



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: **u283440**
Date Finished: 24/01/2018
Order: NC_008
Project: Wollogorang
Date Received: 22/12/2017
Samples Analysed: **398**

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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	Aul ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
17867	1	<5	<5	1.14	40	5.40	7.28	1.21
17868	<1	<5	<5	2.93	30	4.87	6.76	2.03
17869	<1	<5	<5	3.90	40	4.91	6.59	2.57
17869 Rpt	<1	<5	<5	3.87	40	4.86	6.68	2.52
17870	<1	<5	<5	2.24	20	3.81	4.74	1.42
17870 Rpt	1	<5	<5	2.22	20	3.77	4.65	1.40
17871	<1	<5	<5	5.68	20	6.75	7.44	3.54
17872	<1	<5	<5	3.96	20	6.97	7.82	2.90
Std Nominal	52	45	45	5.91	230	9.63	0.60	4.05
Determined	NR	NR	NR	5.89	210	9.63	0.61	4.01
17873	<1	<5	<5	2.37	30	7.16	8.43	2.10
17874	1	<5	<5	4.13	20	6.29	8.21	2.69
17875	<1	<5	<5	3.47	20	4.33	6.89	2.70
17876	<1	<5	<5	4.64	20	5.52	7.34	2.96
17877	<1	<5	<5	3.56	20	8.22	6.92	2.95
17878	<1	<5	<5	1.72	20	11.1	6.09	3.11
17879	<1	<5	<5	2.36	20	8.59	6.61	2.41
17880	NR	NR	NR	0.07	30	8.72	0.18	2.09
17881	1	5	<5	6.37	20	3.42	2.43	3.74
17882	1	<5	<5	4.21	<10	1.83	1.63	2.78
17883	2	<5	<5	4.98	20	2.90	2.84	2.92
17884	1	<5	<5	2.16	<10	8.98	7.34	2.42
17885	<1	<5	<5	2.13	<10	11.5	4.03	4.12
17886	<1	<5	<5	2.25	<10	11.2	4.70	5.02
17887	<1	<5	<5	1.33	<10	12.0	4.17	5.96
17888	1	5	<5	0.06	110	17.0	2.82	0.40
17889	1	<5	<5	2.09	40	6.91	5.47	1.72
17890	2	<5	<5	0.84	30	8.04	7.87	1.03
17891	<1	<5	<5	0.72	20	4.85	8.83	1.27
17892	1	<5	<5	1.09	30	4.57	8.94	1.68
17893	1	<5	<5	0.99	20	4.49	9.35	1.62
17894	<1	<5	<5	2.39	20	5.13	8.38	2.47
17895	<1	<5	<5	3.25	20	8.30	6.79	3.11
17896	<1	<5	<5	2.11	20	11.1	5.62	2.76
17897	<1	<5	<5	1.70	30	12.4	8.25	1.71
Std Nominal	1.37M			2.48	170	8.65	2.35	1.71
Determined	1.39M	<5	<5	2.48	150	8.60	2.35	1.71
17898	2	<5	<5	5.84	20	6.24	5.76	3.46
17898 Rpt	2	<5	<5	5.80	20	6.18	5.72	3.42
17899	<1	<5	<5	4.78	<10	2.99	2.12	2.82
17900	NR	NR	NR	1.68	6750	24.3	0.12	1.18
17901	2	<5	<5	4.43	50	2.06	1.69	2.54



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
17902	3	<5	<5	4.13	20	4.66	5.11	2.39
17903	<1	<5	<5	4.42	<10	7.69	7.13	2.28
17904	<1	<5	<5	4.58	<10	10.5	5.50	3.96
17904 Rpt	<1	<5	<5	4.71	<10	10.8	5.73	4.04
17905	<1	<5	<5	2.46	<10	9.60	5.87	3.76
17906	<1	<5	<5	1.42	<10	11.9	4.66	4.22
17907	<1	<5	<5	2.12	<10	9.81	5.58	3.26
17908	5	<5	<5	4.23	20	2.93	1.89	2.46
17909	<1	<5	<5	1.23	50	9.15	4.98	1.09
17910	1	<5	<5	3.88	40	5.03	6.34	2.57
17911	1	<5	<5	3.57	40	4.90	6.14	2.44
17911 Rpt	1	<5	<5	3.60	40	4.94	6.21	2.46
17912	<1	<5	<5	1.31	20	4.83	5.89	0.96
17913	1	<5	<5	0.71	20	8.36	8.31	1.06
Std Nominal	860	910	690	2.73	80	5.43	3.07	1.54
Determined	866	920	695	2.73	70	5.47	3.07	1.54
17914	<1	<5	<5	0.95	20	6.04	9.20	0.87
17915	<1	<5	<5	1.59	20	4.27	9.79	0.93
17916	<1	<5	<5	0.78	20	4.15	9.75	0.83
17917	<1	<5	<5	1.02	30	5.33	9.31	1.18
17918	<1	<5	<5	2.65	20	6.60	7.88	2.58
17918 Rpt	<1	<5	<5	2.61	20	6.54	7.70	2.55
17919	<1	<5	<5	1.85	30	9.85	6.27	3.20
17920	NR	NR	NR	0.07	30	8.77	0.20	2.09
17921	1	<5	<5	1.76	30	10.2	5.68	3.55
17922	2	<5	<5	2.81	20	8.89	6.40	3.32
17923	2	<5	<5	10.9	30	6.16	4.49	6.59
17924	<1	<5	<5	12.9	20	5.49	3.12	7.47
17925	4	<5	<5	7.17	10	5.99	5.43	5.26
17926	1	<5	<5	2.40	<10	7.24	7.27	3.56
17927	<1	<5	<5	2.02	10	9.92	5.28	4.51
17928	<1	<5	<5	1.20	10	11.7	4.25	5.19
17929	<1	<5	<5	1.14	<10	11.1	5.31	4.60
17930	<1	<5	<5	1.88	40	5.87	6.08	1.55
17931	<1	<5	<5	4.01	40	4.68	6.02	2.58
17932	1	<5	<5	2.30	40	4.33	5.69	1.77
17933	1	<5	<5	0.79	20	5.99	7.53	1.67
17934	<1	<5	<5	0.80	20	3.96	9.78	1.69
17935	<1	<5	<5	1.00	20	3.91	9.11	1.29
17936	<1	<5	<5	0.85	20	2.95	9.35	1.08
17937	1	<5	<5	0.82	20	5.48	8.43	1.47
17938	<1	<5	<5	0.75	30	9.86	6.45	2.52
17939	<1	<5	<5	0.77	30	10.0	6.35	2.69



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
17940	NR	NR	NR	0.06	30	8.76	0.20	2.11
17941	<1	<5	<5	0.84	20	6.16	8.49	1.61
17942	1	<5	<5	0.98	20	4.28	8.32	1.18
17942 Rpt	<1	<5	<5	0.98	20	4.23	8.41	1.18
17943	1	<5	<5	0.30	20	5.63	2.82	1.39
17944	1	<5	<5	0.38	20	7.32	2.08	1.96
18089	<1	<5	<5	0.38	10	5.98	1.93	1.36
18090	1	<5	<5	1.30	20	4.81	2.89	1.47
18091	8	<5	<5	4.20	30	6.05	4.27	3.02
18092	<1	<5	<5	2.76	20	3.82	2.64	2.05
Std Nominal	2.42M			0.40	600	1.29	0.18	0.33
Determined	2.36M	<5	<5	0.41	400	1.33	0.19	0.32
18093	<1	<5	<5	4.80	<10	5.67	7.47	3.73
18094	3	<5	<5	3.99	<10	6.35	7.15	2.87
18094 Rpt	2	<5	<5	3.96	<10	6.31	7.20	2.86
18095	<1	<5	<5	2.95	<10	5.02	7.98	2.38
18096	2	<5	<5	4.06	<10	3.64	7.21	2.98
17945	1	<5	<5	3.26	<10	4.67	6.64	2.65
17946	<1	<5	<5	4.09	<10	5.99	6.50	3.44
17947	1	<5	<5	3.48	<10	7.57	5.24	4.11
18110	<1	<5	<5	5.31	<10	6.47	5.35	4.46
18111	1	<5	<5	0.85	<10	3.64	4.18	1.14
18112	<1	<5	<5	0.72	<10	4.71	8.77	0.98
18112 Rpt	<1	<5	<5	0.74	<10	4.75	9.21	0.98
18113	<1	<5	<5	0.78	<10	3.36	9.84	1.00
18114	1	<5	<5	0.78	<10	5.67	7.75	1.87
18115	2	<5	<5	0.87	<10	2.70	9.87	1.04
18116	1	<5	<5	1.12	<10	2.78	9.48	0.98
18117	3	<5	<5	7.92	20	5.68	4.52	5.54
17948	1	<5	<5	2.36	50	5.23	6.86	1.89
Std Nominal	4.94M			0.26		1.40	2.03	3.42
Determined	5.03M	<5	<5	0.27	210	1.42	2.06	3.45
17949	1	<5	<5	2.22	40	4.17	4.82	1.75
17950	3	<5	<5	1.78	20	7.55	5.58	1.67
17951	<1	<5	<5	2.67	20	7.29	6.21	2.35
17952	<1	<5	<5	1.63	20	7.03	4.12	1.93
17953	<1	5	<5	0.99	30	2.99	9.84	0.57
17954	<1	<5	<5	0.81	10	2.63	7.08	0.59
17955	<1	<5	<5	0.83	20	2.64	9.37	0.98
17955 Rpt	<1	<5	<5	0.82	20	2.59	9.75	0.96
17956	2	<5	<5	1.07	20	5.19	8.59	2.18
17957	1	<5	<5	1.73	30	4.56	8.62	2.11
17958	<1	<5	<5	1.16	20	2.78	9.74	0.81



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
17959	1	<5	<5	14.2	<10	4.13	3.14	7.85
17959 Rpt	2	<5	<5	14.2	20	4.17	3.14	7.97
17960	NR	NR	NR	0.06	40	8.55	0.17	2.11
17961	<1	<5	<5	16.1	20	4.03	2.05	8.70
17962	2	<5	<5	11.5	20	3.88	4.11	6.85
17963	<1	<5	<5	1.67	<10	2.63	9.10	1.55
17964	4	<5	<5	0.96	<10	4.40	8.48	2.14
17965	1	<5	<5	1.10	<10	1.95	10.3	1.23
17966	1	<5	<5	0.97	<10	1.56	9.48	1.02
Std Nominal	52	45	45	5.91	230	9.63	0.60	4.05
Determined	50	45	45	5.89	160	9.62	0.61	4.00
17967	<1	<5	<5	1.83	<10	1.37	10.1	1.12
17968	<1	<5	<5	2.80	10	1.92	9.51	1.61
17969	1	<5	<5	0.12	30	6.18	5.31	0.26
17970	1	<5	<5	0.04	20	2.60	1.75	0.16
17970 Rpt	1	<5	<5	0.04	20	2.52	1.67	0.16
17971	<1	<5	<5	0.06	10	2.64	2.40	0.32
17972	3	<5	<5	0.66	20	2.72	3.12	0.66
17973	6	<5	<5	3.85	30	4.64	5.93	2.66
17974	2	<5	<5	4.18	30	4.20	5.91	2.76
17975	1	<5	<5	4.41	30	4.54	6.10	2.81
17976	1	<5	<5	4.11	30	4.50	4.80	2.57
17977	1	<5	<5	3.69	20	3.55	4.59	2.33
17978	<1	<5	<5	4.07	20	8.29	7.50	2.78
17979	1	<5	<5	2.90	20	8.58	7.01	2.79
17980	NR	NR	NR	1.74	7110	24.8	0.12	1.22
17981	1	<5	<5	2.26	20	4.99	8.49	1.62
17982	<1	<5	<5	2.65	30	7.99	4.53	2.59
17983	<1	<5	<5	2.64	20	8.51	4.42	3.01
17984	<1	<5	<5	2.14	20	9.84	2.59	4.18
17985	<1	<5	<5	2.19	20	10.3	5.08	5.02
17986	<1	<5	<5	3.00	20	8.92	3.93	4.66
17987	1	<5	<5	13.4	10	5.18	1.99	8.17
17988	1	<5	<5	14.5	10	4.82	1.75	8.87
17989	1	<5	<5	3.85	<10	7.79	5.26	4.74
Std Nominal	1.37M			2.48	170	8.65	2.35	1.71
Determined	1.33M	<5	<5	2.49	130	8.48	2.33	1.71
17990	1	<5	<5	1.96	40	5.85	6.00	1.60
17991	1	<5	<5	3.67	30	4.59	6.22	2.38
17991 Rpt	1	<5	<5	3.68	40	4.63	5.39	2.39
17992	1	<5	<5	1.02	20	2.63	3.32	0.79
17993	<1	<5	<5	0.58	20	8.08	7.75	0.62
17994	1	<5	<5	0.65	30	10.1	6.68	1.12



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
17994 Rpt	<1	<5	<5	0.66	30	10.1	6.03	1.13
17995	1	<5	<5	0.92	20	5.58	6.12	0.50
17996	<1	<5	<5	0.80	20	8.96	6.84	1.69
17997	<1	<5	<5	0.70	20	10.3	6.17	2.38
17998	<1	<5	<5	0.64	20	9.00	6.56	2.08
17999	<1	<5	<5	1.08	30	9.80	6.47	1.88
18000	NR	NR	NR	1.69	7030	24.8	0.12	1.20
150001	<1	<5	<5	3.00	40	9.54	5.86	3.87
150002	<1	<5	<5	3.42	20	8.43	5.94	3.19
150003	<1	<5	<5	8.60	20	3.79	1.75	5.31
150004	<1	<5	<5	6.40	<10	2.19	1.17	3.86
150005	1	<5	<5	2.94	20	2.34	1.85	2.09
150006	4	<5	<5	1.69	10	6.67	3.41	1.25
150007	1	<5	<5	0.78	<10	13.5	5.92	2.05
150008	<1	<5	<5	1.17	<10	9.27	6.32	1.96
150009	<1	<5	<5	2.04	<10	9.45	5.52	3.20
150010	<1	<5	<5	2.61	<10	8.83	6.18	2.88
150011	1	<5	<5	0.29	40	7.21	7.90	0.41
150012	5	<5	<5	0.87	30	3.58	8.81	0.72
150013	<1	<5	<5	2.80	30	4.35	4.91	2.37
Std Nominal	860	910	690	2.73	80	5.43	3.07	1.54
Determined	860	930	695	2.80	60	5.56	3.02	1.59
150014	<1	<5	<5	1.71	20	2.73	3.08	1.39
150015	<1	<5	<5	0.09	10	1.94	1.57	0.22
150016	<1	<5	<5	0.90	20	2.82	2.76	1.00
150017	<1	<5	<5	2.33	20	2.65	3.10	1.73
150018	1	<5	<5	3.84	30	4.36	5.54	2.69
150019	<1	<5	<5	4.35	30	3.54	5.68	2.81
150020	NR	NR	NR	0.07	20	8.57	0.20	2.10
150021	<1	<5	<5	4.37	20	4.50	6.59	2.82
150021 Rpt	1	<5	<5	4.41	30	4.55	6.70	2.85
150022	1	<5	<5	4.21	30	3.66	6.26	2.70
150022 Rpt	<1	<5	<5	4.19	30	3.62	6.18	2.69
150023	<1	<5	<5	2.71	20	2.95	3.42	1.72
150024	2	<5	<5	0.69	30	6.97	6.70	0.83
150025	2	<5	<5	1.35	20	10.2	7.34	1.96
150026	<1	5	<5	2.95	10	9.53	6.30	3.61
150027	2	<5	<5	1.47	20	9.91	6.07	4.17
150027 Rpt	1	<5	<5	1.46	10	10.2	6.11	4.25
150028	<1	<5	<5	1.01	20	9.89	5.91	3.55
150028 Rpt	<1	<5	<5	1.01	20	9.95	5.97	3.58
150029	7	<5	<5	0.74	20	8.27	7.82	1.93
150030	<1	<5	<5	2.43	10	9.04	5.83	4.58



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
150031	1	<5	<5	2.97	<10	5.39	8.28	2.95
150032	2	<5	<5	0.80	20	1.18	11.5	0.18
150033	1	5	<5	0.54	20	2.13	6.38	0.27
150034	<1	<5	<5	2.26	20	4.19	5.14	1.67
150035	3	<5	<5	1.26	20	2.49	2.55	1.07
Std Nominal	2.42M			0.40	600	1.29	0.18	0.33
Determined	2.43M	<5	<5	0.41	200	1.33	0.19	0.33
150036	1	<5	<5	3.62	20	2.73	2.73	2.42
150037	<1	<5	<5	3.44	10	2.32	2.48	2.38
150038	3	<5	<5	4.36	30	4.37	5.92	2.97
150039	1	<5	<5	4.37	30	3.57	6.43	2.91
150040	NR	NR	NR	0.07	20	8.91	0.17	2.15
150041	3	5	<5	4.59	40	4.68	6.52	2.89
150042	1	<5	<5	3.88	40	4.76	6.70	2.59
150043	1	<5	<5	3.33	20	3.39	4.09	2.00
150044	5	<5	<5	3.81	20	9.23	8.18	2.30
150045	6	<5	<5	2.55	30	7.77	8.64	1.96
150046	7	<5	<5	1.83	30	7.38	8.49	1.71
150047	9	<5	<5	2.09	20	9.25	6.71	3.38
150048	<1	<5	<5	1.77	20	9.75	5.22	4.26
150049	<1	<5	<5	1.46	20	10.1	5.32	4.43
150050	<1	5	<5	2.33	20	8.45	6.93	3.34
150051	<1	<5	<5	3.46	20	6.29	7.51	3.22
150052	<1	<5	<5	8.57	20	4.41	2.00	5.12
150053	4	<5	<5	0.19	70	6.10	6.37	0.81
150054	1	<5	<5	1.20	40	4.25	5.30	1.13
150055	1	<5	<5	0.46	30	6.33	7.80	0.77
150056	3	<5	<5	0.66	20	11.8	6.72	1.32
150057	4	<5	<5	0.73	20	11.7	8.39	0.46
150057 Rpt	5	<5	<5	0.72	20	11.6	8.38	0.45
150058	<1	<5	<5	0.84	20	10.8	6.92	1.86
150059	1	<5	<5	2.08	10	10.1	5.50	3.74
Std Nominal	4.94M			0.26		1.40	2.03	3.42
Determined	4.92M	<5	<5	0.27	140	1.45	2.00	3.37
150060	NR	NR	NR	1.65	7110	24.7	0.12	1.19
150061	4	<5	<5	1.83	40	9.91	4.03	3.62
150062	<1	<5	<5	1.61	20	9.85	4.29	3.96
150063	<1	<5	<5	0.69	20	5.87	5.18	1.71
150064	<1	<5	<5	1.77	30	6.07	5.25	1.11
150065	<1	<5	<5	0.67	20	2.90	1.96	0.52
150066	<1	<5	<5	1.05	10	4.51	2.09	1.07
150066 Rpt	<1	<5	<5	1.07	10	4.52	2.09	1.08
150067	3	5	<5	4.08	10	4.40	3.45	2.56



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
150068	5	<5	<5	4.01	20	8.35	7.06	2.88
150069	<1	<5	<5	1.34	10	13.0	6.95	1.83
150069 Rpt	<1	<5	<5	1.34	<10	12.9	6.85	1.82
150070	<1	<5	<5	0.87	<10	10.6	6.61	1.99
150071	<1	<5	<5	0.96	<10	9.98	4.51	3.03
150072	<1	<5	<5	2.55	<10	7.38	5.00	2.90
150073	<1	<5	<5	3.52	20	2.63	1.87	2.32
18624	2	5	<5	0.07	50	1.38	8.07	0.10
18625	<1	<5	<5	0.54	30	1.21	6.76	0.07
18626	3	<5	<5	0.74	40	3.12	8.33	0.38
18627	6	<5	<5	0.88	60	3.72	10.1	0.66
Std Nominal	52	45	45	5.91	230	9.63	0.60	4.05
Determined	54	45	45	5.94	200	9.63	0.61	4.02
18628	8	5	<5	1.02	30	2.33	11.1	0.36
18629	10	5	<5	0.52	40	3.43	9.37	0.47
18630	6	<5	<5	0.14	50	4.59	3.29	0.60
18631	4	<5	<5	0.18	60	3.46	5.04	1.00
18631 Rpt	5	5	<5	0.18	60	3.46	3.61	1.01
18632	6	<5	<5	0.23	40	2.19	6.65	0.69
18633	2	<5	<5	0.22	50	2.63	8.69	1.04
18634	1	<5	<5	0.32	30	2.32	9.78	0.93
18635	1	<5	<5	0.63	30	3.58	6.81	0.82
18636	1	<5	<5	0.27	20	2.07	2.92	0.30
18637	<1	<5	<5	0.22	20	2.34	2.78	0.55
18638	<1	<5	<5	0.14	20	1.73	2.06	0.33
18639	<1	<5	<5	0.11	20	1.86	3.02	0.42
18640	NR	NR	NR	1.67	7090	24.4	0.11	1.19
150074	1	<5	<5	3.32	70	4.08	5.31	2.47
150075	4	<5	<5	4.35	40	4.06	4.94	2.93
150076	1	<5	<5	4.38	30	4.15	6.22	2.80
150077	1	<5	<5	4.73	30	4.54	6.66	3.00
Std Nominal	1.37M			2.48	170	8.65	2.35	1.71
Determined	1.33M	<5	<5	2.48	150	8.26	2.38	1.71
150078	<1	5	<5	3.99	30	4.33	6.45	2.56
150078 Rpt	1	<5	<5	3.95	30	4.23	4.48	2.52
18662	<1	<5	<5	3.46	30	2.65	2.43	2.02
18663	<1	<5	<5	3.96	20	1.48	1.24	1.62
18664	2	<5	<5	4.03	20	3.17	3.61	2.25
18665	3	<5	<5	3.89	20	5.23	5.12	2.58
18666	2	5	<5	4.53	20	5.53	7.88	3.33
18666 Rpt	1	<5	<5	4.55	10	5.54	6.02	3.36
18667	<1	<5	<5	3.54	20	4.58	8.30	2.95
18668	3	5	<5	5.16	20	3.32	8.20	3.16



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
18669	<1	<5	<5	3.87	20	2.71	9.31	2.25
18670	4	<5	<5	3.20	20	2.95	9.58	2.16
18671	<1	<5	<5	3.79	20	4.28	8.44	3.01
18672	1	<5	<5	1.81	20	3.72	4.93	1.94
18673	<1	<5	<5	3.96	20	5.29	2.13	3.30
18674	3	<5	<5	0.09	120	22.2	0.66	0.21
18675	<1	<5	<5	0.05	60	6.02	2.72	0.14
18676	<1	<5	<5	0.04	50	7.91	3.70	0.37
18677	7	<5	<5	0.03	40	5.66	6.00	0.98
18678	<1	<5	<5	0.03	40	3.38	7.25	0.91
18679	2	<5	<5	0.15	40	3.16	5.96	0.94
18680	NR	NR	NR	1.71	7420	24.2	0.11	1.19
18681	<1	<5	<5	0.22	70	3.08	4.67	0.61
18682	1	<5	<5	0.18	30	1.37	2.30	0.23
18683	<1	<5	<5	0.31	30	3.08	4.13	0.72
18684	<1	<5	<5	0.78	20	3.13	3.03	0.57
18685	1	<5	<5	0.54	20	2.65	2.59	0.51
18686	<1	<5	<5	0.22	10	1.69	2.20	0.23
18687	1	<5	<5	0.35	<10	2.02	2.23	0.26
18687 Rpt	<1	<5	<5	0.35	10	2.02	2.23	0.26
18688	<1	<5	<5	1.47	20	2.80	3.49	1.11
Std Nominal	860	910	690	2.73	80	5.43	3.07	1.54
Determined	868	910	685	2.77	70	5.45	3.06	1.55
150079	8	<5	<5	4.27	30	4.28	4.73	2.80
150080	NR	NR	NR	0.07	50	8.77	0.18	2.10
150081	7	5	<5	4.33	40	4.24	6.12	2.72
150082	<1	<5	<5	4.45	40	4.71	6.54	2.70
150083	<1	<5	<5	4.44	40	4.49	6.71	2.62
18706	3	<5	<5	3.59	40	4.63	6.27	2.18
18707	<1	<5	<5	3.11	20	2.32	3.00	1.74
18708	<1	<5	<5	0.63	<10	1.28	1.28	0.35
18708 Rpt	<1	<5	<5	0.62	<10	1.27	1.26	0.34
18709	2	<5	<5	4.49	20	2.76	4.99	2.32
18710	8	<5	<5	3.39	10	3.71	8.90	2.46
18711	20	5	<5	5.72	20	5.96	7.15	3.58
18712	3	<5	<5	5.19	10	4.99	8.29	2.91
18713	<1	<5	<5	5.39	20	7.01	7.72	3.24
18714	4	<5	<5	3.02	10	11.8	5.22	4.91
18715	<1	5	<5	2.64	10	11.8	5.66	4.51
18716	<1	<5	<5	1.82	20	11.8	5.83	3.74
18716 Rpt	<1	<5	<5	1.77	10	11.8	5.85	3.67
18717	1	<5	<5	2.15	10	12.6	4.03	5.04
18717 Rpt	<1	<5	<5	2.15	10	12.6	4.36	5.03



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
18718	1	<5	<5	2.43	10	9.70	5.40	4.70
Std Nominal	2.42M			0.40	600	1.29	0.18	0.33
Determined	2.38M	<5	<5	0.41	290	1.30	0.19	0.34
18719	<1	<5	<5	2.92	20	10.3	5.48	4.81
18720	Sample Not Received							
18721	<1	5	<5	1.90	20	11.1	5.60	4.60
18722	4	<5	<5	2.14	10	11.4	4.95	4.80
18723	<1	<5	<5	1.83	10	11.3	4.96	4.67
18724	<1	<5	<5	1.06	20	9.59	6.29	4.07
18726	<1	<5	<5	0.05	40	4.66	2.58	0.15
18727	4	<5	<5	0.04	<10	1.54	1.45	0.17
18728	<1	<5	<5	0.05	10	1.53	1.64	0.22
18729	<1	<5	<5	0.07	20	1.62	2.21	0.34
18730	8	<5	<5	0.18	30	2.96	4.89	0.71
18731	6	<5	<5	0.16	50	4.82	6.52	0.98
18732	<1	5	<5	0.75	30	5.15	6.70	1.50
18733	<1	<5	<5	0.94	20	2.57	3.58	1.36
18734	1	<5	<5	0.31	10	1.13	1.91	0.49
18735	<1	<5	<5	1.62	20	1.67	2.31	1.20
18736	4	<5	<5	0.29	20	2.72	2.82	0.78
18736 Rpt	3	<5	<5	0.29	20	2.77	2.87	0.79
18737	8	<5	<5	0.19	20	2.97	3.12	0.65
18738	<1	<5	<5	0.12	20	2.15	2.42	0.35
18739	2	<5	<5	0.10	10	1.73	2.61	0.37
18740	NR	NR	NR	0.07	40	8.73	0.19	2.11
18741	1	<5	<5	0.08	10	1.72	2.41	0.26
18741 Rpt	1	<5	<5	0.08	20	1.68	2.40	0.25
150084	5	<5	<5	3.82	30	3.61	6.02	2.63
150085	<1	<5	<5	4.35	30	3.82	6.49	2.83
150086	1	<5	<5	4.25	30	4.02	6.68	2.77
150087	9	<5	<5	4.75	30	4.55	6.64	3.00
Std Nominal	4.94M			0.26		1.40	2.03	3.42
Determined	4.85M	5	<5	0.27	140	1.44	2.05	3.41
150088	3	<5	<5	6.52	40	5.36	6.70	4.08
150089	8	<5	<5	4.87	20	4.00	7.85	3.12
150090	<1	<5	<5	3.67	20	8.61	6.28	4.25
150091	<1	<5	<5	2.13	20	9.82	5.77	4.61
18775	<1	<5	<5	0.11	10	1.39	1.84	0.19
18776	1	<5	<5	0.05	10	1.15	1.24	0.08
18777	2	<5	<5	0.08	30	1.40	4.62	0.44
18778	2	<5	<5	0.11	20	1.66	6.34	0.89
18779	13	<5	<5	0.09	40	1.77	8.40	1.03
18780	NR	NR	NR	0.07	40	8.67	0.17	2.10



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
18781	9	<5	<5	0.09	30	2.13	5.67	0.59
18782	2	<5	<5	0.05	20	0.92	1.43	0.08
18783	10	<5	<5	0.04	20	0.73	1.53	0.07
18784	3	<5	<5	0.09	20	1.62	2.77	0.43
18785	1	<5	<5	0.10	20	1.83	2.68	0.44
18786	1	<5	<5	0.09	20	1.21	2.91	0.44
18787	1	<5	<5	0.10	30	1.34	2.73	0.38
18788	14	<5	<5	0.56	50	4.14	7.44	1.95
18789	<1	<5	<5	2.69	30	2.57	7.20	2.44
18790	1	5	<5	3.20	30	2.77	7.15	2.60
18791	11	5	<5	2.86	40	2.96	7.61	2.59
Std Nominal	52	45	45	5.91	230	9.63	0.60	4.05
Determined	53	45	45	5.95	190	9.62	0.60	4.04
18792	2	<5	<5	4.52	30	2.43	6.64	3.11
18792 Rpt	1	<5	<5	4.58	30	2.39	6.73	3.14
18793	1	<5	<5	4.16	30	2.55	6.62	2.98
18794	1	<5	<5	4.95	30	3.44	7.17	3.80
18795	2	<5	<5	5.70	30	4.87	6.46	4.39
18796	<1	<5	<5	5.29	30	3.82	6.52	3.73
18796 Rpt	1	5	<5	5.37	30	3.81	6.56	3.73
18797	<1	<5	<5	5.75	30	4.40	5.74	3.97
18798	<1	<5	<5	5.31	30	5.22	6.56	3.86
18799	<1	5	<5	3.80	50	4.49	6.92	2.51
18800	NR	NR	NR	1.71	6900	24.4	0.12	1.23
18801	6	<5	<5	4.38	90	5.81	6.47	3.25
18802	1	<5	<5	5.52	50	6.30	6.29	4.18
18803	1	5	<5	9.33	30	6.40	4.23	5.98
18804	<1	5	<5	5.84	20	3.47	8.00	3.40
18804 Rpt	1	<5	<5	5.82	20	3.46	7.99	3.37
150092	<1	<5	<5	1.03	20	4.56	9.45	1.28
150093	1	<5	<5	1.49	20	10.2	6.98	3.33
150094	<1	<5	<5	1.58	10	9.31	6.50	3.21
150095	<1	<5	<5	0.71	20	11.4	5.33	4.58
150096	<1	5	<5	0.61	20	13.5	3.81	5.44
150097	<1	5	<5	0.77	20	11.9	3.85	5.01
150098	<1	<5	<5	1.37	20	11.3	4.20	5.19
Std Nominal	1.37M			2.48	170	8.65	2.35	1.71
Determined	1.34M	<5	<5	2.45	150	8.47	2.37	1.72
150099	<1	<5	<5	1.50	20	10.3	5.05	4.82
150100	NR	NR	NR	1.68	6980	24.6	0.11	1.22
18838	3	<5	<5	0.67	80	3.33	8.64	0.43
18839	1	<5	<5	1.25	30	1.42	11.4	0.24
18840	1	<5	<5	1.49	20	1.30	11.7	0.19



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
18841	2	5	<5	0.47	20	1.67	6.42	0.34
18842	<1	5	<5	0.09	10	0.89	2.08	0.18
18842 Rpt	1	<5	<5	0.08	<10	0.87	2.06	0.17
18843	6	<5	<5	0.12	20	1.38	3.86	0.43
18844	3	<5	<5	0.08	20	1.59	4.52	0.46
18845	4	<5	<5	0.08	40	2.40	10.3	0.81
18846	6	5	<5	0.27	30	1.76	11.1	0.61
18847	3	<5	<5	0.20	40	2.52	10.8	0.90
18848	11	<5	5	0.21	50	3.26	9.47	1.31
18849	23	5	<5	0.22	80	5.40	9.61	1.32
18850	3	5	<5	0.21	60	2.96	9.97	1.27
18851	1	<5	<5	1.12	50	3.22	9.89	1.64
18852	2	<5	<5	4.01	40	3.04	8.79	2.85
18852 Rpt	2	<5	<5	3.97	40	3.03	8.66	2.81
18853	1	<5	<5	2.67	50	3.65	8.88	2.47
18854	<1	<5	<5	5.90	30	3.31	6.43	3.90
18855	1	<5	<5	4.31	20	2.28	6.84	2.90
18855 Rpt	<1	<5	<5	4.38	30	2.28	6.94	2.89
18856	1	5	<5	5.71	30	3.74	7.33	3.92
18857	<1	5	<5	4.87	30	3.22	7.09	3.39
18858	<1	<5	<5	5.27	30	3.05	6.69	3.46
18859	<1	<5	<5	4.39	30	3.22	4.83	2.94
Std Nominal	860	910	690	2.73	80	5.43	3.07	1.54
Determined	885	900	680	2.77	70	5.46	3.03	1.56
18860	NR	NR	NR	0.06	30	8.64	0.17	2.08
18861	1	<5	<5	4.32	30	3.48	6.47	2.70
18862	2	<5	<5	4.28	30	3.68	6.51	2.61
18863	<1	<5	<5	4.27	30	4.81	6.90	3.00
18864	1	<5	<5	5.46	40	6.47	6.50	4.16
18865	<1	<5	<5	10.8	60	6.59	4.00	5.89
18866	<1	<5	<5	1.64	20	3.01	4.93	0.96
18867	1	<5	<5	1.57	20	5.12	6.60	1.59
150101	2	<5	<5	2.29	10	7.57	5.44	3.03
150102	<1	<5	<5	1.56	20	9.97	5.88	3.96
150103	<1	<5	<5	0.89	10	10.4	4.92	3.80
150104	<1	<5	<5	0.73	10	10.6	4.76	4.18
150105	1	<5	<5	0.69	20	11.2	4.55	4.77
150106	<1	<5	<5	0.85	20	11.5	5.05	4.76
150107	6	<5	<5	0.71	10	12.4	4.13	5.07
150108	5	<5	<5	3.00	10	12.4	3.29	6.35
18902	2	<5	<5	0.10	40	2.19	7.37	0.40
18903	7	<5	<5	0.61	50	1.94	9.94	0.72
18903 Rpt	9	<5	<5	0.62	50	1.94	9.53	0.72



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: u283440 Order Number: NC_008 Page 12 of 48

	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
Std Nominal	2.42M			0.40	600	1.29	0.18	0.33
Determined	2.42M	<5	<5	0.40	290	1.30	0.19	0.32



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
17867	2060	0.06	500	50	75	<0.5	4	493
17868	1770	0.06	500	100	75	<0.5	3	373
17869	1980	0.05	600	<50	75	<0.5	3	352
17869 Rpt	1970	0.05	600	<50	70	<0.5	1	356
17870	1410	0.04	1350	50	60	<0.5	1	367
17870 Rpt	1380	0.04	1300	50	55	<0.5	2	372
17871	2200	0.02	2350	<50	225	<0.5	2	1200
17872	1310	0.02	2550	<50	260	<0.5	2	465
Std Nominal	1070	2.15	1300	1.74%	155	0.5	13	239
Determined	1050	2.16	1300	1.73%	155	0.5	12	227
17873	1130	0.03	2950	150	265	<0.5	2	624
17874	1610	0.04	3250	150	305	<0.5	2	579
17875	1050	0.03	2500	150	290	<0.5	2	522
17876	1520	0.03	2400	150	315	<0.5	<1	473
17877	1420	0.03	2400	450	290	<0.5	<1	460
17878	992	0.02	2700	50	305	<0.5	2	579
17879	1100	0.02	2350	200	245	<0.5	5	524
17880	86	0.01	200	8.20%	15	2.5	3040	15
17881	2970	0.04	500	150	50	<0.5	14	312
17882	1380	0.03	250	50	20	<0.5	2	198
17883	2080	0.03	300	100	35	<0.5	<1	244
17884	1200	0.02	2900	<50	245	<0.5	3	849
17885	1240	0.02	3000	150	270	<0.5	2	497
17886	1010	0.02	3100	400	255	<0.5	1	361
17887	518	0.02	3200	650	265	<0.5	<1	340
17888	3920	0.04	350	50	285	<0.5	23	662
17889	3300	0.04	550	<50	85	<0.5	6	908
17890	1240	0.03	3350	<50	265	0.5	5	750
17891	1060	0.03	2900	<50	310	<0.5	3	587
17892	1450	0.03	3550	<50	255	<0.5	3	892
17893	1310	0.03	2950	<50	255	<0.5	2	847
17894	1440	0.03	2700	100	310	<0.5	3	791
17895	1490	0.02	2450	300	295	<0.5	5	503
17896	1030	<0.01	2350	300	275	<0.5	5	645
17897	1240	0.03	2650	150	295	<0.5	4	726
Std Nominal	1180	1.30	600	1.97%	120	6.0	100	132
Determined	1180	1.31	650	1.99%	115	6.0	98	138
17898	2690	0.04	1850	100	135	0.5	1	542
17898 Rpt	2660	0.03	1900	50	130	<0.5	<1	520
17899	1830	0.04	550	<50	30	<0.5	1	269
17900	1260	0.33	100	700	140	<0.5	17	131
17901	1400	0.03	250	100	25	<0.5	<1	217
17902	2210	0.03	1650	50	115	<0.5	1	512



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
17903	1740	0.02	2250	100	210	<0.5	<1	1140
17904	2200	0.02	2300	300	215	<0.5	<1	286
17904 Rpt	2230	0.02	2400	350	220	<0.5	<1	299
17905	1760	0.03	2550	500	225	<0.5	2	442
17906	1050	0.21	2600	400	245	<0.5	2	1140
17907	988	0.14	2650	200	250	<0.5	2	1060
17908	1470	0.03	350	<50	30	<0.5	1	197
17909	3290	0.04	400	<50	145	<0.5	11	593
17910	1970	0.05	550	<50	70	<0.5	3	392
17911	1770	0.04	550	<50	65	<0.5	2	370
17911 Rpt	1780	0.04	600	<50	65	<0.5	2	371
17912	1320	0.03	3150	<50	180	<0.5	6	856
17913	778	0.02	2750	<50	285	<0.5	5	535
Std Nominal	552	2.04	1000	6650	125	1.5	19	932
Determined	556	2.03	1000	6650	130	1.5	19	892
17914	1160	0.04	3750	100	290	<0.5	11	704
17915	1160	0.04	6000	50	250	<0.5	5	777
17916	1370	0.04	3200	<50	275	<0.5	3	1010
17917	1790	0.03	2900	<50	305	<0.5	3	1110
17918	1380	0.02	2650	100	310	<0.5	9	726
17918 Rpt	1370	0.02	2600	150	310	<0.5	10	744
17919	3330	0.05	2600	400	315	<0.5	8	1270
17920	92	<0.01	200	8.31%	10	2.5	3110	16
17921	2850	<0.01	2450	400	295	<0.5	14	999
17922	1630	0.02	2700	150	255	0.5	10	756
17923	4120	0.02	1150	150	165	<0.5	8	580
17924	4510	0.03	650	100	105	<0.5	3	447
17925	3350	0.02	2250	200	180	<0.5	6	858
17926	2900	0.03	3650	50	310	<0.5	9	1320
17927	1120	0.02	3000	550	275	<0.5	8	525
17928	906	0.02	3150	800	285	<0.5	7	350
17929	852	0.02	3150	800	295	<0.5	11	438
17930	1940	0.04	450	50	80	<0.5	5	581
17931	1960	0.04	550	<50	70	<0.5	2	403
17932	1800	0.04	550	<50	70	<0.5	3	412
17933	1780	0.02	2900	<50	265	<0.5	3	865
17934	412	0.03	3050	<50	355	<0.5	6	780
17935	700	0.02	3650	<50	205	<0.5	14	879
17936	326	<0.01	3100	50	150	<0.5	2	790
17937	748	0.03	2950	<50	240	<0.5	6	723
17938	744	0.02	2700	<50	310	<0.5	6	570
17939	700	0.02	2700	200	300	<0.5	6	527
17940	92	<0.01	200	8.33%	10	3.0	3070	16



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
17941	1110	0.03	3200	400	250	<0.5	4	693
17942	1260	0.03	3650	100	155	<0.5	7	739
17942 Rpt	1260	0.03	3700	100	155	<0.5	8	748
17943	4250	0.03	800	<50	75	<0.5	5	669
17944	6760	0.04	700	100	75	<0.5	6	867
18089	5890	0.03	700	<50	60	<0.5	5	779
18090	4480	0.04	800	50	55	<0.5	4	695
18091	4410	0.03	800	50	65	<0.5	2	558
18092	4990	0.03	1100	50	70	<0.5	2	1070
Std Nominal	232		1850					
Determined	236	0.03	1800	300	30	<0.5	5	43
18093	2520	0.02	2850	<50	215	<0.5	1	1220
18094	2190	0.01	2350	100	215	<0.5	1	1290
18094 Rpt	2220	0.02	2300	50	210	<0.5	<1	1180
18095	1650	0.02	2900	<50	195	<0.5	1	731
18096	3150	0.02	2600	50	140	<0.5	2	956
17945	2040	0.03	2450	200	205	<0.5	3	723
17946	2580	0.02	2700	1000	205	<0.5	4	475
17947	1950	<0.01	2650	450	205	<0.5	4	342
18110	2160	0.02	2700	950	175	<0.5	4	372
18111	9520	0.03	3150	100	85	<0.5	6	2600
18112	1.40%	0.03	3150	50	90	<0.5	9	4600
18112 Rpt	1.47%	0.03	3150	100	90	<0.5	10	4400
18113	1180	0.03	3400	<50	85	<0.5	6	945
18114	2780	0.03	3350	100	220	<0.5	7	1350
18115	1300	0.03	3700	<50	135	<0.5	2	1220
18116	4200	0.04	4650	100	85	<0.5	2	2090
18117	4570	0.07	1000	50	115	<0.5	<1	965
17948	2020	0.04	600	<50	85	<0.5	4	498
Std Nominal	620		550					
Determined	622	0.03	550	200	135	<0.5	22	157
17949	1720	0.04	450	<50	60	<0.5	1	354
17950	1630	0.02	2000	<50	235	<0.5	2	624
17951	1010	<0.01	2250	<50	285	<0.5	<1	569
17952	1160	0.02	3400	<50	300	0.5	3	554
17953	366	0.03	3950	<50	150	<0.5	2	778
17954	508	0.03	3050	<50	150	<0.5	5	687
17955	712	0.03	3200	<50	160	<0.5	3	765
17955 Rpt	720	0.02	3150	<50	160	<0.5	2	782
17956	532	0.02	3250	<50	210	<0.5	2	680
17957	1040	<0.01	2900	<50	250	<0.5	9	849
17958	1120	0.02	4800	<50	110	<0.5	5	847
17959	4420	0.01	850	100	90	<0.5	1	412



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
17959 Rpt	4500	0.02	850	100	85	<0.5	2	409
17960	90	0.01	200	8.31%	10	2.5	2900	15
17961	4950	0.01	550	150	60	<0.5	2	258
17962	3560	0.02	1500	200	125	<0.5	4	439
17963	392	0.02	4050	50	225	<0.5	4	1300
17964	152	0.02	3300	<50	190	<0.5	5	756
17965	230	0.02	3450	50	70	<0.5	3	755
17966	192	0.02	3550	50	70	<0.5	4	690
Std Nominal	1070	2.15	1300	1.74%	155	0.5	13	239
Determined	1060	2.17	1350	1.74%	155	0.5	13	233
17967	372	0.02	3450	50	55	<0.5	2	584
17968	584	0.03	5400	50	95	<0.5	7	780
17969	1900	0.02	750	<50	140	<0.5	16	819
17970	1380	0.03	350	<50	30	<0.5	4	298
17970 Rpt	1340	0.02	350	<50	30	<0.5	4	287
17971	2600	0.03	200	<50	25	<0.5	2	279
17972	2590	0.03	450	<50	25	<0.5	3	436
17973	1980	0.03	450	<50	55	<0.5	3	380
17974	1910	0.03	550	<50	65	<0.5	3	354
17975	1930	0.03	550	<50	65	<0.5	<1	347
17976	1960	0.03	550	<50	70	<0.5	3	336
17977	1350	0.02	1150	50	135	<0.5	<1	649
17978	1590	<0.01	2250	<50	260	<0.5	<1	948
17979	1090	<0.01	2800	300	285	<0.5	3	559
17980	1280	0.31	100	750	145	<0.5	17	133
17981	1150	0.02	3150	50	285	<0.5	3	808
17982	1190	0.02	2300	200	320	<0.5	2	534
17983	1140	0.03	2550	450	300	<0.5	3	500
17984	1210	0.02	2350	750	270	<0.5	9	433
17985	1270	0.02	2500	500	285	<0.5	4	599
17986	1310	0.02	2400	450	260	<0.5	2	545
17987	4150	0.02	500	250	65	<0.5	<1	249
17988	4310	<0.01	250	250	45	<0.5	<1	223
17989	1640	0.02	2550	250	230	<0.5	<1	499
Std Nominal	1180	1.30	600	1.97%	120	6.0	100	132
Determined	1160	1.30	650	1.97%	115	6.0	95	131
17990	1860	0.05	600	<50	110	<0.5	9	542
17991	1960	0.04	550	<50	70	<0.5	2	371
17991 Rpt	1970	0.04	600	<50	70	<0.5	2	360
17992	1280	0.04	300	<50	45	<0.5	2	388
17993	2530	0.02	2400	<50	265	<0.5	9	1050
17994	958	0.02	2700	<50	320	<0.5	8	710
17994 Rpt	942	0.02	2750	<50	325	<0.5	8	776



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
17995	1030	0.03	3950	<50	255	<0.5	16	864
17996	1020	0.02	2950	<50	310	0.5	12	726
17997	1160	0.02	2700	<50	305	0.5	14	692
17998	1820	0.02	2650	<50	285	<0.5	8	756
17999	1640	0.02	2550	<50	290	<0.5	7	815
18000	1260	0.34	100	700	145	<0.5	18	136
150001	1330	0.02	2400	350	270	<0.5	3	428
150002	1250	0.03	2400	350	245	<0.5	5	551
150003	3010	0.02	400	250	60	<0.5	2	223
150004	2060	0.03	200	50	25	<0.5	<1	155
150005	1090	0.03	250	<50	30	<0.5	<1	216
150006	3870	0.03	1700	<50	125	<0.5	7	1000
150007	1430	<0.01	2700	<50	255	<0.5	8	828
150008	576	0.02	2700	100	215	<0.5	4	485
150009	1020	0.02	2500	200	215	<0.5	4	422
150010	1080	0.02	2450	100	225	<0.5	3	480
150011	802	0.03	1850	50	310	<0.5	33	1330
150012	818	0.04	3800	<50	255	<0.5	18	1130
150013	2640	0.04	600	<50	65	<0.5	5	395
Std Nominal	552	2.04	1000	6650	125	1.5	19	932
Determined	558	2.07	1000	6650	130	1.5	19	959
150014	1260	0.04	350	50	30	<0.5	2	269
150015	1790	0.03	250	<50	25	<0.5	5	207
150016	2460	0.03	350	<50	25	<0.5	1	264
150017	1740	0.04	250	<50	25	<0.5	<1	280
150018	2060	0.04	400	<50	60	<0.5	2	373
150019	2020	0.04	750	<50	60	<0.5	2	371
150020	90	<0.01	200	8.28%	10	2.5	2910	16
150021	2020	0.04	600	100	60	<0.5	4	375
150021 Rpt	2050	0.04	600	150	60	<0.5	5	395
150022	1990	0.04	550	100	65	<0.5	4	388
150022 Rpt	1970	0.04	550	50	65	<0.5	3	393
150023	1650	0.03	350	<50	60	<0.5	3	379
150024	1930	0.02	2550	50	240	<0.5	8	874
150025	1120	0.03	2300	150	280	<0.5	4	506
150026	1230	0.03	2400	700	270	<0.5	3	453
150027	790	0.03	2600	450	285	<0.5	2	428
150027 Rpt	794	0.03	2600	500	295	<0.5	2	429
150028	432	0.03	2650	150	285	<0.5	3	505
150028 Rpt	428	0.03	2750	150	280	<0.5	3	501
150029	1790	0.03	2850	50	280	<0.5	10	872
150030	1280	0.03	2450	500	265	<0.5	3	686
150031	1330	0.03	2700	450	205	<0.5	9	811



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
150032	80	0.05	3450	100	120	<0.5	4	1130
150033	792	0.04	2400	50	135	<0.5	3	669
150034	2160	0.06	950	100	50	<0.5	3	324
150035	1320	0.04	700	50	25	<0.5	1	227
Std Nominal	232		1850					
Determined	236	0.04	1800	300	30	<0.5	6	38
150036	2030	0.04	350	50	30	<0.5	<1	227
150037	1790	0.05	250	50	20	<0.5	<1	308
150038	2040	0.07	400	50	55	<0.5	2	380
150039	1850	0.07	550	100	60	<0.5	2	390
150040	90	<0.01	200	8.32%	10	2.5	3020	16
150041	2000	0.07	550	50	60	<0.5	3	378
150042	1940	0.07	550	150	65	<0.5	2	385
150043	1480	0.04	900	50	90	<0.5	1	298
150044	1550	0.03	2100	<50	250	<0.5	3	781
150045	990	0.03	2550	750	295	<0.5	19	716
150046	1120	0.04	2600	100	270	<0.5	4	758
150047	1370	0.04	2450	500	260	0.5	5	619
150048	1550	0.04	2300	700	235	<0.5	2	472
150049	864	0.03	2550	950	270	<0.5	6	652
150050	1340	0.03	2650	850	275	<0.5	20	656
150051	1510	0.03	2700	1050	275	<0.5	14	726
150052	3750	0.04	400	100	40	<0.5	<1	216
150053	1640	0.08	150	<50	95	<0.5	3	511
150054	1670	0.07	350	100	90	<0.5	19	387
150055	358	0.05	2050	250	310	<0.5	59	463
150056	548	0.05	2500	50	270	<0.5	11	524
150057	1010	0.05	2950	<50	280	<0.5	7	961
150057 Rpt	1030	0.05	2950	<50	275	<0.5	7	925
150058	1290	0.05	2550	<50	260	<0.5	12	585
150059	1260	0.04	2300	200	240	<0.5	2	484
Std Nominal	620		550					
Determined	614	0.06	550	250	125	<0.5	22	151
150060	1270	0.32	100	750	140	<0.5	17	126
150061	1030	0.47	2250	650	240	<0.5	2	1800
150062	1140	0.30	2300	550	230	<0.5	2	1310
150063	518	0.04	3000	50	245	<0.5	<1	629
150064	1840	0.05	1600	50	150	<0.5	3	489
150065	2310	0.04	900	<50	35	<0.5	<1	323
150066	5200	0.04	1300	50	55	<0.5	3	478
150066 Rpt	5260	0.04	1350	50	55	<0.5	4	463
150067	3740	0.04	1000	50	60	<0.5	2	369
150068	2960	0.04	2650	100	180	<0.5	2	696



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
150069	3150	0.04	2600	100	225	<0.5	5	668
150069 Rpt	3130	0.04	2500	50	230	<0.5	5	639
150070	1330	0.04	2650	50	200	<0.5	1	730
150071	1400	0.04	2700	100	215	<0.5	<1	678
150072	1750	0.04	2200	250	180	<0.5	<1	441
150073	1380	0.04	300	50	20	<0.5	<1	178
18624	186	0.05	400	50	75	<0.5	8	808
18625	680	0.05	2750	100	85	<0.5	15	779
18626	990	0.04	3550	50	170	<0.5	56	825
18627	1040	0.04	3950	50	220	<0.5	69	873
Std Nominal	1070	2.15	1300	1.74%	155	0.5	13	239
Determined	1080	2.18	1350	1.78%	155	0.5	13	235
18628	854	0.05	4750	150	160	<0.5	41	997
18629	3780	0.07	2650	100	145	<0.5	129	1220
18630	5050	0.06	700	100	160	<0.5	219	648
18631	1690	0.10	800	100	110	<0.5	94	655
18631 Rpt	1700	0.10	850	100	115	<0.5	93	628
18632	920	0.08	1000	100	75	<0.5	50	547
18633	370	0.09	800	50	95	<0.5	31	671
18634	200	0.13	1350	<50	90	<0.5	19	844
18635	2270	0.12	2400	50	70	<0.5	53	826
18636	2790	0.05	1000	50	35	<0.5	42	343
18637	3200	0.05	650	50	35	<0.5	43	309
18638	2570	0.04	350	<50	25	<0.5	27	244
18639	2490	0.05	300	100	25	<0.5	24	313
18640	1270	0.33	100	750	145	<0.5	16	135
150074	2490	0.06	450	100	55	<0.5	15	371
150075	2080	0.07	550	100	60	<0.5	8	376
150076	1760	0.06	500	50	60	<0.5	3	372
150077	1950	0.07	600	50	65	<0.5	3	391
Std Nominal	1180	1.30	600	1.97%	120	6.0	100	132
Determined	1170	1.26	650	2.00%	115	6.0	98	134
150078	1580	0.07	600	150	75	<0.5	11	368
150078 Rpt	1570	0.06	550	100	70	<0.5	10	345
18662	1150	0.04	300	100	55	<0.5	5	240
18663	1090	0.04	200	100	25	<0.5	2	204
18664	1080	0.04	5200	50	185	<0.5	2	414
18665	898	0.04	6250	550	265	0.5	1	1110
18666	1410	0.03	2850	100	250	<0.5	2	637
18666 Rpt	1420	0.03	2900	100	250	<0.5	3	592
18667	1050	0.03	2600	300	245	<0.5	2	572
18668	1480	0.03	3100	400	230	<0.5	5	625
18669	906	0.04	3450	200	190	<0.5	6	542



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
18670	862	0.03	2700	300	205	<0.5	2	711
18671	1110	0.03	2550	450	245	<0.5	1	610
18672	490	0.03	2750	2350	200	<0.5	11	510
18673	1370	0.03	2550	2150	240	<0.5	10	542
18674	1.41%	0.01	850	100	550	<0.5	61	1270
18675	1270	0.03	700	50	150	<0.5	21	850
18676	6060	0.06	650	50	180	<0.5	74	1480
18677	5690	0.09	300	50	105	<0.5	31	1210
18678	2820	0.08	250	<50	70	<0.5	9	826
18679	2110	0.08	700	50	65	0.5	8	649
18680	1280	0.32	100	750	145	<0.5	17	136
18681	1260	0.09	900	100	75	<0.5	7	630
18682	1320	0.05	700	50	15	<0.5	3	324
18683	4750	0.07	850	<50	45	<0.5	11	510
18684	3610	0.05	3050	50	35	<0.5	15	473
18685	1940	0.05	2050	<50	30	<0.5	15	375
18686	780	0.05	800	<50	20	<0.5	12	322
18687	834	0.05	1350	<50	20	<0.5	21	353
18687 Rpt	820	0.05	1350	50	20	<0.5	20	340
18688	2430	0.05	1100	50	35	<0.5	21	455
Std Nominal	552	2.04	1000	6650	125	1.5	19	932
Determined	554	2.01	1000	6700	130	1.5	19	952
150079	1940	0.07	450	100	55	<0.5	3	376
150080	88	<0.01	200	8.33%	10	2.5	2930	15
150081	1740	0.06	600	50	60	<0.5	4	386
150082	1820	0.07	550	100	55	<0.5	3	414
150083	1960	0.06	550	100	70	<0.5	2	432
18706	1590	0.06	600	100	75	<0.5	3	416
18707	1370	0.05	300	250	45	<0.5	27	286
18708	506	0.04	150	300	15	<0.5	27	207
18708 Rpt	508	0.04	150	300	15	<0.5	27	208
18709	1640	0.04	2550	1550	125	<0.5	27	329
18710	1150	0.04	2850	100	250	<0.5	7	467
18711	2900	0.03	2150	1200	205	<0.5	9	498
18712	1960	0.04	2250	1300	240	<0.5	7	617
18713	2060	0.03	2200	250	230	<0.5	2	2290
18714	1400	0.03	2400	650	270	<0.5	2	511
18715	1210	0.02	2400	700	270	<0.5	3	396
18716	800	0.03	2300	500	260	<0.5	4	500
18716 Rpt	796	0.03	2250	550	265	<0.5	3	512
18717	1210	0.03	2200	950	245	<0.5	4	598
18717 Rpt	1220	0.03	2200	1000	250	<0.5	3	621
18718	1670	0.03	2250	1150	250	<0.5	4	1150



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
Std Nominal	232		1850					
Determined	240	0.05	1800	300	35	<0.5	4	44
18719	1900	0.03	2300	1450	250	<0.5	6	530
18720	Sample Not Received							
18721	1320	0.03	2450	1350	270	<0.5	3	451
18722	1730	0.03	2250	1050	250	<0.5	3	464
18723	1260	0.03	2350	1200	270	<0.5	4	441
18724	436	0.03	2550	750	270	<0.5	2	409
18726	236	0.03	750	100	115	0.5	34	652
18727	410	0.03	300	<50	30	<0.5	20	437
18728	532	0.04	200	<50	20	<0.5	21	337
18729	692	0.04	250	50	30	<0.5	23	308
18730	1400	0.06	750	<50	55	<0.5	39	445
18731	2500	0.08	650	<50	70	<0.5	34	485
18732	1490	0.08	650	50	60	<0.5	11	419
18733	1100	0.06	500	<50	40	0.5	20	351
18734	260	0.04	250	50	15	<0.5	4	216
18735	980	0.04	300	50	20	<0.5	11	236
18736	2880	0.05	500	50	30	<0.5	46	308
18736 Rpt	2960	0.05	500	<50	30	<0.5	43	321
18737	3910	0.06	600	50	35	<0.5	79	348
18738	2720	0.05	400	<50	25	<0.5	41	269
18739	2050	0.05	350	<50	25	<0.5	52	329
18740	88	<0.01	200	8.36%	10	2.5	3020	16
18741	1990	0.06	300	50	20	<0.5	48	318
18741 Rpt	2010	0.06	250	50	20	<0.5	51	313
150084	2270	0.06	450	50	55	<0.5	16	417
150085	1900	0.07	550	100	55	<0.5	5	388
150086	1720	0.07	550	200	60	<0.5	4	392
150087	1950	0.07	600	100	65	<0.5	3	437
Std Nominal	620		550					
Determined	618	0.06	550	300	125	<0.5	4	160
150088	2320	0.07	2250	150	130	<0.5	3	555
150089	1500	0.03	2250	1450	240	<0.5	9	1120
150090	1320	0.03	2450	1400	260	<0.5	17	523
150091	876	0.03	2600	2000	285	0.5	8	429
18775	148	0.04	350	100	20	<0.5	29	292
18776	142	0.03	250	100	10	<0.5	18	203
18777	342	0.06	450	100	40	<0.5	14	537
18778	126	0.07	550	100	65	0.5	9	557
18779	220	0.07	500	50	100	<0.5	23	628
18780	92	<0.01	200	8.21%	10	3.0	3100	17
18781	58	0.07	600	500	110	0.5	132	500



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
18782	112	0.04	250	150	15	0.5	36	181
18783	76	0.04	150	150	10	<0.5	15	201
18784	1360	0.05	400	100	30	<0.5	60	372
18785	1640	0.05	450	50	30	<0.5	58	393
18786	156	0.05	350	<50	25	<0.5	14	312
18787	176	0.05	350	50	20	<0.5	20	333
18788	1210	0.07	650	50	80	<0.5	33	718
18789	1450	0.07	550	50	65	<0.5	5	511
18790	1460	0.07	650	350	60	<0.5	4	522
18791	1160	0.07	700	250	65	<0.5	3	542
Std Nominal	1070	2.15	1300	1.74%	155	0.5	13	239
Determined	1100	2.16	1350	1.79%	155	0.5	13	230
18792	1810	0.08	550	1200	60	<0.5	31	460
18792 Rpt	1800	0.07	550	1150	60	<0.5	31	450
18793	1700	0.07	550	200	55	<0.5	4	492
18794	2010	0.07	650	100	65	<0.5	2	515
18795	2390	0.07	650	50	75	<0.5	3	521
18796	2170	0.07	550	150	60	<0.5	2	441
18796 Rpt	2170	0.07	550	150	60	<0.5	2	443
18797	2380	0.07	550	350	65	<0.5	2	434
18798	2190	0.07	650	350	80	<0.5	3	461
18799	1560	0.07	550	100	75	<0.5	3	445
18800	1280	0.32	100	750	145	<0.5	17	135
18801	1790	0.07	600	100	85	<0.5	2	433
18802	1870	0.07	700	250	105	<0.5	2	483
18803	3670	0.06	500	150	160	<0.5	2	532
18804	1690	0.05	5350	50	195	<0.5	5	589
18804 Rpt	1660	0.05	5350	100	195	<0.5	5	594
150092	670	0.03	3950	50	235	<0.5	73	843
150093	1100	0.03	2700	100	280	<0.5	33	626
150094	766	0.03	2450	850	250	<0.5	6	555
150095	282	0.03	2750	1000	280	<0.5	3	515
150096	150	0.02	2750	2000	300	<0.5	7	397
150097	240	0.02	2600	1250	290	<0.5	6	433
150098	562	0.02	2600	850	280	<0.5	5	399
Std Nominal	1180	1.30	600	1.97%	120	6.0	100	132
Determined	1170	1.29	600	1.93%	115	6.0	100	132
150099	626	0.03	2700	1500	285	<0.5	10	457
150100	1280	0.34	100	750	150	<0.5	17	136
18838	132	0.04	3200	100	140	0.5	29	1290
18839	68	0.04	5050	100	65	0.5	16	1140
18840	58	0.04	5300	50	65	0.5	16	1150
18841	98	0.06	2200	100	50	<0.5	17	790



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
18842	88	0.04	300	100	15	<0.5	3	301
18842 Rpt	86	0.04	300	100	15	<0.5	3	299
18843	184	0.06	500	100	35	<0.5	8	452
18844	248	0.06	550	<50	45	<0.5	68	455
18845	50	0.11	750	100	100	0.5	172	853
18846	52	0.18	1600	100	115	1.0	228	1190
18847	86	0.17	1050	50	70	<0.5	115	1120
18848	198	0.09	750	100	105	<0.5	63	771
18849	356	0.09	800	100	145	0.5	74	779
18850	98	0.09	850	50	105	<0.5	17	727
18851	618	0.09	950	50	110	<0.5	14	769
18852	1560	0.07	700	100	90	<0.5	57	607
18852 Rpt	1560	0.07	700	100	90	<0.5	58	591
18853	1200	0.08	750	100	95	<0.5	14	669
18854	2310	0.07	600	450	70	<0.5	21	510
18855	1730	0.07	550	1050	50	<0.5	40	492
18855 Rpt	1770	0.07	550	1050	50	<0.5	37	501
18856	2320	0.07	550	200	75	<0.5	5	545
18857	2030	0.07	600	1100	65	<0.5	21	500
18858	2220	0.07	550	650	60	<0.5	17	450
18859	1840	0.07	600	700	65	<0.5	7	393
Std Nominal	552	2.04	1000	6650	125	1.5	19	932
Determined	556	2.06	950	6700	125	1.5	18	950
18860	90	0.01	200	8.35%	10	2.5	2940	17
18861	1750	0.07	550	350	65	<0.5	6	426
18862	1730	0.07	550	250	65	<0.5	7	420
18863	1760	0.07	600	200	90	<0.5	3	479
18864	2110	0.07	700	150	95	1.5	3	478
18865	4570	0.07	750	100	140	<0.5	19	800
18866	768	0.04	6000	100	230	<0.5	30	673
18867	1830	0.03	2950	<50	200	<0.5	48	858
150101	860	0.03	2550	100	195	<0.5	7	1110
150102	638	0.02	2800	<50	280	<0.5	11	523
150103	376	0.09	2300	150	240	<0.5	3	1060
150104	1010	0.03	2350	150	250	<0.5	32	865
150105	238	0.03	2650	750	280	<0.5	8	631
150106	262	0.03	2800	450	300	<0.5	6	443
150107	184	0.02	2700	1550	295	<0.5	6	445
150108	1190	0.02	2400	1900	295	<0.5	10	356
18902	148	0.04	900	100	125	1.0	151	1450
18903	146	0.06	2950	100	240	1.0	218	1150
18903 Rpt	148	0.05	3000	50	235	1.5	228	1190
Std Nominal	232		1850					



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
Determined	238	0.04	1800	300	30	<0.5	5	45



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
17867	0.5	<0.5	10	22	10.5	1.0	26	16
17868	0.6	<0.5	10	36	9.5	1.0	22	12
17869	0.6	<0.5	10	2	8.5	2.0	20	12
17869 Rpt	0.6	<0.5	10	4	8.5	1.5	20	11
17870	0.3	<0.5	10	16	9.0	2.0	16	10
17870 Rpt	0.3	<0.5	10	16	9.0	1.5	14	10
17871	<0.1	<0.5	20	2	23.0	1.0	16	4
17872	<0.1	<0.5	15	4	12.0	1.0	14	4
Std Nominal	<0.1	<0.5	155	316	7.5	2.0	6930	3
Determined	<0.1	<0.5	150	322	7.5	2.5	6870	3
17873	<0.1	<0.5	15	4	12.0	1.0	68	4
17874	<0.1	<0.5	15	8	7.5	2.0	22	4
17875	<0.1	<0.5	15	2	9.5	1.0	10	3
17876	<0.1	<0.5	10	18	6.5	1.5	8	3
17877	0.1	<0.5	30	188	12.5	1.5	22	8
17878	<0.1	<0.5	50	46	25.0	1.5	28	3
17879	0.1	<0.5	40	62	13.5	1.0	26	6
17880	48.6	<0.5	2500	3.18%	10.0	10.5	114	448
17881	0.2	<0.5	15	44	6.5	2.0	6	6
17882	<0.1	<0.5	5	20	6.0	2.0	10	3
17883	0.2	<0.5	5	14	7.0	2.0	8	5
17884	<0.1	<0.5	30	2	16.0	1.5	12	4
17885	0.1	<0.5	60	14	25.0	1.5	18	3
17886	<0.1	<0.5	65	52	34.0	1.0	24	2
17887	<0.1	<0.5	150	14	49.5	1.0	22	2
17888	0.7	<0.5	40	242	25.0	4.5	44	38
17889	0.4	<0.5	20	30	10.0	1.5	22	15
17890	7.8	<0.5	20	28	22.0	1.0	18	9
17891	0.1	<0.5	20	24	25.5	1.0	20	3
17892	<0.1	<0.5	20	54	15.0	1.0	16	3
17893	<0.1	<0.5	15	14	12.0	1.0	8	2
17894	<0.1	<0.5	20	10	12.5	1.0	16	9
17895	<0.1	<0.5	35	38	16.5	1.5	16	16
17896	<0.1	<0.5	35	26	24.5	1.0	16	4
17897	0.2	<0.5	35	26	12.5	1.5	20	6
Std Nominal	3.0	9.0	45	1500	9.5	67.0	74	521
Determined	2.9	9.0	45	1560	9.5	66.0	74	530
17898	0.3	<0.5	15	6	6.0	2.0	12	7
17898 Rpt	0.3	<0.5	15	6	6.0	1.5	12	6
17899	<0.1	<0.5	5	14	4.0	1.5	6	4
17900	<0.1	<0.5	450	80	10.0	1.0	4930	6
17901	<0.1	<0.5	10	8	3.5	1.5	50	3
17902	0.3	<0.5	10	12	11.5	2.0	20	7



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
17903	<0.1	<0.5	20	46	10.0	1.5	12	4
17904	<0.1	<0.5	40	42	19.0	1.5	12	4
17904 Rpt	<0.1	<0.5	40	44	20.0	1.5	14	4
17905	<0.1	<0.5	45	10	30.5	2.0	12	6
17906	<0.1	<0.5	45	28	54.5	2.0	14	9
17907	0.3	<0.5	40	24	38.5	1.5	24	11
17908	<0.1	<0.5	5	12	6.0	2.0	8	3
17909	0.6	<0.5	35	130	17.0	2.0	36	23
17910	0.4	<0.5	10	10	9.0	1.0	24	12
17911	0.3	<0.5	10	4	9.5	1.0	20	12
17911 Rpt	0.4	<0.5	10	6	9.5	1.0	20	12
17912	0.2	<0.5	20	52	13.0	1.0	12	6
17913	0.3	<0.5	30	6	22.5	1.0	16	7
Std Nominal	2.6		15	5310	30.5	319	38	24
Determined	2.6	<0.5	15	5220	29.5	321	40	24
17914	0.4	<0.5	30	76	12.5	1.0	16	6
17915	0.4	<0.5	20	32	7.5	1.5	8	17
17916	<0.1	<0.5	20	48	7.0	1.5	12	4
17917	<0.1	<0.5	20	56	8.5	1.5	10	5
17918	<0.1	<0.5	35	194	12.0	1.0	20	10
17918 Rpt	<0.1	<0.5	35	194	12.5	1.0	18	9
17919	0.2	<0.5	45	204	19.5	1.0	28	5
17920	50.4	<0.5	2480	3.18%	10.0	10.5	114	446
17921	0.7	<0.5	50	86	25.0	1.0	28	6
17922	0.2	<0.5	40	302	28.5	1.0	34	5
17923	0.2	<0.5	40	82	14.5	1.0	24	7
17924	<0.1	<0.5	30	40	12.5	1.0	16	6
17925	0.2	<0.5	40	24	25.0	1.0	16	6
17926	0.5	<0.5	60	40	24.0	1.0	22	6
17927	0.2	<0.5	75	12	35.5	<0.5	40	5
17928	<0.1	<0.5	90	20	45.0	1.0	40	5
17929	0.2	<0.5	80	12	47.0	0.5	44	5
17930	0.5	<0.5	20	48	12.0	1.0	34	15
17931	0.8	<0.5	10	6	9.5	1.0	20	12
17932	0.4	<0.5	10	18	10.0	1.0	22	11
17933	0.7	<0.5	30	44	27.5	0.5	26	11
17934	0.4	<0.5	25	48	22.0	<0.5	18	7
17935	0.9	<0.5	35	10	10.0	0.5	20	9
17936	<0.1	<0.5	15	24	7.5	1.0	10	2
17937	0.2	<0.5	25	48	9.0	1.0	20	6
17938	<0.1	<0.5	45	60	19.0	0.5	24	8
17939	<0.1	<0.5	55	20	21.0	0.5	34	3
17940	48.8	<0.5	2470	3.21%	10.5	10.0	116	445



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
17941	0.2	<0.5	25	22	13.5	1.0	20	4
17942	0.2	<0.5	25	28	9.5	1.0	14	6
17942 Rpt	0.2	<0.5	30	26	9.5	0.5	16	6
17943	0.1	<0.5	20	20	14.5	1.5	14	6
17944	<0.1	<0.5	30	16	16.0	2.0	14	5
18089	<0.1	<0.5	20	20	11.5	2.0	10	4
18090	<0.1	<0.5	15	40	9.5	1.5	12	5
18091	0.2	<0.5	15	38	12.5	2.0	16	7
18092	0.3	<0.5	10	20	11.5	1.5	6	3
Std Nominal			1600	9990				
Determined	2.5	<0.5	1700	1.06%	18.5	3.5	66	9
18093	0.5	<0.5	15	8	18.0	0.5	14	4
18094	0.2	<0.5	15	10	11.5	1.0	14	4
18094 Rpt	0.2	<0.5	15	8	11.0	0.5	12	3
18095	<0.1	<0.5	15	<2	9.0	<0.5	12	3
18096	<0.1	<0.5	20	6	9.0	0.5	12	3
17945	0.4	<0.5	30	6	10.0	0.5	14	7
17946	0.2	<0.5	25	306	10.5	<0.5	12	5
17947	<0.1	<0.5	30	2	16.5	<0.5	18	3
18110	0.1	<0.5	25	<2	16.0	<0.5	16	3
18111	0.2	<0.5	20	4	8.5	4.0	14	5
18112	0.2	<0.5	25	6	8.0	5.5	14	7
18112 Rpt	0.2	<0.5	25	8	8.5	6.0	12	7
18113	<0.1	<0.5	15	6	10.5	0.5	16	3
18114	0.4	<0.5	35	10	17.5	1.0	32	4
18115	0.1	<0.5	15	6	10.0	1.0	14	4
18116	0.1	<0.5	15	4	10.0	1.5	12	7
18117	<0.1	<0.5	30	4	18.0	0.5	20	10
17948	0.6	<0.5	10	32	8.0	1.0	28	12
Std Nominal			1.50%	4480				
Determined	3.5	<0.5	1.55%	4450	166	2.5	26	11
17949	0.3	<0.5	15	36	9.5	1.0	20	10
17950	0.5	<0.5	20	12	17.5	1.0	14	4
17951	0.6	<0.5	20	6	18.5	0.5	16	3
17952	1.6	<0.5	20	4	12.0	1.0	16	4
17953	<0.1	<0.5	10	122	4.0	0.5	18	3
17954	0.1	<0.5	15	26	4.0	0.5	12	2
17955	<0.1	<0.5	15	12	5.5	1.0	10	2
17955 Rpt	<0.1	<0.5	10	10	5.0	1.0	10	2
17956	<0.1	<0.5	25	8	11.5	<0.5	22	2
17957	0.5	<0.5	45	6	16.5	1.0	38	3
17958	0.1	<0.5	20	14	6.0	1.0	14	3
17959	<0.1	<0.5	20	62	7.5	0.5	12	4



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
17959 Rpt	<0.1	<0.5	20	66	7.5	0.5	12	5
17960	50.1	<0.5	2440	3.22%	10.5	10.5	116	442
17961	0.1	<0.5	15	40	6.0	0.5	8	4
17962	0.2	<0.5	25	30	13.0	1.0	12	6
17963	0.2	<0.5	20	12	13.0	0.5	8	4
17964	0.1	<0.5	30	6	19.0	<0.5	32	2
17965	0.1	<0.5	15	4	9.0	<0.5	8	2
17966	0.2	<0.5	15	8	7.5	0.5	10	4
Std Nominal	<0.1	<0.5	155	316	7.5	2.0	6930	3
Determined	0.1	<0.5	150	320	7.5	2.0	6880	3
17967	0.1	<0.5	10	8	5.0	<0.5	46	2
17968	0.2	<0.5	20	4	7.5	<0.5	18	6
17969	0.3	<0.5	40	736	11.5	2.0	28	16
17970	<0.1	<0.5	20	390	7.0	0.5	14	4
17970 Rpt	<0.1	<0.5	20	384	6.5	0.5	16	4
17971	<0.1	<0.5	10	36	5.0	<0.5	18	5
17972	<0.1	<0.5	10	16	8.0	0.5	16	5
17973	0.5	<0.5	15	6	11.5	1.0	20	9
17974	0.4	<0.5	10	2	8.0	1.0	20	9
17975	0.5	<0.5	10	6	8.0	0.5	22	10
17976	0.5	<0.5	10	4	8.5	1.0	26	11
17977	0.3	<0.5	10	14	13.0	1.0	12	4
17978	<0.1	<0.5	15	2	10.0	0.5	12	4
17979	0.2	<0.5	20	<2	22.5	1.0	16	5
17980	<0.1	<0.5	460	80	9.5	0.5	5040	6
17981	<0.1	<0.5	15	14	6.5	1.5	12	4
17982	<0.1	<0.5	20	2	11.0	1.0	20	10
17983	<0.1	<0.5	30	4	15.5	0.5	20	7
17984	<0.1	<0.5	40	4	25.5	0.5	24	5
17985	<0.1	<0.5	50	6	31.0	0.5	24	3
17986	0.1	<0.5	45	2	22.5	1.0	18	5
17987	<0.1	<0.5	20	44	11.5	1.0	12	3
17988	<0.1	<0.5	15	18	11.0	0.5	10	3
17989	0.4	<0.5	50	10	19.0	0.5	14	4
Std Nominal	3.0	9.0	45	1500	9.5	67.0	74	521
Determined	3.1	9.0	45	1510	9.0	65.5	76	529
17990	0.4	<0.5	25	24	11.5	1.5	28	19
17991	0.5	<0.5	15	6	8.0	1.0	26	11
17991 Rpt	0.5	<0.5	15	8	8.5	0.5	26	11
17992	0.3	<0.5	10	24	7.0	1.0	14	8
17993	0.4	<0.5	25	22	13.0	1.5	16	7
17994	0.2	<0.5	35	52	19.0	1.0	24	5
17994 Rpt	0.2	<0.5	35	52	19.5	1.0	26	5



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
17995	<0.1	<0.5	45	186	7.0	0.5	18	12
17996	<0.1	<0.5	60	42	13.0	0.5	24	11
17997	<0.1	<0.5	50	66	16.5	0.5	20	12
17998	<0.1	<0.5	40	78	13.0	1.0	22	15
17999	<0.1	<0.5	40	2	12.0	1.0	24	7
18000	<0.1	<0.5	460	78	9.5	0.5	4980	7
150001	<0.1	<0.5	45	10	23.0	11.5	38	3
150002	0.2	<0.5	35	8	13.5	1.0	20	5
150003	<0.1	<0.5	20	14	9.0	1.0	12	4
150004	<0.1	<0.5	5	10	5.0	1.0	8	3
150005	<0.1	<0.5	5	12	6.5	1.5	8	4
150006	0.3	<0.5	10	8	10.5	2.0	14	8
150007	<0.1	<0.5	45	4	15.5	1.0	20	5
150008	<0.1	<0.5	40	14	14.5	1.0	14	5
150009	<0.1	<0.5	40	18	22.5	0.5	12	4
150010	<0.1	<0.5	25	<2	14.0	0.5	16	4
150011	1.4	<0.5	35	332	7.0	1.5	22	15
150012	2.0	<0.5	45	898	8.0	1.0	22	11
150013	0.3	<0.5	30	108	13.5	1.0	20	9
Std Nominal	2.6		15	5310	30.5	319	38	24
Determined	2.5	<0.5	15	5310	29.5	321	40	25
150014	0.2	<0.5	10	10	6.0	1.0	12	6
150015	0.3	<0.5	10	32	3.5	1.5	10	4
150016	0.1	<0.5	10	18	5.5	1.5	10	6
150017	0.1	<0.5	10	16	7.0	1.0	14	5
150018	0.5	<0.5	10	4	13.0	1.0	24	9
150019	0.3	<0.5	10	4	9.0	1.0	20	9
150020	50.2	<0.5	2490	3.14%	9.5	10.5	112	451
150021	0.5	<0.5	15	8	8.0	1.0	20	11
150021 Rpt	0.5	<0.5	20	10	8.0	0.5	20	11
150022	0.4	<0.5	15	10	9.0	1.0	24	10
150022 Rpt	0.4	<0.5	20	8	8.5	0.5	26	9
150023	0.3	<0.5	15	20	8.0	1.0	12	7
150024	0.2	<0.5	20	18	14.0	1.5	20	6
150025	<0.1	<0.5	35	62	16.0	1.0	24	4
150026	0.2	<0.5	55	42	24.5	0.5	22	7
150027	<0.1	<0.5	45	110	27.0	<0.5	22	5
150027 Rpt	<0.1	<0.5	45	112	28.0	<0.5	22	5
150028	<0.1	<0.5	35	22	20.5	<0.5	22	3
150028 Rpt	<0.1	<0.5	40	20	22.0	<0.5	20	3
150029	<0.1	<0.5	30	20	13.0	1.0	18	5
150030	<0.1	<0.5	40	34	29.0	0.5	18	5
150031	0.3	<0.5	40	40	18.0	0.5	22	5



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
150032	1.4	<0.5	15	126	3.0	<0.5	6	9
150033	0.5	<0.5	10	218	5.0	<0.5	6	7
150034	0.2	<0.5	10	18	9.5	1.0	14	10
150035	<0.1	<0.5	5	38	5.5	0.5	10	6
Std Nominal			1600	9990				
Determined	2.6	<0.5	1690	1.03%	17.5	3.0	60	9
150036	<0.1	<0.5	10	36	6.0	1.0	10	5
150037	<0.1	<0.5	10	22	5.5	0.5	10	4
150038	0.5	<0.5	10	12	13.0	1.0	20	9
150039	0.3	<0.5	10	16	8.5	0.5	22	9
150040	50.1	<0.5	2490	3.27%	10.0	10.0	112	448
150041	0.5	<0.5	15	6	8.5	0.5	20	11
150042	0.4	<0.5	20	18	9.5	1.0	20	12
150043	0.2	<0.5	10	16	11.5	1.5	12	5
150044	0.1	<0.5	15	16	18.5	1.0	14	5
150045	0.2	<0.5	35	154	15.5	1.0	16	9
150046	0.2	<0.5	30	60	8.5	1.0	22	7
150047	0.2	<0.5	45	44	20.5	1.0	20	8
150048	<0.1	<0.5	45	38	32.0	0.5	16	9
150049	<0.1	<0.5	55	16	29.5	0.5	20	7
150050	0.3	<0.5	40	140	18.0	0.5	20	6
150051	0.2	<0.5	45	60	16.5	0.5	22	7
150052	<0.1	<0.5	10	10	9.5	0.5	10	4
150053	0.7	<0.5	20	16	18.0	1.0	36	17
150054	0.5	<0.5	15	24	13.0	3.0	18	12
150055	0.6	<0.5	30	106	25.0	10.5	20	15
150056	<0.1	<0.5	35	16	22.0	1.0	18	5
150057	<0.1	<0.5	30	22	7.0	1.5	12	7
150057 Rpt	<0.1	<0.5	30	20	6.5	1.0	14	7
150058	<0.1	<0.5	35	10	22.0	1.0	20	4
150059	<0.1	<0.5	40	24	26.5	0.5	20	3
Std Nominal			1.50%	4480				
Determined	3.1	<0.5	1.49%	4430	199	2.0	28	11
150060	<0.1	<0.5	455	78	10.5	0.5	5050	6
150061	<0.1	<0.5	40	42	48.5	1.0	20	8
150062	<0.1	<0.5	45	38	40.0	2.0	20	8
150063	0.2	<0.5	35	38	12.5	1.0	22	4
150064	0.2	<0.5	15	54	5.5	1.0	14	9
150065	<0.1	<0.5	5	10	5.5	1.5	6	4
150066	<0.1	<0.5	15	12	7.5	1.0	10	5
150066 Rpt	<0.1	<0.5	15	10	7.0	1.0	8	4
150067	0.1	<0.5	15	14	8.5	1.0	14	5
150068	0.2	<0.5	30	22	15.0	0.5	20	8



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
150069	<0.1	<0.5	40	18	13.5	1.0	16	6
150069 Rpt	<0.1	<0.5	40	16	13.0	1.0	14	6
150070	<0.1	<0.5	40	24	18.5	1.0	10	5
150071	<0.1	<0.5	40	22	29.5	0.5	10	4
150072	<0.1	<0.5	35	26	16.5	0.5	16	4
150073	<0.1	<0.5	5	8	5.5	0.5	6	3
18624	0.1	<0.5	10	256	1.5	<0.5	12	3
18625	0.2	<0.5	45	324	2.5	0.5	28	4
18626	1.0	<0.5	140	682	5.5	2.0	144	7
18627	0.7	<0.5	150	656	9.0	2.0	230	6
Std Nominal	<0.1	<0.5	155	316	7.5	2.0	6930	3
Determined	<0.1	<0.5	160	318	7.5	2.0	7000	3
18628	0.7	<0.5	100	414	5.0	1.0	140	8
18629	0.6	<0.5	445	840	14.0	3.0	186	11
18630	0.3	0.5	1000	1200	26.0	3.5	340	6
18631	0.2	0.5	515	794	23.0	1.5	280	9
18631 Rpt	0.2	<0.5	510	796	22.5	1.0	282	9
18632	0.4	<0.5	220	342	16.0	1.5	134	8
18633	<0.1	<0.5	120	172	19.5	0.5	100	7
18634	0.2	<0.5	75	88	14.5	0.5	86	11
18635	0.1	<0.5	155	314	11.5	1.0	84	15
18636	<0.1	<0.5	40	206	7.0	1.0	34	6
18637	0.1	<0.5	30	124	8.0	0.5	20	5
18638	<0.1	<0.5	20	66	6.5	0.5	32	4
18639	<0.1	<0.5	20	108	7.5	0.5	80	5
18640	<0.1	<0.5	445	80	11.0	0.5	5000	6
150074	0.4	<0.5	25	58	13.5	0.5	64	7
150075	0.3	<0.5	25	24	11.0	0.5	28	9
150076	0.3	<0.5	20	14	9.0	<0.5	22	9
150077	0.4	<0.5	20	20	10.5	0.5	24	10
Std Nominal	3.0	9.0	45	1500	9.5	67.0	74	521
Determined	2.8	8.5	45	1540	9.5	68.5	72	527
150078	0.6	<0.5	20	20	9.5	1.5	26	11
150078 Rpt	0.7	<0.5	20	18	9.5	1.0	26	10
18662	<0.1	<0.5	20	32	7.0	2.5	12	4
18663	<0.1	<0.5	10	40	4.5	2.0	12	3
18664	<0.1	<0.5	20	28	32.5	1.0	16	10
18665	0.5	<0.5	35	24	28.0	<0.5	20	10
18666	<0.1	<0.5	25	34	22.5	<0.5	18	2
18666 Rpt	<0.1	<0.5	25	32	23.0	0.5	16	3
18667	<0.1	<0.5	20	246	23.0	<0.5	16	2
18668	<0.1	<0.5	20	384	15.5	1.0	16	3
18669	<0.1	<0.5	20	50	9.5	0.5	16	3



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Perth WA 6155 Australia

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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
18670	<0.1	<0.5	20	22	9.5	0.5	18	2
18671	<0.1	<0.5	25	50	19.5	0.5	20	2
18672	0.6	<0.5	45	12	16.5	1.5	22	5
18673	0.5	<0.5	45	12	21.0	1.0	26	6
18674	0.7	<0.5	930	948	66.0	8.5	174	55
18675	0.3	<0.5	120	336	13.5	2.5	46	17
18676	0.3	<0.5	120	596	16.0	4.0	52	16
18677	0.2	<0.5	65	318	18.5	1.5	50	11
18678	0.4	<0.5	75	170	13.5	1.0	62	7
18679	<0.1	<0.5	40	130	11.0	0.5	88	6
18680	<0.1	<0.5	445	76	10.0	0.5	4990	6
18681	<0.1	<0.5	75	138	9.5	1.0	72	8
18682	<0.1	<0.5	35	86	4.0	0.5	26	4
18683	<0.1	<0.5	40	36	7.0	0.5	48	6
18684	0.1	<0.5	45	78	5.0	0.5	30	5
18685	0.1	<0.5	35	70	5.0	0.5	18	5
18686	0.3	<0.5	15	60	3.5	0.5	12	5
18687	0.2	<0.5	15	54	4.0	0.5	10	5
18687 Rpt	0.2	<0.5	15	56	4.0	0.5	12	5
18688	0.3	<0.5	20	24	6.0	1.0	14	6
Std Nominal	2.6		15	5310	30.5	319	38	24
Determined	2.5	<0.5	15	5270	29.5	313	40	23
150079	0.5	<0.5	10	24	10.5	2.5	20	8
150080	49.4	<0.5	2460	3.33%	10.5	10.0	116	432
150081	0.5	<0.5	15	8	6.5	1.0	20	10
150082	0.4	<0.5	10	16	7.0	1.0	22	10
150083	0.5	<0.5	10	10	7.5	1.0	22	10
18706	0.6	<0.5	20	24	7.0	1.0	22	11
18707	0.7	<0.5	15	68	4.5	1.5	14	10
18708	0.1	<0.5	10	14	3.0	8.0	8	7
18708 Rpt	0.1	<0.5	10	16	3.0	8.0	6	7
18709	0.4	<0.5	15	42	16.5	7.0	10	9
18710	<0.1	<0.5	15	200	38.5	0.5	14	5
18711	0.2	<0.5	40	52	17.0	0.5	12	5
18712	0.2	<0.5	50	28	18.0	0.5	16	5
18713	<0.1	<0.5	30	20	13.0	1.0	16	4
18714	<0.1	<0.5	50	8	31.5	0.5	26	3
18715	<0.1	<0.5	35	8	30.0	0.5	22	3
18716	<0.1	<0.5	25	10	29.5	1.0	20	4
18716 Rpt	<0.1	<0.5	25	8	28.0	1.0	18	3
18717	<0.1	<0.5	40	18	40.0	0.5	20	4
18717 Rpt	<0.1	<0.5	45	18	37.5	0.5	20	3
18718	<0.1	<0.5	50	14	34.5	<0.5	18	7



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
Std Nominal			1600	9990				
Determined	2.3	<0.5	1620	1.00%	15.0	3.0	64	9
18719	<0.1	<0.5	50	26	27.5	0.5	20	5
18720	Sample Not Received							
18721	<0.1	<0.5	40	42	33.0	0.5	22	4
18722	<0.1	<0.5	40	36	33.0	0.5	20	3
18723	<0.1	<0.5	45	32	33.5	1.0	22	3
18724	<0.1	<0.5	60	26	35.0	0.5	20	4
18726	0.1	<0.5	70	444	6.0	2.0	60	7
18727	<0.1	<0.5	55	192	3.0	1.0	46	3
18728	<0.1	<0.5	90	234	3.5	1.0	56	4
18729	<0.1	<0.5	125	278	5.0	1.0	76	4
18730	0.3	<0.5	30	74	14.5	1.0	56	8
18731	0.4	<0.5	25	42	18.0	1.5	24	11
18732	0.4	<0.5	20	10	14.5	1.5	18	12
18733	0.6	<0.5	15	12	9.0	0.5	12	7
18734	<0.1	<0.5	10	12	4.0	1.0	8	3
18735	0.1	<0.5	20	20	4.5	1.0	22	5
18736	0.1	<0.5	20	18	5.0	0.5	22	5
18736 Rpt	<0.1	<0.5	25	16	5.5	0.5	20	5
18737	0.1	<0.5	30	82	6.0	0.5	54	6
18738	<0.1	<0.5	20	58	4.0	<0.5	24	5
18739	0.2	<0.5	65	152	4.0	<0.5	62	5
18740	50.4	<0.5	2510	3.26%	10.0	10.0	120	434
18741	0.2	<0.5	15	104	3.0	0.5	48	6
18741 Rpt	0.2	<0.5	20	106	3.0	0.5	50	5
150084	0.4	<0.5	15	32	10.5	0.5	32	8
150085	0.4	<0.5	10	10	9.0	0.5	20	10
150086	0.3	<0.5	10	8	7.5	0.5	20	9
150087	0.4	<0.5	10	6	8.0	0.5	20	9
Std Nominal			1.50%	4480				
Determined	3.1	<0.5	1.50%	4450	175	2.0	30	11
150088	0.3	<0.5	20	38	16.0	0.5	22	11
150089	0.7	<0.5	25	50	19.5	0.5	14	6
150090	0.4	<0.5	70	12	27.0	0.5	22	6
150091	<0.1	<0.5	165	26	37.0	<0.5	38	6
18775	<0.1	<0.5	35	1690	4.5	1.5	38	4
18776	<0.1	<0.5	20	780	3.5	1.0	22	3
18777	0.1	<0.5	140	1030	7.5	1.0	168	6
18778	0.1	<0.5	170	1540	12.0	0.5	400	6
18779	0.6	<0.5	600	1340	17.5	1.0	458	18
18780	50.2	<0.5	2460	3.21%	9.5	10.0	118	438
18781	4.6	<0.5	290	1030	9.5	4.5	342	31



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
18782	0.8	<0.5	250	432	3.5	1.0	52	11
18783	0.7	<0.5	170	206	3.5	1.0	40	7
18784	0.4	<0.5	605	1250	7.0	1.0	392	7
18785	0.1	<0.5	590	1710	6.5	0.5	546	5
18786	0.2	<0.5	75	310	7.0	1.0	104	5
18787	0.2	<0.5	120	868	6.5	1.0	296	5
18788	0.2	<0.5	360	1520	25.5	0.5	498	9
18789	0.1	<0.5	25	38	17.5	<0.5	36	6
18790	0.2	<0.5	20	78	13.0	1.0	28	6
18791	<0.1	<0.5	15	38	14.0	1.0	28	5
Std Nominal	<0.1	<0.5	155	316	7.5	2.0	6930	3
Determined	<0.1	<0.5	160	316	7.5	2.0	6980	3
18792	0.4	<0.5	20	16	10.0	<0.5	26	6
18792 Rpt	0.4	<0.5	20	14	10.0	<0.5	26	6
18793	0.2	<0.5	210	8	10.0	<0.5	26	6
18794	<0.1	<0.5	10	4	13.0	<0.5	30	5
18795	0.1	<0.5	15	6	13.0	<0.5	38	6
18796	0.2	<0.5	10	8	10.5	<0.5	28	6
18796 Rpt	0.1	<0.5	10	6	10.5	<0.5	28	6
18797	0.2	<0.5	10	6	11.0	<0.5	28	6
18798	0.3	<0.5	15	4	12.0	<0.5	30	8
18799	0.3	<0.5	10	6	9.0	0.5	28	9
18800	<0.1	<0.5	445	78	10.0	0.5	4980	6
18801	0.3	<0.5	25	8	12.0	2.0	68	8
18802	0.2	<0.5	65	14	14.0	<0.5	42	7
18803	<0.1	<0.5	80	32	13.5	<0.5	44	5
18804	<0.1	<0.5	50	162	28.0	0.5	36	11
18804 Rpt	<0.1	<0.5	50	158	27.0	<0.5	36	11
150092	<0.1	<0.5	315	1260	20.5	1.0	428	5
150093	<0.1	<0.5	110	352	25.5	1.0	158	4
150094	0.1	<0.5	45	10	32.0	<0.5	30	4
150095	0.1	<0.5	150	10	44.5	<0.5	64	4
150096	<0.1	<0.5	280	10	49.5	<0.5	70	4
150097	<0.1	<0.5	115	50	49.0	<0.5	48	5
150098	<0.1	<0.5	70	40	46.0	0.5	44	6
Std Nominal	3.0	9.0	45	1500	9.5	67.0	74	521
Determined	3.0	9.0	40	1520	9.5	66.0	74	515
150099	0.1	<0.5	65	62	42.0	1.5	48	9
150100	<0.1	<0.5	450	80	10.0	1.0	5080	7
18838	1.6	<0.5	85	858	4.5	7.5	136	11
18839	1.2	<0.5	60	660	3.0	4.5	86	9
18840	1.0	<0.5	50	544	2.5	3.5	72	9
18841	0.3	<0.5	40	878	6.0	1.5	86	8



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
18842	<0.1	<0.5	25	288	5.0	0.5	38	4
18842 Rpt	<0.1	<0.5	25	280	5.0	0.5	36	4
18843	<0.1	<0.5	120	1450	7.5	1.0	150	5
18844	0.3	<0.5	85	2640	10.0	1.5	116	6
18845	5.9	<0.5	65	2540	15.0	2.5	124	36
18846	6.4	<0.5	120	1740	10.0	2.0	210	43
18847	0.8	<0.5	295	2220	13.0	1.0	326	19
18848	1.3	<0.5	720	926	22.5	0.5	204	11
18849	10.0	<0.5	60	32	21.5	2.5	66	32
18850	2.9	<0.5	25	16	19.5	0.5	38	10
18851	1.0	<0.5	20	10	17.0	0.5	28	9
18852	1.5	<0.5	20	16	14.0	1.0	28	8
18852 Rpt	1.5	<0.5	20	14	14.0	0.5	26	7
18853	0.6	<0.5	20	8	15.5	0.5	32	8
18854	0.7	<0.5	20	6	12.5	0.5	26	6
18855	0.9	<0.5	10	8	11.0	0.5	22	6
18855 Rpt	0.9	<0.5	15	6	10.5	0.5	24	6
18856	0.1	<0.5	15	4	14.0	<0.5	28	5
18857	0.4	<0.5	15	8	13.0	<0.5	32	6
18858	0.2	<0.5	35	18	11.0	<0.5	20	5
18859	0.5	<0.5	40	4	10.5	<0.5	20	7
Std Nominal	2.6		15	5310	30.5	319	38	24
Determined	2.5	<0.5	15	5260	29.5	312	38	23
18860	49.6	<0.5	2400	3.21%	10.0	11.0	116	432
18861	0.5	<0.5	35	6	8.5	0.5	22	9
18862	0.3	<0.5	20	26	9.0	1.0	24	8
18863	0.3	<0.5	20	16	11.5	0.5	28	8
18864	0.3	<0.5	60	34	16.5	1.0	40	7
18865	<0.1	<0.5	45	106	13.0	1.0	40	6
18866	0.2	<0.5	40	258	42.0	1.0	22	8
18867	<0.1	<0.5	150	840	26.0	1.5	52	4
150101	<0.1	<0.5	65	130	27.5	0.5	44	3
150102	0.5	<0.5	240	34	39.5	0.5	54	7
150103	0.1	<0.5	45	18	51.0	0.5	22	4
150104	<0.1	<0.5	45	30	39.5	0.5	20	6
150105	<0.1	<0.5	120	26	50.0	<0.5	32	5
150106	<0.1	<0.5	65	24	46.0	0.5	42	4
150107	<0.1	<0.5	90	20	51.0	1.0	60	6
150108	0.4	<0.5	90	18	59.0	2.5	68	9
18902	1.2	<0.5	815	706	7.0	5.0	220	21
18903	1.4	<0.5	1720	1170	12.5	5.5	370	21
18903 Rpt	1.5	<0.5	1730	1190	12.5	6.0	374	22
Std Nominal			1600	9990				



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
Determined	2.4	<0.5	1660	1.03%	17.5	3.0	60	9



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
17867	36	2.8	19.0
17868	40	2.6	17.9
17869	44	3.1	17.3
17869 Rpt	42	3.2	17.3
17870	30	3.9	11.6
17870 Rpt	28	4.1	12.2
17871	22	4.7	9.5
17872	20	4.8	10.6
Std Nominal	104	0.7	2.8
Determined	106	0.7	2.9
17873	36	4.9	12.5
17874	32	7.2	11.5
17875	26	4.1	11.6
17876	24	6.1	9.6
17877	52	3.8	9.7
17878	82	2.2	11.8
17879	44	2.0	11.3
17880	38	1.5	3.1
17881	16	2.0	5.6
17882	14	1.4	5.0
17883	22	2.1	7.7
17884	34	3.7	11.4
17885	72	3.0	12.0
17886	108	3.5	12.4
17887	162	2.8	13.0
17888	32	5.1	21.1
17889	44	3.2	16.1
17890	28	7.6	13.1
17891	32	5.4	12.9
17892	34	5.2	14.3
17893	30	2.6	12.6
17894	28	4.3	10.7
17895	40	5.6	9.1
17896	32	1.3	10.5
17897	36	1.9	10.7
Std Nominal	5200	0.8	2.7
Determined	5330	0.8	2.8
17898	30	4.8	8.1
17898 Rpt	28	4.5	7.7
17899	20	2.1	5.7
17900	96	1.0	2.6
17901	32	1.1	4.5
17902	32	5.6	9.5



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
17903	32	2.6	8.7
17904	60	2.5	9.6
17904 Rpt	62	2.6	10.1
17905	66	2.4	10.7
17906	60	2.4	10.4
17907	46	3.9	10.2
17908	32	1.4	5.0
17909	34	3.9	20.2
17910	40	3.2	17.4
17911	32	3.0	16.8
17911 Rpt	34	3.1	17.0
17912	22	8.0	10.6
17913	24	3.9	9.8
Std Nominal	92	4.2	15.6
Determined	92	4.1	15.3
17914	14	7.3	12.5
17915	28	19.5	14.1
17916	22	6.3	11.7
17917	26	5.9	12.4
17918	60	4.3	9.8
17918 Rpt	62	4.3	9.8
17919	84	2.0	11.4
17920	40	1.5	3.0
17921	100	1.7	10.8
17922	58	2.8	11.0
17923	44	3.5	10.7
17924	114	3.0	10.5
17925	44	6.6	12.9
17926	66	7.7	12.4
17927	80	3.8	12.9
17928	106	4.2	13.1
17929	96	3.5	13.8
17930	36	2.8	17.9
17931	36	3.1	18.2
17932	36	3.2	15.4
17933	32	5.9	10.7
17934	46	8.0	14.2
17935	42	6.8	13.0
17936	28	4.0	11.9
17937	52	4.8	10.8
17938	96	1.5	11.2
17939	110	1.9	10.6
17940	40	1.6	3.1



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
17941	58	3.2	11.7
17942	34	5.9	14.3
17942 Rpt	32	5.9	13.6
17943	60	3.2	10.9
17944	72	2.6	9.9
18089	116	2.0	8.0
18090	152	2.3	9.6
18091	42	3.2	13.6
18092	32	3.0	6.3
Std Nominal			
Determined	72	63.5	1.8
18093	30	5.2	10.8
18094	32	3.2	10.2
18094 Rpt	30	3.2	9.8
18095	14	4.3	11.5
18096	22	4.9	10.4
17945	32	3.5	10.3
17946	38	2.4	11.3
17947	62	2.2	10.7
18110	96	2.0	10.2
18111	62	3.7	11.4
18112	40	4.1	13.1
18112 Rpt	40	4.2	13.5
18113	32	3.3	13.9
18114	56	3.6	14.9
18115	26	5.7	15.0
18116	36	11.0	19.1
18117	56	3.9	16.0
17948	38	3.6	19.0
Std Nominal			
Determined	104	12.0	12.1
17949	38	3.1	15.1
17950	26	5.6	9.2
17951	30	3.3	10.1
17952	30	7.4	12.3
17953	20	6.4	11.8
17954	36	2.8	12.9
17955	22	2.4	12.1
17955 Rpt	22	2.4	11.7
17956	38	3.1	11.7
17957	60	3.6	12.7
17958	24	7.7	14.9
17959	24	3.1	7.8



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MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
17959 Rpt	22	3.0	7.8
17960	36	1.5	3.1
17961	22	2.1	6.1
17962	28	5.2	12.5
17963	30	7.2	14.4
17964	48	4.7	14.7
17965	24	3.5	14.5
17966	20	3.8	14.1
Std Nominal	104	0.7	2.8
Determined	106	0.7	2.8
17967	14	3.7	11.8
17968	24	11.2	20.8
17969	20	6.6	15.3
17970	24	2.8	11.4
17970 Rpt	22	2.8	12.0
17971	30	2.2	10.1
17972	26	2.4	11.1
17973	38	3.2	18.2
17974	38	2.4	16.8
17975	40	2.9	17.6
17976	42	3.6	16.5
17977	14	3.6	7.1
17978	24	4.8	10.1
17979	28	6.8	11.6
17980	96	1.0	2.7
17981	32	6.7	12.2
17982	38	9.4	9.9
17983	38	6.1	9.6
17984	60	1.9	9.6
17985	84	1.9	10.1
17986	82	3.4	11.2
17987	38	2.1	7.5
17988	32	1.9	7.7
17989	48	3.9	11.0
Std Nominal	5200	0.8	2.7
Determined	5230	0.8	2.8
17990	40	3.6	18.3
17991	54	3.2	17.5
17991 Rpt	52	3.2	17.4
17992	30	3.5	8.7
17993	36	5.6	10.2
17994	38	4.1	10.8
17994 Rpt	38	4.2	11.4



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
17995	28	9.3	12.3
17996	60	2.9	11.7
17997	82	2.5	10.7
17998	60	3.8	10.4
17999	62	2.5	10.2
18000	96	1.0	2.8
150001	68	1.7	9.6
150002	50	3.8	10.1
150003	30	2.4	6.2
150004	14	1.3	4.0
150005	30	1.6	5.8
150006	30	4.3	9.7
150007	50	3.5	10.3
150008	58	3.1	10.4
150009	96	2.2	9.8
150010	44	2.4	9.8
150011	32	7.5	12.0
150012	34	6.0	18.1
150013	34	3.6	17.1
Std Nominal	92	4.2	15.6
Determined	94	4.1	16.2
150014	22	2.3	10.0
150015	28	2.2	9.2
150016	26	2.5	12.0
150017	22	2.4	9.9
150018	36	2.8	16.6
150019	42	2.5	16.5
150020	38	1.5	3.1
150021	40	2.6	17.1
150021 Rpt	42	2.7	18.0
150022	44	3.4	18.3
150022 Rpt	44	3.2	17.3
150023	24	2.6	8.7
150024	28	8.0	9.9
150025	32	4.0	9.6
150026	56	5.0	10.0
150027	90	3.4	11.4
150027 Rpt	92	3.5	10.6
150028	112	2.8	10.4
150028 Rpt	118	2.8	10.6
150029	84	3.0	10.9
150030	110	3.1	11.4
150031	56	4.8	10.9



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
150032	10	3.7	10.8
150033	16	4.5	10.4
150034	32	2.9	15.1
150035	24	1.9	8.9
Std Nominal			
Determined	70	64.1	1.9
150036	24	2.5	10.2
150037	20	1.8	7.3
150038	36	2.9	16.5
150039	40	2.5	17.2
150040	40	1.5	3.0
150041	40	2.9	17.6
150042	42	3.6	17.2
150043	16	4.8	7.7
150044	22	3.9	9.3
150045	24	9.4	10.4
150046	34	3.6	10.1
150047	40	2.2	9.9
150048	56	2.4	9.6
150049	62	2.1	10.4
150050	86	4.1	9.8
150051	70	7.1	11.0
150052	24	2.4	5.8
150053	42	3.9	21.2
150054	32	4.2	14.9
150055	38	10.2	9.8
150056	52	5.5	10.4
150057	24	5.9	10.5
150057 Rpt	22	5.8	10.4
150058	38	2.6	10.6
150059	54	2.6	9.8
Std Nominal			
Determined	102	9.8	10.8
150060	98	0.9	2.7
150061	84	2.2	9.2
150062	50	2.5	9.5
150063	42	4.8	10.9
150064	18	3.3	8.6
150065	16	2.3	5.1
150066	24	2.5	7.4
150066 Rpt	22	2.4	6.7
150067	22	3.7	8.2
150068	32	6.4	10.2



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
150069	42	4.0	10.3
150069 Rpt	38	3.9	10.0
150070	44	3.0	10.4
150071	56	2.6	10.5
150072	40	2.9	8.0
150073	10	1.4	4.9
18624	6	4.5	9.5
18625	10	7.4	10.1
18626	60	6.8	11.1
18627	84	5.8	10.6
Std Nominal	104	0.7	2.8
Determined	102	0.7	2.8
18628	38	8.9	11.1
18629	46	9.5	18.6
18630	88	4.6	13.1
18631	84	4.7	27.8
18631 Rpt	82	4.7	27.6
18632	46	4.5	21.0
18633	46	3.2	28.4
18634	38	5.3	32.3
18635	28	4.0	26.3
18636	20	1.9	10.5
18637	28	2.0	11.9
18638	20	1.3	7.0
18639	28	2.0	9.8
18640	98	1.0	2.8
150074	54	2.0	16.0
150075	42	2.0	17.9
150076	38	2.2	18.6
150077	44	3.2	18.7
Std Nominal	5200	0.8	2.7
Determined	5220	0.8	2.8
150078	34	3.7	17.9
150078 Rpt	38	3.8	18.6
18662	18	2.6	6.5
18663	10	1.9	2.9
18664	20	36.5	17.5
18665	20	32.5	12.8
18666	18	6.6	10.6
18666 Rpt	20	6.7	11.1
18667	20	6.0	12.0
18668	18	9.0	12.2
18669	16	14.4	12.2



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
18670	20	7.4	12.1
18671	22	6.8	11.6
18672	20	6.3	10.9
18673	28	5.4	8.8
18674	18	5.2	13.3
18675	24	6.3	12.7
18676	20	7.3	21.9
18677	42	4.7	27.6
18678	46	3.6	22.8
18679	44	2.6	17.5
18680	100	0.8	2.7
18681	28	2.4	15.1
18682	12	1.4	7.4
18683	30	2.4	17.4
18684	28	2.3	11.8
18685	22	1.8	10.3
18686	16	1.3	6.2
18687	14	1.5	6.7
18687 Rpt	14	1.5	6.8
18688	22	1.6	9.1
Std Nominal	92	4.2	15.6
Determined	94	4.1	15.4
150079	36	1.8	15.5
150080	36	1.6	3.0
150081	40	1.8	15.5
150082	52	2.3	15.4
150083	44	3.0	15.6
18706	52	3.7	15.2
18707	20	4.6	7.2
18708	8	2.8	2.9
18708 Rpt	8	2.8	2.8
18709	14	10.1	7.7
18710	16	5.9	11.2
18711	14	3.5	8.6
18712	56	2.9	9.3
18713	28	3.1	8.8
18714	62	2.9	9.8
18715	58	2.8	9.9
18716	52	3.1	10.2
18716 Rpt	52	3.0	9.6
18717	76	3.0	10.0
18717 Rpt	74	2.9	9.6
18718	86	3.2	9.6



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
Std Nominal			
Determined	66	62.4	1.9
18719	84	3.3	9.7
18720	Sample Not Received		
18721	100	2.9	10.2
18722	98	2.5	9.3
18723	116	2.1	9.7
18724	106	1.7	10.2
18726	12	4.0	9.9
18727	18	1.2	4.6
18728	24	1.3	5.5
18729	28	1.4	7.3
18730	40	3.3	17.5
18731	38	3.5	19.4
18732	32	3.5	19.8
18733	18	2.0	12.1
18734	14	1.0	6.2
18735	24	1.3	6.9
18736	20	1.8	11.7
18736 Rpt	18	1.8	12.0
18737	24	2.0	14.5
18738	18	1.4	8.9
18739	18	1.6	8.5
18740	40	1.5	3.1
18741	16	1.1	6.2
18741 Rpt	16	1.1	6.2
150084	48	2.0	15.7
150085	38	2.0	16.4
150086	40	2.4	15.8
150087	36	3.2	16.2
Std Nominal			
Determined	108	9.6	11.3
150088	28	13.8	15.8
150089	16	4.6	9.6
150090	54	3.5	10.3
150091	70	2.9	10.4
18775	12	1.6	5.0
18776	8	0.8	3.4
18777	18	2.2	13.4
18778	36	3.2	22.0
18779	58	4.2	27.8
18780	40	1.5	3.2
18781	40	9.4	16.7



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
18782	16	1.6	4.1
18783	10	1.6	3.7
18784	28	2.4	11.0
18785	36	2.0	10.0
18786	16	2.0	9.6
18787	28	1.5	8.0
18788	64	2.9	27.2
18789	42	2.3	19.2
18790	44	2.2	18.6
18791	36	2.5	25.5
Std Nominal	104	0.7	2.8
Determined	108	0.7	2.8
18792	36	2.5	16.4
18792 Rpt	36	2.6	16.8
18793	36	2.0	17.2
18794	44	2.6	18.6
18795	44	2.8	17.5
18796	44	2.8	16.7
18796 Rpt	46	2.8	17.0
18797	44	2.9	16.2
18798	68	3.6	16.7
18799	42	3.7	16.4
18800	96	0.9	2.8
18801	40	3.5	16.5
18802	40	3.8	17.8
18803	28	4.2	13.1
18804	24	43.1	13.2
18804 Rpt	22	43.9	13.1
150092	88	11.7	12.5
150093	62	3.5	11.4
150094	48	2.5	10.3
150095	102	2.9	11.7
150096	136	2.5	11.7
150097	146	3.2	10.8
150098	170	3.8	11.0
Std Nominal	5200	0.8	2.7
Determined	5160	0.7	2.8
150099	186	3.4	11.6
150100	100	1.0	2.8
18838	34	5.5	11.3
18839	22	8.5	11.0
18840	16	11.1	11.8
18841	20	6.3	12.5



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
18842	10	1.3	5.6
18842 Rpt	8	1.2	5.7
18843	18	1.7	11.1
18844	30	2.2	12.9
18845	32	7.0	35.0
18846	38	9.0	41.7
18847	32	7.6	39.9
18848	40	3.9	30.1
18849	42	5.2	32.4
18850	28	3.9	30.5
18851	30	3.4	31.0
18852	34	3.0	22.8
18852 Rpt	32	2.9	24.3
18853	34	3.3	27.1
18854	38	2.4	18.0
18855	36	2.3	16.9
18855 Rpt	36	2.3	17.5
18856	40	2.6	18.5
18857	54	3.3	18.1
18858	44	2.9	16.8
18859	42	3.0	16.1
Std Nominal	92	4.2	15.6
Determined	92	4.1	15.3
18860	38	1.5	3.0
18861	44	2.9	15.6
18862	36	3.2	15.6
18863	38	3.8	17.6
18864	46	4.1	18.7
18865	24	4.7	12.0
18866	20	27.9	11.7
18867	20	5.1	11.1
150101	48	3.8	10.6
150102	80	3.0	11.9
150103	62	2.0	9.8
150104	106	2.2	9.9
150105	160	2.9	11.7
150106	172	3.4	12.1
150107	148	3.7	11.9
150108	134	4.1	10.8
18902	32	6.1	12.0
18903	54	7.4	13.0
18903 Rpt	56	7.5	13.2
Std Nominal			



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
Determined	66	62.1	1.9

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.

Au,I,Pd,Pt

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