.5	445	428	13.5	1.0	220
12439	785	2.0	<0.5	530	874	13.5	2.0	346
Std Nominal				1600	9990			
Determined	43	2.5	<0.5	1680	1.02%	15.0	3.0	68
12440	131	<0.1	<0.5	440	78	10.0	0.5	4930
12441	934	0.8	0.5	350	512	11.5	1.5	230
12442	866	0.5	<0.5	3040	986	19.0	2.5	1570
12443	877	0.2	<0.5	510	332	9.0	1.0	322
12547	210	<0.1	<0.5	205	1480	6.0	2.0	150
12548	212	0.2	0.5	1370	2030	4.0	2.0	810
12549	710	0.5	<0.5	1650	548	10.0	2.0	832
12549 Rpt	738	0.5	0.5	1660	552	10.0	2.0	838
12550	704	0.4	<0.5	1770	280	20.0	1.5	258
12685	367	0.3	<0.5	70	636	11.5	1.0	112
12686	481	0.8	<0.5	185	1030	19.5	1.5	224
12687	376	1.2	<0.5	220	1300	13.5	1.5	178
12688	309	1.1	<0.5	1590	1250	9.0	2.5	246
13221	272	1.1	<0.5	1260	398	9.0	2.5	808
13222	165	0.3	<0.5	160	66	4.0	1.5	120
13223	182	0.2	<0.5	70	66	3.0	1.5	66
13224	294	0.7	<0.5	1160	400	10.5	2.0	344
13279	726	3.5	<0.5	415	28	24.0	3.0	262
13280	16	50.3	<0.5	2420	3.29%	9.5	10.0	114
13281	776	3.7	1.5	860	144	18.0	4.0	522
13282	657	3.8	1.5	1000	74	24.0	7.5	618
13283	601	1.8	<0.5	570	54	25.5	3.0	384
13284	835	0.8	1.0	945	202	16.0	2.0	570
13285	938	0.7	0.5	3230	1420	17.0	2.5	1820
Std Nominal				1.50%	4480			
Determined	162	3.5	<0.5	1.51%	4500	129	2.5	26
13286	891	0.5	<0.5	1000	66	13.5	1.0	416
13287	303	0.2	<0.5	510	138	6.5	0.5	138
13287 Rpt	318	0.2	<0.5	505	140	6.5	1.0	134
14168	655	0.4	<0.5	575	342	19.5	0.5	456
14169	720	0.8	<0.5	1420	854	18.0	1.0	682
14170	720	1.0	<0.5	290	40	17.0	0.5	186
14171	645	0.6	<0.5	245	24	17.0	0.5	164
14176	402	0.4	<0.5	60	10	8.5	1.0	36
14176 Rpt	397	0.4	<0.5	55	12	8.5	0.5	36
14177	457	0.4	<0.5	95	46	10.5	1.0	60
14178	561	0.4	<0.5	155	12	15.0	<0.5	68
14179	557	0.6	<0.5	2200	14	17.5	0.5	108
14202	590	2.5	1.0	830	212	28.5	1.0	790



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: u283441 Order Number: NC_008 Page 27 of 40

	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
14203	690	2.6	2.0	1250	316	23.0	2.5	738
14204	694	2.0	0.5	755	138	25.0	1.5	494
14205	650	2.4	1.0	700	130	27.5	2.0	408
14206	725	3.0	<0.5	655	48	27.0	1.5	370
14207	551	3.4	1.0	760	182	32.0	2.5	438
14208	489	3.0	1.0	590	164	34.0	2.0	338
14209	431	1.6	1.0	565	166	38.5	2.5	308
14210	632	1.3	<0.5	440	70	25.5	2.0	272
14211	529	6.1	0.5	2110	78	31.0	2.5	1030
14212	572	2.0	2.0	620	34	28.5	1.0	380
Std Nominal	239	<0.1	<0.5	155	316	7.5	2.0	6930
Determined	242	<0.1	<0.5	150	318	7.0	2.0	6980
14213	539	2.1	1.5	1190	150	30.5	1.5	676
14214	526	3.1	0.5	1760	154	33.5	3.0	926
14215	467	0.5	<0.5	1260	112	41.5	1.0	756
14215 Rpt	461	0.4	<0.5	1260	116	41.0	1.0	754
14216	401	1.9	0.5	1610	84	41.0	1.0	924
14217	672	2.4	3.5	1030	158	16.5	1.0	596
14217 Rpt	676	2.3	3.5	1050	160	16.5	1.0	600
14228	1150	0.5	<0.5	650	300	22.0	1.0	406
14229	689	0.5	<0.5	500	74	23.5	1.0	306
14230	566	0.2	<0.5	375	28	29.5	1.0	310
14231	553	0.3	<0.5	575	86	26.5	1.0	364
14232	573	0.5	<0.5	640	96	24.5	2.5	392
14233	625	0.4	0.5	430	72	15.0	1.5	250
14234	685	0.7	0.5	680	92	21.5	2.5	392
14234 Rpt	684	0.7	0.5	670	94	23.0	2.5	382
14235	857	0.7	<0.5	585	2240	15.0	3.5	296
14359	884	0.8	<0.5	1030	1570	21.5	6.0	796
14360	140	<0.1	<0.5	450	80	10.0	1.0	4990
14361	806	1.1	<0.5	770	2020	33.5	5.5	568
14362	664	0.5	<0.5	220	1230	46.5	1.0	282
14363	590	0.3	<0.5	675	3130	54.5	0.5	966
14407	451	0.2	<0.5	875	40	34.5	<0.5	76
Std Nominal	132	3.0	9.0	45	1500	9.5	67.0	74
Determined	134	3.0	9.0	50	1530	9.5	65.0	72
14408	452	0.2	<0.5	1040	16	36.0	1.0	64
14409	394	0.1	<0.5	400	4	40.0	0.5	66
14410	324	0.5	<0.5	150	4	29.5	<0.5	60
14535	606	0.3	<0.5	445	448	20.0	1.0	226
14536	475	0.2	<0.5	350	648	11.5	1.0	178
14537	298	0.2	<0.5	565	376	10.5	0.5	178
14538	336	0.2	<0.5	510	118	6.5	<0.5	182



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: u283441 Order Number: NC_008 Page 28 of 40

	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
14539	495	0.6	<0.5	2950	112	12.5	1.0	702
14540	16	50.7	<0.5	2410	3.16%	9.0	10.5	114
14541	346	0.3	<0.5	1170	52	14.0	1.0	84
14542	394	<0.1	<0.5	85	32	16.0	0.5	46
14542 Rpt	404	0.1	<0.5	80	30	16.5	0.5	48
14543	589	<0.1	<0.5	35	82	13.5	0.5	24
15105	741	0.6	<0.5	560	534	15.5	3.0	368
15106	844	0.4	<0.5	950	828	10.5	3.5	636
15107	841	0.4	<0.5	2830	2230	3.5	5.5	484
15107 Rpt	845	0.4	<0.5	2790	2240	3.5	5.5	478
15108	734	0.6	<0.5	1590	1860	13.0	8.0	330
15206	227	0.6	<0.5	485	600	13.0	10.0	176
Std Nominal	932	2.6		15	5310	30.5	319	38
Determined	906	2.7	<0.5	20	5340	28.0	322	40
15207	472	0.6	<0.5	530	1350	24.0	6.0	156
15208	682	0.2	0.5	1310	1180	15.0	8.0	468
15209	876	0.3	0.5	755	994	9.0	7.5	562
15311	1150	0.2	<0.5	755	1230	7.0	10.5	1680
15312	1140	0.2	<0.5	325	304	2.0	11.0	334
15313	1240	0.2	<0.5	895	556	2.0	11.0	314
15314	1010	0.3	<0.5	875	1010	2.0	6.5	288
15315	883	0.6	<0.5	450	880	3.0	2.5	112
15316	1010	1.2	<0.5	2600	2170	4.0	7.5	284
15317	424	0.3	<0.5	260	1870	5.5	1.5	204
15318	270	0.2	<0.5	155	792	4.0	6.0	138
13622	200	0.6	<0.5	1280	740	26.0	15.5	266
13623	352	0.6	<0.5	880	714	21.5	13.0	208
13623 Rpt	353	0.6	<0.5	900	726	22.0	13.0	212
13624	1480	0.7	<0.5	570	1340	12.5	6.0	626
13625	1150	0.5	<0.5	665	1440	6.5	4.0	1130
13626	1420	0.5	<0.5	435	684	5.0	2.5	570
13627	1440	0.7	<0.5	470	444	2.5	2.5	336
13628	1230	1.6	<0.5	1730	958	3.5	4.0	428
13629	854	1.6	<0.5	710	600	2.0	2.0	320
14087	489	0.2	0.5	2660	832	11.0	12.5	1460
14088	557	0.2	<0.5	1490	408	12.5	7.5	828
14089	573	0.3	<0.5	1490	162	13.0	3.5	376
14090	525	0.2	<0.5	700	144	11.0	3.0	318
14090 Rpt	556	0.2	<0.5	680	150	11.0	3.0	304
14091	551	0.1	<0.5	770	184	11.0	4.5	394
14092	484	0.1	<0.5	435	114	9.5	2.5	242
14093	435	<0.1	<0.5	525	140	10.5	2.5	290
14094	491	<0.1	<0.5	420	108	11.0	2.5	224



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: u283441 Order Number: NC_008 Page 29 of 40

	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
Std Nominal				1600	9990			
Determined	43	2.6	<0.5	1650	1.06%	10.5	3.0	60
15374	536	1.1	<0.5	535	38	21.0	2.5	244
15375	586	1.2	<0.5	380	56	19.5	4.5	226
15376	550	1.3	<0.5	620	64	19.5	7.5	284
15377	546	1.2	<0.5	495	48	23.5	2.0	256
15383	843	1.1	1.5	1730	514	15.0	3.5	932
15384	750	0.5	<0.5	750	342	18.0	1.5	380
15385	294	<0.1	<0.5	105	68	4.5	<0.5	56
15386	452	<0.1	<0.5	60	14	6.5	<0.5	50
15416	339	0.5	<0.5	255	506	8.5	12.0	164
15417	1180	1.1	<0.5	165	100	11.0	7.0	106
15418	1010	0.6	<0.5	390	68	11.0	9.0	230
15418 Rpt	959	0.6	<0.5	390	66	12.0	9.5	228
15419	966	1.0	0.5	900	926	14.0	9.0	1150
15420	21	50.0	<0.5	2410	3.29%	6.5	10.5	118
15421	1010	0.8	0.5	3990	5660	16.5	8.0	3430
15422	1070	0.7	<0.5	430	1400	8.5	2.5	328
15422 Rpt	1110	0.8	<0.5	440	1450	8.5	2.5	330
15423	717	0.1	<0.5	455	1460	8.0	1.5	816
15424	865	0.3	<0.5	365	574	15.0	4.0	264
15450	461	0.3	<0.5	35	34	11.0	1.0	42
15451	498	0.6	<0.5	60	14	14.0	1.0	40
15452	602	1.6	<0.5	1800	40	17.5	0.5	388
15453	776	1.0	<0.5	650	88	13.0	1.0	406
15484	606	0.7	<0.5	295	24	31.5	1.0	178
Std Nominal				1.50%	4480			
Determined	164	3.6	<0.5	1.47%	4470	188	2.5	26
15485	581	1.5	<0.5	765	76	33.0	1.5	322
15486	641	2.1	3.5	1750	300	30.0	2.5	1180
15487	621	1.7	2.0	1540	76	22.5	7.5	642
16334	350	0.2	<0.5	615	44	8.0	0.5	296
16335	314	0.3	<0.5	1010	26	7.0	4.0	544
16336	483	0.5	<0.5	790	8	20.5	1.0	238
16337	495	0.1	<0.5	70	150	11.5	1.0	46
16439	891	0.2	<0.5	50	28	15.0	<0.5	44
16440	141	<0.1	<0.5	445	76	10.0	0.5	5030
16441	860	0.2	<0.5	255	20	22.0	1.0	148
16442	838	0.3	<0.5	860	132	18.5	1.5	446
16443	331	0.2	0.5	695	290	8.0	0.5	364
16443 Rpt	321	0.2	0.5	685	286	8.0	0.5	362
Std Nominal	239	<0.1	<0.5	155	316	7.5	2.0	6930



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: u283441 Order Number: NC_008 Page 30 of 40

	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
Determined	250	<0.1	<0.5	155	320	7.5	2.0	6930



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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: u283441 Order Number: NC_008 Page 31 of 40

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
18904	25	86	8.1	12.7
18905	11	50	6.2	11.5
18906	21	38	9.1	14.1
18907	15	50	4.6	15.7
18908	7	12	2.2	7.3
18909	8	14	2.0	7.5
18910	11	46	3.2	12.9
18911	20	72	3.6	18.4
18912	25	42	3.5	17.6
18913	24	46	4.4	19.6
18914	28	82	4.5	26.0
Std Nominal	3	104	0.7	2.8
Determined	3	106	0.7	2.9
18915	44	54	3.5	9.2
18916	16	38	3.1	7.4
18917	22	114	3.7	15.8
18918	37	150	4.1	24.6
18918 Rpt	36	148	4.0	24.3
18919	52	140	4.8	26.4
18920	428	38	1.5	3.1
18921	46	80	3.8	25.2
18922	35	56	3.3	24.2
18923	14	56	3.3	23.6
18923 Rpt	13	56	3.3	24.0
18924	14	62	3.2	24.3
18925	37	94	3.8	25.3
18926	27	66	3.9	24.5
18927	9	76	3.8	21.1
18928	17	52	4.3	24.2
18929	24	52	4.3	23.7
18930	97	56	4.1	22.4
18931	57	60	4.5	23.0
18932	88	110	7.7	19.7
18933	21	78	8.5	12.3
18934	5	74	5.5	11.2
Std Nominal	521	5200	0.8	2.7
Determined	519	5290	0.8	2.8
18935	6	66	7.1	10.8
18936	5	30	5.9	11.4
18937	4	30	6.2	12.3
18937 Rpt	4	30	6.0	11.9
18938	4	40	5.0	12.8
18939	3	50	5.4	13.1



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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: u283441 Order Number: NC_008 Page 32 of 40

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
18940	8	96	0.9	2.8
18941	9	40	5.4	13.5
18942	8	46	4.9	13.4
18943	8	170	3.2	11.8
18943 Rpt	8	168	3.4	12.4
18944	13	134	3.2	13.0
18945	10	146	3.0	12.5
18946	8	160	3.8	13.8
18947	5	146	3.7	14.0
18948	4	100	3.8	13.6
18949	4	74	2.6	13.0
18950	5	68	2.9	11.8
18951	8	76	4.0	11.7
18952	8	98	3.4	10.4
18953	8	84	4.6	13.3
18954	9	40	5.0	13.3
18955	14	88	4.4	12.8
18956	14	90	6.1	13.7
18957	17	84	7.1	16.3
18958	53	178	7.3	14.1
18959	40	118	7.7	14.3
Std Nominal	24	92	4.2	15.6
Determined	25	94	4.3	16.1
18960	453	38	1.6	3.3
18961	23	540	9.2	16.4
18962	43	92	7.6	14.8
18963	93	162	5.6	13.1
18964	25	110	4.5	12.1
18964 Rpt	24	112	4.6	12.3
18965	63	98	5.2	13.5
18966	82	112	5.1	13.4
18966 Rpt	83	112	5.3	14.0
18967	33	68	4.6	13.0
18968	14	50	7.7	13.9
18969	27	76	11.8	14.9
18970	97	158	5.7	14.3
18971	66	196	8.0	18.0
18971 Rpt	68	194	7.7	17.8
18972	21	60	6.1	18.4
18973	14	30	5.9	18.6
18974	17	44	7.6	22.2
18974 Rpt	16	42	7.3	20.9
18975	24	60	8.5	25.0



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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: u283441 Order Number: NC_008 Page 33 of 40

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
18976	10	42	5.5	14.7
18977	9	52	4.2	17.0
18978	8	42	5.9	16.1
18979	7	28	7.0	11.6
Std Nominal				
Determined	12	70	63.9	2.1
18980	9	100	0.9	2.9
18981	11	40	4.8	12.4
18982	19	52	4.0	12.8
18983	21	58	4.0	12.9
18985	23	24	7.9	15.1
18986	13	14	7.5	12.9
18987	5	10	1.8	5.2
18988	11	14	3.2	11.9
18989	15	36	6.2	33.4
18990	20	52	5.7	26.6
18991	45	58	7.4	31.1
18992	22	52	3.5	16.5
18993	5	18	1.7	8.8
18994	7	20	2.6	16.5
18995	5	8	0.9	4.3
18995 Rpt	5	6	0.9	4.3
18996	8	10	2.4	9.5
18997	8	22	1.8	9.6
18998	10	44	2.9	20.0
18999	10	40	2.8	20.1
19000	443	38	1.5	3.2
19001	7	40	2.5	19.4
Std Nominal				
Determined	14	108	10.0	10.9
19002	8	28	2.6	18.3
19003	7	40	3.0	19.5
19004	7	40	3.3	21.5
19005	7	38	3.8	20.0
19006	7	40	3.7	22.7
19007	7	40	3.0	19.2
19007 Rpt	5	42	3.0	19.2
19008	9	40	3.1	17.3
19009	10	40	3.4	16.9
19010	11	36	3.3	15.7
19011	10	30	3.9	17.4
19012	11	38	5.0	20.0
19013	9	42	6.4	22.4



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58 Sorbonne Crescent Canning Vale
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Telephone (08) 9456 0404
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Reference: u283441 Order Number: NC_008 Page 34 of 40

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
19014	14	22	10.6	15.1
19015	4	18	4.8	11.9
19015 Rpt	4	18	4.9	12.3
19016	3	18	4.9	11.0
19017	3	20	5.8	11.1
19018	3	38	4.3	10.5
19019	4	42	4.4	9.7
19020	8	98	0.9	2.7
19021	5	52	5.2	10.5
19022	4	60	7.6	11.1
19023	5	56	6.3	11.5
19024	5	48	6.8	11.3
19025	4	50	4.4	10.6
Std Nominal	3	104	0.7	2.8
Determined	4	106	0.7	2.7
19026	3	76	2.6	11.2
19027	3	86	2.4	11.2
19028	3	96	2.2	10.5
19029	3	110	2.1	10.6
19030	4	128	2.8	11.4
19031	5	130	3.2	11.5
19031 Rpt	5	134	3.2	11.0
19032	5	80	3.1	9.8
19033	7	72	3.1	10.8
19034	5	80	3.1	10.7
19035	7	110	2.9	11.5
19036	8	134	3.1	11.8
19037	7	124	3.4	12.7
19038	5	124	3.1	11.2
19039	7	142	3.5	11.3
19040	434	36	1.5	3.0
19040 Rpt	439	38	1.5	3.1
19041	5	174	3.9	12.5
19042	5	180	3.7	12.3
Std Nominal	521	5200	0.8	2.7
Determined	516	5280	0.8	2.8
19043	8	168	3.6	12.7
19044	7	124	3.5	12.3
19044 Rpt	7	126	3.5	12.5
19045	7	92	3.3	10.1
19046	8	84	4.6	12.6
11002	13	44	10.7	12.8
11003	28	74	10.4	10.6



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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: u283441 Order Number: NC_008 Page 35 of 40

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
11004	20	54	6.6	10.8
11005	14	74	5.0	10.6
11115	16	80	4.8	11.7
11116	12	30	5.8	12.1
11117	15	54	5.2	12.1
11118	11	28	3.5	11.9
11487	7	32	1.8	8.2
11488	11	72	1.4	6.0
11489	8	38	2.8	13.5
11490	5	36	2.6	14.7
11495	10	42	4.2	16.0
11496	5	20	3.2	9.1
11496 Rpt	5	22	3.2	9.2
11497	13	112	6.6	6.1
11498	9	28	13.9	10.7
11499	11	76	5.5	11.5
11499 Rpt	11	74	5.5	11.2
11500	425	38	1.4	3.2
11501	10	72	5.1	11.2
11502	8	62	4.0	10.5
11503	9	64	3.4	10.7
11907	5	304	5.3	12.2
Std Nominal	24	92	4.2	15.6
Determined	23	94	4.1	15.2
11908	4	28	3.7	12.7
11909	21	72	8.2	27.2
11910	26	44	9.1	27.4
11911	33	42	8.2	21.2
11912	54	106	7.0	16.7
11913	228	410	4.0	12.6
11914	56	168	3.2	10.5
12051	32	38	6.8	11.1
12052	20	68	4.0	10.3
12053	17	72	4.5	10.5
12054	13	56	4.2	11.7
12235	59	64	5.1	14.8
12236	27	44	4.5	13.8
12237	11	44	3.1	11.9
12238	10	46	6.2	19.1
12435	20	78	3.2	13.7
12436	19	112	3.5	14.1
12436 Rpt	18	114	3.5	13.8
12437	15	106	3.3	13.7



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Reference: u283441 Order Number: NC_008 Page 36 of 40

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
12438	15	68	3.3	12.7
12439	15	68	4.3	13.7
Std Nominal				
Determined	10	68	57.7	1.8
12440	8	96	0.9	2.8
12441	23	54	8.3	14.3
12442	32	134	10.1	29.0
12443	44	88	5.1	17.7
12547	5	24	1.5	5.9
12548	26	132	1.8	5.2
12549	50	150	6.1	20.2
12549 Rpt	48	154	6.1	20.0
12550	72	90	6.1	25.2
12685	8	20	3.1	15.4
12686	13	50	4.1	21.1
12687	12	60	3.4	15.8
12688	10	32	2.9	11.0
13221	17	94	2.1	10.9
13222	7	20	1.0	4.6
13223	7	20	0.8	4.1
13224	11	46	2.4	13.9
13279	26	80	3.8	14.0
13280	435	40	1.5	3.1
13281	34	388	3.4	12.6
13282	50	158	3.5	13.7
13283	23	60	5.9	13.2
13284	26	188	4.9	14.8
13285	88	98	7.3	27.8
Std Nominal				
Determined	13	108	10.2	11.1
13286	70	80	9.9	29.6
13287	46	140	3.5	11.0
13287 Rpt	43	136	3.5	11.5
14168	11	60	3.2	22.0
14169	19	48	3.7	25.9
14170	10	40	3.2	24.2
14171	9	42	3.1	22.8
14176	11	32	3.1	16.6
14176 Rpt	11	34	2.9	15.8
14177	11	46	3.4	17.4
14178	10	52	4.5	22.9
14179	11	56	4.8	23.5
14202	25	426	5.9	14.6



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Reference: u283441 Order Number: NC_008 Page 37 of 40

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
14203	24	250	6.0	14.5
14204	16	216	6.5	15.4
14205	24	328	11.8	14.2
14206	15	158	8.6	15.6
14207	31	374	7.9	14.4
14208	28	608	8.1	14.2
14209	21	408	12.0	16.2
14210	26	248	8.8	15.0
14211	57	176	10.4	16.9
14212	31	268	5.4	14.2
Std Nominal	3	104	0.7	2.8
Determined	4	104	0.6	2.8
14213	45	442	9.5	15.0
14214	125	214	9.9	16.6
14215	16	130	6.9	16.9
14215 Rpt	15	128	6.7	16.2
14216	45	268	9.3	14.8
14217	93	700	12.4	16.5
14217 Rpt	95	704	12.7	15.4
14228	32	90	71.4	29.0
14229	16	68	13.4	20.4
14230	10	62	8.4	20.0
14231	25	62	15.5	23.0
14232	29	136	15.1	22.6
14233	35	98	32.2	26.3
14234	62	136	27.2	24.3
14234 Rpt	59	140	25.5	23.2
14235	196	106	27.7	21.3
14359	38	110	6.8	10.9
14360	8	100	1.0	2.9
14361	29	88	4.5	10.3
14362	19	58	4.5	11.9
14363	7	220	4.0	13.0
14407	14	66	3.3	13.1
Std Nominal	521	5200	0.8	2.7
Determined	530	5210	0.8	2.6
14408	8	78	2.9	13.8
14409	28	66	2.7	14.1
14410	9	66	2.9	13.3
14535	15	70	6.3	17.6
14536	41	126	8.2	19.3
14537	142	152	5.1	14.6
14538	29	100	3.3	11.3



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Reference: u283441 Order Number: NC_008 Page 38 of 40

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
14539	58	100	6.2	24.5
14540	433	38	1.5	3.2
14541	8	42	3.8	17.9
14542	8	38	6.1	18.2
14542 Rpt	8	38	6.3	18.1
14543	10	46	24.8	12.7
15105	12	50	6.2	12.2
15106	7	78	6.1	13.1
15107	13	80	5.9	11.4
15107 Rpt	13	80	6.0	11.6
15108	25	272	6.2	11.9
15206	31	48	5.3	13.1
Std Nominal	24	92	4.2	15.6
Determined	24	94	4.3	15.3
15207	39	24	6.6	11.2
15208	21	168	3.2	10.4
15209	8	122	3.2	10.2
15311	7	164	3.8	10.5
15312	5	46	4.4	11.8
15313	7	54	5.7	11.4
15314	8	44	6.4	11.1
15315	8	20	6.8	11.2
15316	17	52	14.8	17.5
15317	8	44	3.7	10.8
15318	5	188	1.9	6.4
13622	48	24	6.2	15.7
13623	38	24	5.9	13.5
13623 Rpt	39	24	5.9	14.0
13624	16	90	5.7	13.1
13625	8	98	3.5	10.6
13626	5	48	3.4	11.4
13627	7	28	3.5	11.8
13628	13	140	4.2	11.1
13629	13	58	14.6	12.8
14087	8	234	4.4	18.7
14088	7	154	4.1	21.2
14089	7	88	3.3	20.5
14090	7	74	3.3	20.1
14090 Rpt	7	72	3.3	20.3
14091	7	92	4.3	21.4
14092	9	66	2.9	18.1
14093	5	78	2.6	18.5
14094	5	66	3.1	19.9



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Reference: u283441 Order Number: NC_008 Page 39 of 40

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
Std Nominal				
Determined	11	70	58.8	2.0
15374	21	74	4.1	13.5
15375	16	58	4.3	14.2
15376	27	80	4.1	14.3
15377	76	106	3.4	13.4
15383	255	266	9.3	20.2
15384	261	88	10.1	30.1
15385	14	48	2.7	8.5
15386	10	26	4.0	13.2
15416	25	30	4.8	10.9
15417	19	100	3.5	10.6
15418	11	90	3.5	10.9
15418 Rpt	11	90	3.5	11.0
15419	10	196	3.3	11.0
15420	432	36	1.5	3.1
15421	10	384	4.1	10.6
15422	11	48	9.3	14.7
15422 Rpt	11	48	9.6	15.2
15423	12	114	4.3	18.3
15424	19	70	5.6	28.4
15450	11	44	4.6	18.3
15451	14	40	5.5	21.1
15452	12	44	6.7	24.7
15453	19	26	13.3	21.9
15484	15	106	4.1	14.4
Std Nominal				
Determined	14	106	10.7	12.3
15485	28	194	4.3	14.2
15486	36	496	4.4	14.0
15487	87	428	4.8	14.8
16334	25	54	2.9	10.5
16335	11	74	2.4	9.4
16336	10	50	4.5	19.0
16337	10	22	22.7	14.2
16439	10	28	3.6	13.8
16440	9	96	1.0	2.9
16441	158	48	8.7	27.3
16442	26	80	8.9	27.0
16443	50	164	3.3	10.7
16443 Rpt	50	170	3.2	10.0
Std Nominal	3	104	0.7	2.8



Reference: u283441 Order Number: NC_008 Page 40 of 40

	Pb ppm	Zn ppm	U ppm	Th ppm
Detection Limit	1	2	0.1	0.1
Determined	4	106	0.7	2.9

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

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

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.