



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: **u281718**
Date Finished: 16/11/2017
Order: AU.2875062-17
Project: Wollogorang
Date Received: 30/10/2017
Samples Analysed: **264**

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
149001	4	<5	<5	0.03	80	13.6	1.29	0.22
149002	12	<5	<5	0.74	50	4.48	8.45	1.53
149003	2	<5	<5	0.60	50	10.3	4.79	4.63
149004	2	<5	<5	0.72	50	7.39	7.23	2.93
149005	6	<5	<5	0.55	30	2.16	6.79	0.82
149005 Rpt	5	<5	<5	0.55	30	2.17	6.86	0.81
11018	3	<5	<5	0.10	20	1.21	2.05	0.33
11019	5	<5	<5	0.09	40	1.83	4.01	0.61
11020	IS	IS	IS	1.69	7160	24.7	0.11	1.20
11021	20	<5	<5	0.12	70	3.70	6.18	1.37
11022	2	<5	<5	0.08	20	1.61	3.12	0.58
149006	2	<5	<5	0.07	20	0.95	2.20	0.33
149007	4	<5	<5	0.24	40	3.29	4.83	1.51
Std Nominal	52	45	45	0.10	1.70%	47.5	<0.01	1.86
Determined	51	50	45	0.11	1.51%	46.9	0.01	1.82
11031	4	<5	<5	0.26	60	5.88	7.57	2.28
11032	3	<5	<5	0.20	80	6.26	8.29	2.20
149008	2	<5	<5	3.96	40	3.77	6.41	2.85
149009	1	<5	<5	4.47	40	4.52	6.42	2.98
149010	1	<5	<5	3.80	40	4.27	6.30	2.63
11046	1	<5	<5	3.68	30	3.04	4.82	2.44
11047	3	<5	<5	3.03	20	1.59	1.72	1.60
11048	4	<5	<5	5.11	20	3.35	6.18	3.03
11049	<1	<5	<5	4.51	20	5.09	7.73	3.50
11051	1	<5	<5	5.94	20	6.22	6.12	4.40
149011	2	<5	<5	2.10	30	10.1	5.59	4.72
149011 Rpt	1	<5	<5	2.10	30	10.3	5.68	4.72
149012	3	<5	<5	2.62	20	8.67	6.43	4.10
149013	<1	<5	<5	1.14	30	7.79	7.26	3.02
149014	2	<5	<5	0.84	30	8.27	7.26	3.17
149015	3	<5	<5	1.30	20	7.52	6.71	3.24
149016	1	<5	<5	1.06	20	11.3	4.51	4.89
149017	1	<5	<5	1.20	20	12.5	4.55	5.34
149018	3	<5	<5	6.74	20	6.12	5.00	5.14
149019	4	<5	<5	5.42	30	5.37	3.88	4.24
149019 Rpt	4	<5	<5	5.51	30	5.48	3.95	4.30
149020	Cavity							
149021	2	<5	<5	3.90	<10	8.65	5.59	4.82
149022	2	<5	<5	3.63	<10	8.41	6.10	4.10
149023	2	<5	<5	1.91	<10	10.5	4.42	4.98
149024	1	<5	<5	1.97	<10	13.5	3.54	5.95
11106	1	<5	<5	0.12	20	2.45	3.20	0.29



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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
149025	13	5	<5	0.45	30	1.98	7.77	0.53
149026	7	<5	<5	0.75	50	2.73	9.82	1.25
149027	5	<5	<5	0.70	40	2.96	9.66	1.18
149028	4	<5	<5	0.77	40	2.05	10.4	0.78
149029	11	<5	<5	0.09	20	1.49	2.82	0.49
Std Nominal	1.37M			1.53	1670	9.20	0.09	19.7
Determined	1.34M	<5	<5	1.56	1340	9.21	0.10	20.0
149030	2	<5	<5	0.09	30	2.00	3.13	0.80
149031	3	<5	<5	4.12	30	2.85	3.77	2.90
149031 Rpt	1	<5	<5	4.08	30	2.83	3.71	2.85
149032	4	<5	<5	4.42	40	4.27	5.90	2.98
149033	<1	<5	<5	4.86	40	4.26	5.92	3.17
149034	2	<5	<5	4.78	30	3.87	5.89	3.05
149035	1	<5	<5	5.42	40	5.18	6.09	3.72
149036	4	<5	<5	6.79	30	4.91	6.32	4.61
149037	2	<5	<5	3.38	20	3.94	8.72	2.57
149038	1	<5	<5	2.28	20	8.78	5.49	4.12
149039	2	<5	<5	1.21	30	8.79	6.74	3.56
149040	IS	IS	IS	0.05	30	8.70	0.17	2.12
149041	2	<5	<5	0.68	30	7.96	7.40	2.81
149042	2	<5	<5	1.20	20	5.45	8.28	2.14
149043	3	<5	<5	0.76	20	5.70	9.27	1.95
149044	5	<5	<5	0.68	20	5.96	8.79	2.07
149045	4	<5	<5	0.91	60	6.35	15.2	2.35
149046	4	5	<5	3.68	20	4.42	4.90	3.13
149047	5	5	<5	2.52	20	5.35	6.94	2.71
149048	1	<5	<5	1.46	<10	9.08	5.34	4.35
149049	1	<5	<5	0.84	<10	7.83	7.23	3.03
149050	2	<5	<5	0.26	30	1.42	8.53	0.71
149050 Rpt	2	<5	<5	0.28	30	1.41	8.13	0.73
11213	7	<5	<5	0.26	40	1.34	11.0	0.70
11214	8	5	<5	0.26	30	1.43	9.53	0.65
Std Nominal	860	910	690	8.22	30	6.27	0.21	4.52
Determined	872	915	695	8.22	30	6.27	0.20	4.55
11215	1	<5	<5	0.32	40	1.78	10.6	0.77
11216	6	<5	<5	0.37	40	1.77	10.5	0.60
11217	22	<5	<5	1.12	40	2.43	9.26	0.40
11218	24	<5	<5	0.80	70	3.10	10.1	0.90
11219	29	<5	<5	0.99	40	2.02	9.43	1.05
11220	IS	IS	IS	1.73	6900	25.1	0.12	1.25
11220 Rpt	NR	NR	NR	1.70	6740	24.7	0.11	1.23
11221	6	<5	<5	0.56	40	1.83	11.1	0.52
11222	21	<5	<5	0.41	30	2.45	8.88	0.78



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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
11223	15	5	<5	0.63	40	3.51	9.91	1.93
11224	12	<5	<5	0.70	40	3.47	9.71	1.63
11225	10	<5	<5	0.62	30	3.78	8.35	1.64
11226	8	<5	<5	0.77	30	2.22	10.8	1.10
11227	12	<5	<5	0.77	30	1.55	11.7	0.61
11228	17	<5	<5	0.67	30	1.65	9.73	0.80
11229	13	<5	<5	0.88	40	2.60	8.80	1.57
11230	22	<5	<5	1.11	20	1.49	11.7	0.18
11231	32	<5	<5	1.23	40	1.07	10.6	0.23
11232	20	<5	<5	0.68	20	2.04	9.95	0.55
11233	2	<5	<5	0.09	10	0.91	1.90	0.11
11234	2	<5	<5	0.09	10	1.00	2.38	0.24
11235	5	<5	<5	0.10	20	1.45	4.00	0.31
11236	5	<5	<5	0.09	20	1.04	3.87	0.25
11237	17	<5	<5	0.10	30	1.95	6.74	0.56
11238	6	<5	<5	0.16	40	2.12	9.88	0.84
11239	4	<5	<5	0.18	20	1.73	7.96	0.52
11240	3	<5	<5	0.18	40	1.71	7.83	0.50
11241	4	<5	<5	0.32	40	1.28	7.14	0.22
Std Nominal	2.42M			5.91	230	9.63	0.60	4.05
Determined	2.46M	<5	<5	5.75	190	9.54	0.62	4.00
11242	3	<5	<5	0.20	30	1.10	9.21	0.30
11243	6	<5	<5	0.15	40	2.14	9.80	0.88
11244	9	<5	<5	0.15	50	2.44	7.63	1.01
11245	5	<5	<5	0.18	50	2.30	9.96	0.99
11246	4	<5	<5	0.21	40	2.44	9.92	0.99
11247	4	<5	<5	0.19	50	2.21	10.1	0.93
11248	1	<5	<5	0.19	50	2.85	9.49	1.17
11249	3	<5	<5	0.19	50	3.12	9.03	1.34
11250	5	<5	<5	0.20	50	2.71	9.92	1.13
11251	3	<5	<5	0.19	50	3.31	9.78	1.37
11251 Rpt	3	<5	<5	0.19	50	3.28	9.40	1.36
11252	1	<5	<5	0.19	50	3.57	9.52	1.51
11253	4	<5	<5	0.19	40	3.86	8.39	1.55
11253 Rpt	2	<5	<5	0.20	50	3.98	8.11	1.61
11254	3	<5	<5	0.20	50	4.26	9.31	1.70
11255	5	<5	<5	0.22	50	4.29	9.03	1.67
11256	3	<5	<5	0.43	50	3.98	9.19	1.49
11257	3	<5	<5	1.57	20	3.30	9.34	1.17
11258	7	<5	<5	0.64	30	3.54	9.72	0.85
11259	5	<5	<5	0.62	30	1.97	10.2	0.46
11260	IS	IS	IS	0.06	50	9.14	0.20	2.19
11260 Rpt	NR	NR	NR	0.06	50	8.85	0.17	2.15



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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
11261	6	<5	<5	0.56	30	1.82	8.09	0.47
11262	6	<5	<5	0.57	20	2.01	10.6	0.72
11263	3	<5	<5	0.61	20	3.20	9.83	1.17
11263 Rpt	4	<5	<5	0.66	20	3.25	9.66	1.20
11264	3	<5	<5	0.69	20	4.00	9.37	1.47
11265	4	<5	<5	0.66	30	3.98	8.76	1.16
11266	6	<5	<5	0.77	30	3.34	9.82	1.04
11267	8	<5	<5	0.72	30	2.93	10.1	1.02
Std Nominal	4.94M			0.58	10	1.47	4.16	0.03
Determined	4.84M	<5	<5	0.58	<10	1.42	4.18	0.02
11268	5	<5	<5	0.63	20	2.60	7.46	0.85
11269	3	<5	<5	0.61	30	4.51	9.66	0.82
11270	6	<5	<5	0.43	30	2.33	7.87	0.78
11271	6	<5	<5	0.60	20	3.48	10.2	0.98
11272	3	<5	<5	0.30	20	4.01	6.28	1.36
11273	4	<5	<5	0.57	30	3.98	9.48	1.34
11274	3	<5	<5	0.73	40	3.95	5.28	1.65
11275	<1	<5	<5	2.74	30	2.56	3.29	2.08
149051	<1	<5	<5	3.66	40	3.31	4.56	2.79
149052	1	<5	<5	3.33	40	3.07	4.10	2.49
149053	2	<5	<5	4.03	40	3.72	5.37	2.95
149054	2	<5	<5	3.78	40	3.91	2.97	2.89
149055	3	<5	<5	3.92	40	4.17	5.40	2.86
149056	<1	<5	<5	3.67	40	4.46	5.51	2.63
149057	<1	<5	<5	3.45	20	8.47	3.95	4.13
149058	<1	<5	<5	2.95	20	10.7	5.37	4.82
149059	<1	<5	<5	2.50	40	10.6	5.20	5.26
149060	IS	IS	IS	1.74	7330	24.7	0.12	1.22
149061	1	<5	<5	0.09	160	14.4	1.74	0.26
11316	1	<5	<5	0.21	40	1.35	9.83	0.65
11317	1	<5	<5	0.23	40	1.07	10.5	0.53
11318	<1	<5	<5	0.22	50	1.35	10.3	0.59
11319	<1	<5	<5	0.24	40	1.22	10.4	0.59
11320	<1	<5	<5	0.24	40	1.23	10.4	0.60
Std Nominal	52	45	45	2.48	170	8.65	2.35	1.71
Determined	53	50	50	2.48	160	8.51	2.35	1.70
11321	1	<5	<5	0.25	40	1.25	10.3	0.64
11322	1	<5	<5	0.23	50	1.60	10.1	0.74
11323	2	<5	<5	0.22	50	2.78	9.90	0.91
11324	3	<5	<5	0.25	50	2.17	9.74	0.99
11325	1	<5	<5	0.30	50	2.36	9.96	0.92
11326	4	<5	<5	0.29	40	2.86	9.69	1.04
11327	1	<5	<5	0.30	40	2.25	9.88	0.95



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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
11328	21	<5	<5	1.82	50	2.37	10.2	0.42
11329	7	<5	<5	0.66	40	2.49	10.2	0.79
11330	6	<5	<5	0.74	40	1.71	10.2	0.82
11330 Rpt	6	<5	<5	0.73	30	1.70	10.1	0.80
149062	11	<5	<5	0.55	70	2.90	9.61	1.13
149063	15	<5	<5	0.80	40	2.44	10.2	1.37
149064	4	<5	<5	0.77	30	1.12	10.3	0.38
11344	7	<5	<5	0.16	30	2.07	7.47	0.95
11345	4	<5	<5	0.22	50	2.71	9.57	1.49
11345 Rpt	4	<5	<5	0.21	60	2.67	9.41	1.45
11346	10	10	20	0.31	70	4.97	8.64	2.55
11347	2	<5	5	0.23	50	5.75	8.04	3.03
11348	1	<5	<5	0.13	50	5.27	7.10	2.51
11349	<1	<5	<5	0.17	40	2.91	5.62	1.28
11350	<1	<5	<5	0.19	40	1.85	9.96	0.77
11351	1	<5	<5	0.19	50	1.93	10.2	0.76
11351 Rpt	1	<5	<5	0.18	40	1.86	10.1	0.75
11352	1	<5	<5	0.19	40	1.79	10.1	0.75
11353	<1	<5	<5	0.19	50	1.87	9.96	0.80
11354	1	<5	<5	0.20	50	2.20	9.70	0.89
11355	<1	<5	<5	0.19	50	3.13	9.51	1.22
11356	2	<5	<5	0.20	40	2.98	9.30	0.93
11357	<1	<5	<5	0.21	60	2.96	9.51	1.12
Std Nominal	1.37M			0.54	90	0.18	<0.01	26.6
Determined	1.40M	<5	<5	0.55	40	0.16	0.01	27.0
11358	5	<5	<5	0.21	50	3.24	9.40	1.38
11359	2	<5	<5	0.21	50	3.32	9.29	1.21
11360	IS	IS	IS	0.06	40	8.86	0.19	2.12
11361	2	<5	5	0.33	50	2.58	9.78	0.99
11362	<1	<5	<5	0.95	20	2.43	9.71	1.07
11363	1	<5	<5	0.72	20	2.76	9.86	1.04
11363 Rpt	1	<5	<5	0.72	20	2.76	9.83	1.04
11364	4	<5	<5	0.43	50	4.67	8.73	1.69
11365	6	5	5	0.40	60	6.58	8.27	1.49
11366	14	15	10	0.38	50	5.22	8.83	1.36
11367	2	5	5	0.29	70	6.85	8.14	2.27
11368	4	10	5	7.42	50	6.24	5.37	5.55
11369	1	<5	<5	2.38	50	6.37	6.89	3.46
11370	<1	<5	<5	0.72	60	7.18	5.10	3.02
11371	<1	<5	<5	7.95	30	5.76	4.90	5.73
11372	2	<5	<5	4.80	40	4.85	4.87	4.05
11373	2	<5	<5	5.13	40	6.11	6.15	4.69
11374	1	<5	<5	6.96	40	5.97	5.50	5.38



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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
11375	<1	<5	<5	4.94	40	6.02	4.87	3.95
11375 Rpt	<1	<5	<5	4.99	30	6.15	4.91	4.03
11376	<1	<5	<5	6.09	30	6.97	5.15	4.90
11377	<1	<5	<5	5.53	50	7.47	5.89	4.77
11377 Rpt	1	<5	<5	5.51	40	7.46	5.81	4.64
11378	4	<5	<5	3.59	40	6.12	5.27	3.20
11379	<1	<5	<5	7.21	40	6.25	5.45	5.36
11380	IS	IS	IS	1.70	6640	25.0	0.11	1.23
11381	1	<5	<5	4.89	60	5.27	4.36	3.79
11382	<1	<5	<5	3.62	50	4.48	5.26	2.82
11383	<1	<5	<5	2.78	40	5.18	5.95	2.49
11384	<1	<5	<5	3.49	40	3.26	5.22	2.79
Std Nominal	860	910	690	0.20	2600	11.9	0.01	26.5
Determined	858	900	675	0.21	2290	11.8	0.02	26.8
11385	<1	<5	<5	3.46	30	3.02	5.12	2.85
11386	1	<5	<5	3.04	40	3.58	5.05	2.67
11387	1	<5	<5	3.36	30	4.08	5.50	2.90
11388	9	<5	<5	5.55	50	4.37	6.19	3.85
11389	2	<5	<5	4.14	40	3.57	5.08	2.99
149065	1	<5	<5	4.64	30	4.21	5.14	3.11
149066	1	<5	<5	3.77	30	3.53	4.28	2.46
149067	3	<5	<5	4.21	20	4.44	5.40	2.76
149068	<1	<5	<5	2.80	20	9.27	5.86	4.71
149069	<1	<5	<5	4.42	20	9.64	5.36	4.77
149070	<1	<5	<5	3.35	30	6.83	5.29	3.42
149071	2	<5	<5	3.52	30	4.35	4.81	2.82
11422	2	<5	<5	0.25	50	5.74	6.57	0.66
11423	3	<5	<5	0.38	50	1.71	8.88	0.60
11424	3	<5	<5	1.00	50	1.86	7.54	0.43
11425	5	<5	<5	1.64	40	1.77	10.4	0.32
11426	9	<5	<5	1.29	40	2.84	10.3	0.28
11427	1	<5	<5	2.20	30	1.45	10.7	0.11
11428	11	<5	<5	1.25	30	2.46	10.5	0.30
11429	5	<5	<5	1.26	30	1.85	10.1	1.00
11430	6	<5	<5	0.79	50	3.07	9.68	1.00
11431	6	<5	<5	1.37	50	1.81	7.35	0.57
11432	3	<5	<5	1.20	50	2.22	8.22	0.55
11433	3	<5	<5	2.30	50	2.03	3.63	0.35
11434	8	<5	<5	0.96	60	1.81	5.13	0.59
11435	11	<5	<5	0.64	50	2.64	9.73	0.93
11436	13	<5	<5	0.59	40	3.60	8.22	1.38
11437	9	<5	<5	0.69	50	3.67	8.86	1.98
11438	6	<5	<5	0.68	30	1.83	10.5	0.70



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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
Std Nominal	2.42M			14.0	180	7.52	0.02	7.83
Determined	2.38M	<5	<5	14.3	120	7.44	0.03	7.85
11439	11	<5	<5	0.73	30	2.40	10.8	0.35
11440	IS	IS	IS	0.06	30	8.90	0.20	2.18
11441	3	<5	<5	0.82	40	1.31	10.6	0.47
11441 Rpt	2	<5	<5	0.84	30	1.30	10.7	0.46
11442	4	<5	<5	0.80	30	1.44	10.9	0.35
11443	29	<5	<5	0.93	20	1.15	11.1	0.26
11444	12	<5	<5	1.05	30	1.67	10.6	0.31
11445	10	<5	<5	1.38	40	2.37	10.7	0.37
11446	8	<5	<5	0.32	60	4.02	9.08	1.66
11447	6	<5	10	0.23	60	2.98	9.81	1.29
11447 Rpt	5	<5	10	0.23	60	2.91	9.75	1.30
11448	1	<5	<5	0.17	40	1.93	10.2	1.01
11449	<1	<5	<5	0.16	40	1.79	9.96	0.91
11450	1	<5	<5	0.19	40	2.61	9.52	1.07
11451	<1	<5	<5	0.21	50	2.78	9.57	1.22
11452	1	<5	<5	0.19	50	1.99	9.87	0.94
11453	7	5	10	0.20	50	2.60	9.39	1.01
11454	2	<5	<5	0.21	60	3.82	9.25	1.44
11455	<1	<5	<5	0.22	50	5.08	8.82	1.79
11456	1	<5	<5	0.20	60	6.61	8.37	1.95
11457	2	<5	<5	0.21	50	5.86	8.62	1.98
11458	1	<5	<5	0.21	50	5.24	8.81	1.71
11459	4	<5	10	0.23	50	4.09	9.52	1.04
11459 Rpt	4	<5	10	0.23	60	3.98	9.40	1.05
11460	4	<5	10	0.23	60	4.00	9.51	1.03
11461	8	<5	5	0.21	50	4.10	9.52	0.94
11462	3	<5	<5	0.50	50	2.44	10.2	0.82
Std Nominal	4.94M			0.10	1.70%	47.5	<0.01	1.86
Determined	4.81M	<5	<5	0.11	1.51%	47.6	0.02	1.83
11463	13	5	<5	0.17	50	2.71	10.3	0.92
11463 Rpt	12	5	<5	0.19	50	2.68	10.4	0.93
11464	25	15	10	0.17	50	4.87	9.59	1.26
11465	73	40	60	0.16	50	9.61	7.34	2.40
11466	52	55	115	0.16	60	6.60	8.19	1.93
11467	14	10	10	0.25	60	6.04	8.83	1.52
11468	2	5	<5	0.29	50	7.14	7.42	2.35
11469	2	<5	<5	0.28	60	7.59	7.62	2.75
11470	3	<5	<5	0.30	50	8.40	7.57	2.67
11471	1	<5	<5	0.23	60	9.83	7.14	2.37
11472	1	<5	<5	0.58	50	6.91	7.01	2.80
11473	<1	<5	<5	4.77	30	4.59	4.48	3.83



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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
11474	1	<5	<5	5.45	40	5.53	6.44	4.57
11475	<1	<5	<5	7.58	30	5.60	5.47	5.48
11476	1	<5	<5	5.34	40	4.80	4.23	4.22
11477	1	<5	<5	4.64	20	3.16	4.85	3.33
11477 Rpt	1	<5	<5	4.63	30	3.12	4.80	3.31
11050	1	<5	<5	4.33	20	6.30	7.67	3.19
Std Nominal	52	45	45	1.53	1670	9.20	0.09	19.7
Determined	51	45	45	1.54	1330	9.29	0.10	19.7



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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
149001	2090	0.03	600	50	315	<0.5	182	317
149002	244	0.04	3050	50	265	<0.5	47	1280
149003	198	0.02	2400	<50	255	<0.5	13	942
149004	114	0.03	2850	50	245	<0.5	17	1060
149005	52	0.05	2250	150	105	<0.5	12	776
149005 Rpt	52	0.05	2200	100	110	<0.5	13	769
11018	86	0.04	350	300	25	<0.5	4	231
11019	62	0.05	450	100	40	<0.5	47	344
11020	1290	0.33	100	750	145	<0.5	17	132
11021	62	0.07	450	1.16%	80	<0.5	33	470
11022	60	0.05	450	1650	30	<0.5	42	264
149006	60	0.04	250	300	20	<0.5	13	234
149007	168	0.06	400	750	50	0.5	19	460
Std Nominal	5810	<0.01	50	1900	125	<0.5	2	38
Determined	5770	<0.01	100	1950	130	0.5	3	38
11031	138	0.07	800	350	95	<0.5	3	626
11032	98	0.08	850	450	110	<0.5	4	654
149008	1530	0.07	500	300	60	<0.5	3	427
149009	1870	0.07	600	150	70	<0.5	4	394
149010	1650	0.06	650	250	75	<0.5	4	419
11046	1590	0.06	450	1650	65	<0.5	10	338
11047	1380	0.04	200	1600	30	<0.5	38	185
11048	1970	0.04	1900	2900	210	<0.5	25	389
11049	1610	0.03	2000	1000	240	<0.5	5	902
11051	2260	0.02	1800	2000	215	<0.5	23	477
149011	666	0.02	2350	1050	290	<0.5	13	446
149011 Rpt	664	0.02	2450	1000	300	<0.5	12	442
149012	1130	0.03	2300	1000	280	<0.5	4	568
149013	346	0.02	2550	1950	270	<0.5	12	542
149014	130	0.03	2650	2000	320	<0.5	27	639
149015	368	0.03	2500	1850	260	<0.5	7	656
149016	292	0.02	2400	1050	290	<0.5	10	495
149017	278	0.02	2850	1700	315	<0.5	18	576
149018	2700	0.04	1450	2700	170	<0.5	9	457
149019	2370	0.06	350	2450	75	<0.5	5	409
149019 Rpt	2440	0.06	400	2400	75	<0.5	6	411
149020	Cavity							
149021	1500	0.02	2550	400	240	<0.5	14	559
149022	1460	0.03	2250	1050	230	<0.5	8	444
149023	666	0.02	2700	1700	245	0.5	10	340
149024	630	0.02	2800	1150	270	0.5	11	384
11106	168	0.04	300	200	65	<0.5	42	392
149025	74	0.06	1800	200	120	<0.5	88	923



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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
149026	52	0.04	3000	150	190	<0.5	51	1010
149027	38	0.04	2600	150	190	0.5	55	952
149028	48	0.06	2900	<50	120	<0.5	61	1160
149029	66	0.04	350	650	25	<0.5	29	278
Std Nominal	996	0.09	150	3.11%	40	<0.5	25	17
Determined	990	0.10	100	3.06%	45	<0.5	26	18
149030	80	0.05	250	1350	35	<0.5	28	311
149031	1520	0.05	350	950	40	<0.5	9	310
149031 Rpt	1520	0.05	300	900	35	<0.5	9	306
149032	1820	0.06	500	250	60	<0.5	3	389
149033	1830	0.07	400	250	65	<0.5	5	391
149034	1900	0.06	450	300	65	<0.5	4	397
149035	2250	0.06	600	350	85	<0.5	3	428
149036	2120	0.05	1600	1550	200	<0.5	8	498
149037	886	0.03	2400	1500	205	<0.5	9	565
149038	774	0.03	2600	2500	275	<0.5	20	568
149039	278	0.03	2750	1750	330	<0.5	12	564
149040	86	0.01	250	8.39%	15	2.5	3060	17
149041	78	0.02	2550	3350	340	<0.5	28	648
149042	240	0.03	2600	3050	275	0.5	37	762
149043	72	0.03	2950	2950	250	0.5	278	888
149044	60	0.03	2800	2400	260	0.5	301	804
149045	134	0.11	3700	7400	290	1.0	391	1440
149046	1050	0.08	650	6450	80	0.5	84	578
149047	786	0.05	2050	2000	165	<0.5	32	777
149048	404	0.03	2700	700	245	<0.5	13	470
149049	100	0.02	3150	2100	230	<0.5	17	569
149050	90	0.09	950	100	70	0.5	290	806
149050 Rpt	88	0.08	900	100	70	<0.5	285	782
11213	50	0.11	1200	50	70	1.0	160	931
11214	44	0.09	1000	50	85	1.0	227	785
Std Nominal	1390	1.82	100	100	220	<0.5	1	102
Determined	1400	1.80	100	100	215	<0.5	1	98
11215	54	0.11	1450	150	65	1.0	177	1040
11216	44	0.10	1650	50	60	1.5	358	1030
11217	42	0.06	4900	250	85	1.5	518	1310
11218	22	0.04	3450	250	215	2.0	458	1550
11219	24	0.04	4250	250	120	2.0	316	1010
11220	1330	0.34	100	700	150	<0.5	19	142
11220 Rpt	1310	0.34	100	750	145	<0.5	18	139
11221	18	0.06	2350	100	110	3.5	255	1190
11222	14	0.04	1750	200	180	2.5	54	903
11223	30	0.04	2800	300	270	1.5	67	1000



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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
11224	34	0.04	3100	100	190	1.0	147	970
11225	60	0.03	2700	250	160	0.5	250	807
11226	34	0.05	3500	100	105	1.0	124	871
11227	28	0.05	3200	150	105	0.5	68	998
11228	28	0.04	2650	100	100	1.0	113	899
11229	38	0.03	3450	150	240	2.0	89	827
11230	46	0.05	4350	250	85	0.5	70	972
11231	50	0.04	4600	100	100	1.0	31	1030
11232	96	0.09	2950	100	100	1.0	92	1170
11233	82	0.04	400	200	20	<0.5	37	236
11234	64	0.04	350	200	20	<0.5	45	263
11235	74	0.05	300	150	40	0.5	165	358
11236	78	0.05	450	150	35	0.5	74	367
11237	72	0.07	500	5800	60	1.0	271	499
11238	44	0.09	550	6550	90	1.0	355	706
11239	58	0.10	850	4400	65	1.5	373	697
11240	60	0.10	850	4350	70	1.5	378	703
11241	64	0.12	1450	1700	45	1.5	173	774
Std Nominal	1070	2.15	1300	1.74%	155	0.5	13	239
Determined	1080	2.18	1250	1.72%	150	0.5	12	234
11242	56	0.18	1000	1.50%	40	1.0	189	878
11243	48	0.10	650	1.57%	70	1.5	313	750
11244	58	0.09	650	1.40%	75	2.0	184	681
11245	52	0.10	800	1.03%	75	1.5	87	731
11246	48	0.10	950	9850	85	1.5	113	770
11247	48	0.09	800	1.02%	90	1.5	235	711
11248	52	0.09	800	7800	85	2.5	74	771
11249	60	0.09	800	5950	90	1.0	72	708
11250	58	0.09	900	9250	90	1.5	94	737
11251	72	0.09	800	9750	85	1.0	88	608
11251 Rpt	72	0.09	900	9800	90	1.0	81	629
11252	78	0.09	850	6400	100	1.5	68	687
11253	78	0.09	750	6100	100	1.5	49	713
11253 Rpt	82	0.09	800	6050	105	1.0	52	688
11254	82	0.09	900	4800	115	1.0	44	694
11255	68	0.09	750	6500	125	1.5	64	760
11256	56	0.09	1800	6000	160	1.0	102	822
11257	36	0.04	6350	1.05%	190	1.5	131	704
11258	30	0.04	2550	2.56%	140	3.5	563	998
11259	34	0.04	2300	1.22%	55	2.0	340	801
11260	88	0.01	250	8.51%	15	3.0	2920	19
11260 Rpt	86	<0.01	200	8.34%	15	2.5	2980	18
11261	28	0.04	2500	1.18%	60	2.0	286	585



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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
11262	28	0.04	2700	7900	105	1.5	396	844
11263	38	0.03	2750	7250	180	1.0	167	847
11263 Rpt	40	0.04	2900	7300	180	1.5	183	842
11264	44	0.04	2950	1.06%	210	1.5	262	779
11265	36	0.03	2600	1.66%	150	3.0	347	790
11266	34	0.04	2950	8800	140	1.5	203	663
11267	34	0.04	2600	6100	145	1.5	201	756
Std Nominal	160	2.49	100	200	<5	<0.5	17	118
Determined	156	2.45	100	250	<5	<0.5	18	118
11268	30	0.04	2450	6450	100	1.5	121	713
11269	36	0.04	2900	3.06%	125	1.5	164	820
11270	32	0.04	2650	6800	95	1.0	118	699
11271	34	0.04	2900	1.42%	105	1.0	95	818
11272	62	0.04	1400	7700	105	0.5	58	493
11273	50	0.05	2500	9550	125	1.0	76	736
11274	242	0.05	1050	1950	90	<0.5	11	489
11275	876	0.04	500	800	45	<0.5	5	317
149051	1180	0.05	650	800	55	<0.5	3	421
149052	1000	0.06	650	250	55	<0.5	2	444
149053	1310	0.05	950	400	75	<0.5	3	476
149054	1340	0.05	800	300	75	<0.5	3	471
149055	1390	0.05	800	450	85	<0.5	3	420
149056	1620	0.06	500	150	60	<0.5	4	377
149057	1240	0.03	1850	800	210	<0.5	5	366
149058	1480	0.03	2200	300	255	<0.5	2	332
149059	1320	0.03	2350	600	275	<0.5	2	353
149060	1310	0.34	100	750	150	<0.5	17	136
149061	3580	0.03	950	250	345	<0.5	287	341
11316	86	0.09	1050	200	80	0.5	192	886
11317	58	0.09	1000	250	65	1.0	181	858
11318	62	0.10	900	50	85	0.5	273	927
11319	68	0.10	1000	200	85	0.5	290	892
11320	68	0.10	1100	150	85	0.5	310	895
Std Nominal	1180	1.30	600	1.97%	120	6.0	100	132
Determined	1210	1.30	650	1.99%	120	6.0	102	139
11321	80	0.10	1150	400	80	1.0	219	882
11322	56	0.10	1100	200	80	1.0	354	984
11323	56	0.10	1100	50	95	0.5	488	1020
11324	48	0.10	1150	100	100	<0.5	62	984
11325	42	0.10	1450	50	90	0.5	75	1040
11326	44	0.09	1250	100	100	0.5	114	1000
11327	54	0.10	1300	100	130	<0.5	33	1120
11328	320	0.06	6750	200	140	2.0	554	1520



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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
11329	24	0.04	2900	50	180	1.5	143	1070
11330	24	0.04	3150	200	135	1.5	123	1350
11330 Rpt	22	0.04	3100	150	135	1.5	120	1360
149062	22	0.03	2200	150	190	2.5	278	936
149063	44	0.04	3500	50	160	1.5	419	812
149064	38	0.05	3200	100	105	1.0	120	973
11344	116	0.09	800	250	100	0.5	153	687
11345	62	0.10	1000	200	130	0.5	119	902
11345 Rpt	64	0.10	1100	200	125	0.5	118	919
11346	72	0.15	1450	5150	170	1.0	84	1100
11347	78	0.11	1100	4050	130	<0.5	23	894
11348	72	0.07	650	4650	85	<0.5	20	738
11349	66	0.06	550	2950	60	<0.5	22	562
11350	42	0.09	900	6600	85	1.0	173	771
11351	46	0.09	1050	6300	90	1.0	184	714
11351 Rpt	44	0.09	1000	6200	90	1.0	176	738
11352	48	0.09	900	7250	80	1.0	202	754
11353	48	0.10	800	6700	80	1.0	170	749
11354	52	0.09	900	9200	95	1.0	302	751
11355	56	0.09	900	7200	95	0.5	101	782
11356	50	0.09	900	1.52%	95	1.0	163	721
11357	52	0.09	950	7700	95	1.0	124	757
Std Nominal	80	<0.01	<50	100	5	<0.5	<1	<1
Determined	78	<0.01	50	150	<5	<0.5	1	2
11358	52	0.08	800	7750	105	1.0	177	754
11359	52	0.09	950	1.16%	115	1.0	225	736
11360	88	<0.01	250	8.31%	10	3.0	3060	17
11361	50	0.11	1400	4900	150	0.5	98	245
11362	48	0.04	3850	1700	205	<0.5	124	719
11363	46	0.05	3200	250	190	0.5	139	1030
11363 Rpt	44	0.05	3250	250	185	<0.5	145	980
11364	62	0.06	2000	150	180	<0.5	143	782
11365	186	0.06	1450	200	175	1.0	1180	678
11366	408	0.06	1400	150	170	1.0	498	721
11367	236	0.07	1350	1500	165	<0.5	89	726
11368	2440	0.05	1350	1450	105	<0.5	13	510
11369	860	0.06	1100	1700	120	<0.5	11	709
11370	314	0.07	1000	550	125	<0.5	10	646
11371	2810	0.05	600	2500	75	<0.5	4	504
11372	1590	0.05	500	5850	65	0.5	3	518
11373	1690	0.06	850	2000	90	<0.5	5	596
11374	2380	0.06	750	250	75	<0.5	3	566
11375	1650	0.05	700	400	70	<0.5	4	492



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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
11375 Rpt	1690	0.05	700	450	65	<0.5	4	483
11376	2020	0.05	650	250	70	<0.5	4	493
11377	1850	0.06	800	200	85	<0.5	5	538
11377 Rpt	1840	0.06	850	150	80	<0.5	4	573
11378	1190	0.05	700	700	70	<0.5	3	501
11379	2440	0.05	700	650	75	<0.5	4	520
11380	1320	0.34	100	750	150	<0.5	17	134
11381	1560	0.05	600	1250	70	<0.5	18	467
11382	1110	0.06	650	200	65	<0.5	3	484
11383	876	0.05	650	600	80	<0.5	6	489
11384	1050	0.05	550	250	65	<0.5	3	454
Std Nominal	1710	0.03	<50	100	40	<0.5	<1	2
Determined	1720	0.02	50	50	45	<0.5	1	3
11385	1060	0.06	650	250	65	<0.5	2	442
11386	938	0.05	550	350	65	<0.5	2	483
11387	1090	0.05	1050	550	95	<0.5	2	468
11388	1730	0.05	1450	450	125	<0.5	2	527
11389	1440	0.05	800	450	100	<0.5	4	433
149065	1810	0.06	700	550	80	<0.5	4	369
149066	1470	0.06	500	900	60	<0.5	25	331
149067	1720	0.04	1400	1850	165	<0.5	13	448
149068	868	0.03	2400	750	280	<0.5	4	422
149069	1690	0.03	2200	1000	245	<0.5	8	466
149070	1250	0.04	1550	600	165	<0.5	2	433
149071	1330	0.05	900	450	100	<0.5	3	361
11422	302	0.09	1650	100	120	1.0	172	946
11423	150	0.10	2700	<50	85	0.5	147	973
11424	62	0.07	4550	100	125	<0.5	217	1300
11425	98	0.04	4650	50	120	1.0	168	2260
11426	304	0.04	4300	50	125	1.0	324	1930
11427	58	0.05	5100	50	80	<0.5	73	748
11428	548	0.05	4500	50	80	1.0	326	1080
11429	40	0.04	3550	100	110	1.0	45	1260
11430	24	0.04	3300	100	185	1.5	123	899
11431	30	0.06	3900	50	135	0.5	115	848
11432	20	0.04	4900	50	200	<0.5	120	771
11433	38	0.05	6150	<50	140	<0.5	128	625
11434	70	0.07	4250	100	160	1.0	212	871
11435	24	0.04	2800	100	260	2.0	84	1040
11436	24	0.03	2400	<50	220	1.0	62	600
11437	54	0.03	2850	<50	230	1.0	90	870
11438	38	0.05	2900	50	110	1.5	128	962
Std Nominal	1510	0.19	50	<50	230	<0.5	1	14



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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	1550	0.20	100	50	230	<0.5	1	15
11439	44	0.05	3000	100	110	1.5	362	756
11440	90	0.01	250	8.45%	10	2.5	2980	25
11441	22	0.05	2800	150	145	1.0	54	852
11441 Rpt	20	0.05	2700	100	150	1.0	56	833
11442	22	0.05	3250	100	105	1.5	157	953
11443	42	0.05	3750	200	95	2.0	168	1010
11444	62	0.05	4000	<50	110	3.5	286	646
11445	92	0.07	4950	350	120	3.0	314	1060
11446	108	0.10	1350	250	240	0.5	148	826
11447	102	0.14	1000	200	180	1.0	66	965
11447 Rpt	98	0.13	950	250	175	0.5	61	973
11448	82	0.10	750	300	130	<0.5	28	762
11449	52	0.09	700	100	115	<0.5	15	728
11450	56	0.09	800	150	110	<0.5	39	746
11451	50	0.09	850	150	115	<0.5	38	729
11452	48	0.09	850	250	110	<0.5	41	675
11453	728	0.09	900	150	125	1.0	535	636
11454	328	0.09	950	200	125	<0.5	186	719
11455	66	0.08	950	900	115	<0.5	114	735
11456	156	0.08	950	1.08%	125	<0.5	255	724
11457	150	0.08	950	5600	135	<0.5	142	717
11458	62	0.08	850	6100	165	<0.5	207	703
11459	750	0.09	950	700	190	<0.5	524	665
11459 Rpt	750	0.09	1000	700	185	<0.5	538	683
11460	712	0.09	1000	600	185	<0.5	551	700
11461	528	0.08	1000	200	215	0.5	676	671
11462	134	0.06	2150	250	180	1.0	149	687
Std Nominal	5810	<0.01	50	1900	125	<0.5	2	38
Determined	5870	<0.01	50	1950	130	<0.5	3	39
11463	88	0.06	750	<50	185	1.5	147	665
11463 Rpt	90	0.06	700	50	180	1.5	134	663
11464	50	0.07	750	200	230	1.0	359	702
11465	68	0.06	850	100	285	0.5	469	518
11466	358	0.04	850	250	255	0.5	531	585
11467	66	0.07	1050	150	210	0.5	700	746
11468	588	0.07	1100	200	160	<0.5	185	664
11469	132	0.07	1100	300	145	<0.5	81	687
11470	114	0.06	1200	3350	130	<0.5	118	663
11471	116	0.06	1000	4450	125	<0.5	345	675
11472	224	0.07	1000	1600	120	<0.5	11	678
11473	1500	0.05	550	1500	60	<0.5	6	395
11474	1710	0.06	750	1600	80	<0.5	6	547



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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
11475	2540	0.05	800	2350	75	<0.5	5	471
11476	1650	0.05	600	3300	50	<0.5	6	415
11477	1360	0.05	600	1000	45	<0.5	3	419
11477 Rpt	1350	0.05	650	950	45	<0.5	3	401
11050	1550	0.03	2050	1200	240	<0.5	8	514
Std Nominal	996	0.09	150	3.11%	40	<0.5	25	17
Determined	990	0.10	100	3.06%	40	<0.5	25	18



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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
149001	0.7	<0.5	380	774	30.5	6.5	100	35
149002	1.9	<0.5	520	504	31.0	3.0	278	20
149003	0.3	<0.5	70	64	63.5	4.0	80	8
149004	0.3	<0.5	80	136	40.5	3.5	76	7
149005	0.4	<0.5	80	1140	11.0	2.0	108	9
149005 Rpt	0.4	<0.5	80	1160	10.5	3.5	110	9
11018	0.1	<0.5	30	688	5.0	3.5	66	4
11019	0.7	<0.5	85	3720	12.0	5.0	134	8
11020	<0.1	<0.5	440	78	11.5	0.5	5000	8
11021	1.1	<0.5	470	5400	25.5	5.0	294	16
11022	0.6	<0.5	570	1250	10.0	2.5	346	8
149006	0.7	<0.5	150	374	8.0	2.0	128	6
149007	0.3	<0.5	180	148	19.5	1.0	84	8
Std Nominal	<0.1	<0.5	750	26	3.0	1.0	1.48%	3
Determined	<0.1	<0.5	760	26	3.0	1.5	1.48%	4
11031	0.3	<0.5	45	38	23.0	0.5	60	8
11032	0.3	<0.5	20	28	23.5	2.0	62	10
149008	0.3	<0.5	20	14	12.0	1.0	26	9
149009	0.3	<0.5	15	18	13.0	1.0	24	10
149010	0.3	<0.5	20	42	10.5	1.0	24	10
11046	0.8	<0.5	45	22	9.5	2.0	16	9
11047	0.6	<0.5	30	22	7.0	15.0	12	6
11048	0.3	<0.5	25	14	35.0	3.0	20	6
11049	<0.1	<0.5	120	276	48.5	0.5	18	4
11051	0.4	<0.5	130	18	25.0	0.5	26	7
149011	0.2	<0.5	55	10	33.5	<0.5	34	4
149011 Rpt	0.1	<0.5	60	8	35.0	0.5	32	4
149012	0.2	<0.5	110	12	30.5	0.5	60	6
149013	<0.1	<0.5	130	52	30.5	<0.5	130	4
149014	0.1	<0.5	115	24	32.5	<0.5	66	6
149015	0.3	<0.5	90	26	30.0	0.5	84	8
149016	<0.1	<0.5	80	46	51.0	1.0	58	9
149017	0.3	<0.5	130	18	62.0	0.5	102	37
149018	0.2	<0.5	80	1120	21.5	1.0	60	43
149019	0.1	<0.5	165	1170	16.5	1.0	114	9
149019 Rpt	<0.1	<0.5	170	1190	17.5	1.0	112	9
149020	Cavity							
149021	0.6	<0.5	65	32	28.5	0.5	36	15
149022	0.2	<0.5	80	14	21.0	0.5	34	6
149023	<0.1	<0.5	160	136	43.0	<0.5	38	6
149024	0.1	<0.5	50	26	51.0	<0.5	36	7
11106	0.2	<0.5	50	316	9.0	2.0	56	10
149025	0.6	<0.5	240	906	17.0	5.5	166	18



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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
149026	0.8	<0.5	300	536	22.0	7.0	240	28
149027	0.6	<0.5	540	566	23.5	8.0	288	13
149028	1.2	<0.5	180	1740	11.0	2.0	232	13
149029	0.3	<0.5	95	1040	11.0	2.0	118	9
Std Nominal	0.9	<0.5	285	876	11.0	1.0	1.41%	5
Determined	0.9	<0.5	285	868	10.5	1.0	1.42%	5
149030	0.4	<0.5	280	946	11.0	1.0	162	9
149031	0.3	<0.5	200	76	11.5	1.0	84	7
149031 Rpt	0.3	<0.5	195	74	10.5	1.0	82	7
149032	0.4	<0.5	20	12	10.5	0.5	40	10
149033	0.4	<0.5	10	12	12.5	1.0	50	10
149034	0.3	<0.5	20	6	12.0	0.5	36	10
149035	0.3	<0.5	30	10	11.5	0.5	34	9
149036	0.6	<0.5	40	16	25.0	1.0	44	8
149037	0.2	<0.5	50	12	13.5	0.5	44	7
149038	0.9	<0.5	75	18	36.0	0.5	56	11
149039	0.3	<0.5	110	40	40.0	1.0	100	9
149040	47.5	<0.5	2460	3.14%	10.0	10.0	120	438
149041	0.6	<0.5	285	50	32.5	1.5	194	17
149042	0.7	<0.5	175	108	26.0	1.0	136	12
149043	0.7	0.5	495	60	23.5	6.0	230	12
149044	0.7	<0.5	535	192	28.5	10.0	240	21
149045	2.9	<0.5	1140	2390	39.5	5.0	892	57
149046	0.4	<0.5	1880	880	12.5	1.5	1050	34
149047	0.3	<0.5	225	60	21.0	1.5	88	11
149048	0.4	<0.5	105	50	38.0	<0.5	82	8
149049	0.6	<0.5	120	42	32.5	1.0	108	11
149050	0.9	<0.5	210	2290	13.5	2.0	364	27
149050 Rpt	0.8	<0.5	200	2230	13.0	2.0	360	25
11213	1.1	<0.5	310	2060	15.0	1.5	628	50
11214	1.8	0.5	3310	2050	17.5	2.5	1960	36
Std Nominal	<0.1	<0.5	60	14	6.0	1.0	120	3
Determined	0.2	<0.5	55	14	6.0	1.0	124	3
11215	2.0	<0.5	575	1600	14.0	2.5	1100	29
11216	1.5	<0.5	3010	2500	11.0	10.5	780	29
11217	1.5	0.5	2170	2620	10.5	16.5	592	35
11218	6.3	<0.5	655	2270	30.0	6.5	988	75
11219	6.4	<0.5	350	3620	18.5	4.5	802	66
11220	<0.1	<0.5	445	78	11.0	0.5	4940	7
11220 Rpt	<0.1	<0.5	455	80	10.5	0.5	4960	8
11221	8.3	<0.5	570	1810	9.5	3.5	976	102
11222	5.4	<0.5	185	688	29.5	1.0	336	39
11223	3.2	<0.5	445	1730	43.5	1.0	918	37



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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
11224	2.1	<0.5	480	1490	22.5	5.0	1010	34
11225	0.6	<0.5	1900	2380	22.0	6.0	1050	20
11226	1.5	<0.5	280	3360	13.0	2.5	480	24
11227	0.4	<0.5	235	8150	10.0	2.0	272	16
11228	1.0	<0.5	205	3280	10.5	2.5	358	28
11229	1.8	<0.5	1190	2690	18.5	2.0	1720	41
11230	1.5	<0.5	375	654	5.0	1.5	210	22
11231	4.4	<0.5	240	530	5.0	1.0	130	15
11232	5.8	<0.5	540	1280	8.5	1.5	266	30
11233	0.8	<0.5	90	210	8.0	4.5	60	7
11234	1.1	<0.5	220	270	8.5	3.5	136	9
11235	1.5	<0.5	1000	694	9.0	3.0	176	18
11236	0.8	<0.5	710	270	11.5	2.5	142	8
11237	1.1	<0.5	630	996	14.5	2.5	412	18
11238	2.4	<0.5	2140	3060	18.5	3.0	1370	25
11239	2.7	<0.5	2000	1000	10.0	2.5	1700	22
11240	2.7	<0.5	1970	996	9.5	3.0	1670	21
11241	2.0	<0.5	645	388	8.5	2.0	580	28
Std Nominal	<0.1	<0.5	155	316	7.5	2.0	6930	3
Determined	<0.1	<0.5	160	320	7.5	2.0	6810	3
11242	2.1	1.5	8750	2840	6.5	8.5	4720	50
11243	2.2	<0.5	6440	1380	24.0	4.5	3470	43
11244	2.5	<0.5	5020	904	23.0	1.5	2720	38
11245	1.5	<0.5	4560	1140	18.0	2.0	2540	29
11246	1.6	<0.5	3760	832	19.0	2.0	2060	20
11247	3.2	<0.5	3940	232	17.0	2.0	2120	26
11248	1.2	0.5	2660	714	18.0	2.0	1330	22
11249	1.5	<0.5	2360	156	19.5	1.0	1240	19
11250	1.9	<0.5	4170	296	15.5	2.0	2310	49
11251	1.6	<0.5	3650	518	17.5	1.0	1960	66
11251 Rpt	1.6	<0.5	3700	512	17.5	1.0	2000	71
11252	1.7	<0.5	2530	146	17.5	1.5	1250	60
11253	1.9	<0.5	1890	318	16.5	1.0	888	59
11253 Rpt	2.0	<0.5	1920	310	17.0	1.0	888	62
11254	1.3	<0.5	1520	108	19.0	1.5	570	49
11255	1.5	<0.5	2160	366	19.0	1.5	980	138
11256	0.8	<0.5	785	294	18.5	2.0	446	32
11257	1.3	1.0	1380	84	35.5	1.5	876	31
11258	4.1	5.5	8110	484	17.0	8.5	4900	59
11259	2.6	1.5	4360	252	8.5	7.5	2580	32
11260	48.5	<0.5	2500	3.28%	10.0	10.0	118	450
11260 Rpt	47.8	<0.5	2480	3.19%	10.5	10.5	116	442
11261	2.3	2.0	4260	364	8.5	5.5	2560	28



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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
11262	2.1	1.0	3270	384	14.5	3.5	1790	27
11263	1.1	1.5	2240	648	21.5	2.0	1360	40
11263 Rpt	1.2	1.5	2270	646	21.5	2.0	1370	42
11264	1.6	1.5	3680	2510	20.5	2.5	2020	31
11265	2.6	1.5	4760	6040	17.5	2.5	3050	34
11266	2.1	<0.5	2720	1300	14.5	2.5	1940	27
11267	2.5	1.0	1990	724	15.0	3.0	1290	37
Std Nominal	0.3	<0.5	<5	10	12.0	3.5	8	36
Determined	0.3	<0.5	5	12	12.5	3.5	10	36
11268	1.6	1.0	1330	1850	13.5	2.5	982	22
11269	1.2	1.0	1700	3410	12.5	5.0	1210	24
11270	1.2	1.0	1190	706	10.0	3.5	772	48
11271	1.0	<0.5	980	5230	13.0	4.5	604	19
11272	0.4	<0.5	650	1650	19.0	2.5	388	9
11273	0.4	<0.5	530	1930	18.0	1.5	378	10
11274	0.1	<0.5	80	486	22.0	1.0	82	6
11275	<0.1	<0.5	50	190	11.0	1.5	42	4
149051	0.2	<0.5	125	42	11.5	1.0	34	6
149052	<0.1	<0.5	20	24	10.5	1.5	30	7
149053	0.2	<0.5	20	6	12.5	1.5	24	7
149054	0.1	<0.5	20	4	12.0	1.0	22	7
149055	0.2	<0.5	30	14	11.0	1.5	28	7
149056	0.3	<0.5	20	2	14.0	1.5	28	9
149057	0.2	<0.5	70	8	23.0	2.0	40	4
149058	<0.1	<0.5	55	8	32.0	0.5	34	2
149059	<0.1	<0.5	55	10	34.0	0.5	38	3
149060	<0.1	<0.5	450	78	10.0	0.5	5040	8
149061	0.4	<0.5	625	1560	30.5	8.0	262	37
11316	0.7	<0.5	385	2380	16.5	1.0	560	18
11317	0.6	<0.5	600	1460	14.0	1.0	798	18
11318	0.7	<0.5	580	2050	16.5	1.5	778	19
11319	0.6	<0.5	650	2470	14.5	0.5	854	16
11320	0.6	<0.5	730	2580	17.0	1.0	872	16
Std Nominal	3.0	9.0	45	1500	9.5	67.0	74	521
Determined	2.9	9.0	50	1540	9.5	66.0	76	516
11321	0.6	<0.5	365	2030	15.5	1.0	448	16
11322	0.8	<0.5	225	1450	20.5	1.0	448	19
11323	0.9	0.5	245	1640	18.0	2.0	518	31
11324	0.6	<0.5	210	824	23.5	0.5	438	16
11325	0.7	<0.5	230	1230	21.5	0.5	424	17
11326	0.6	<0.5	230	2300	19.5	1.0	526	15
11327	0.4	<0.5	215	910	16.5	0.5	580	12
11328	2.4	1.0	9460	2520	10.0	35.5	804	53



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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
11329	1.7	<0.5	330	1750	30.0	3.0	464	27
11330	0.9	<0.5	150	8990	13.5	1.0	380	21
11330 Rpt	0.9	<0.5	145	8890	14.5	1.0	372	20
149062	1.7	<0.5	220	3740	34.5	4.5	558	32
149063	2.5	<0.5	2820	1350	15.5	12.5	1220	47
149064	2.9	<0.5	1260	490	7.5	3.0	290	26
11344	0.6	<0.5	2990	792	16.5	2.0	330	18
11345	0.8	<0.5	565	478	22.5	1.0	360	19
11345 Rpt	0.8	<0.5	555	484	21.0	1.0	356	19
11346	1.0	<0.5	1210	542	15.5	1.5	692	29
11347	0.6	0.5	770	402	23.0	0.5	514	22
11348	0.6	<0.5	655	374	30.0	1.0	492	11
11349	0.3	1.0	695	736	22.5	2.5	386	8
11350	1.2	<0.5	2840	728	12.5	1.5	1590	27
11351	1.0	<0.5	1970	334	14.5	1.0	1140	25
11351 Rpt	1.0	<0.5	1980	328	15.5	1.0	1140	23
11352	1.1	<0.5	3450	644	16.5	1.5	1890	24
11353	1.1	<0.5	2830	588	14.0	1.0	1610	22
11354	1.5	<0.5	3660	770	15.0	2.0	2000	35
11355	0.7	0.5	2770	1910	20.5	1.5	1530	31
11356	1.2	<0.5	5260	2030	12.5	2.0	2820	86
11357	0.9	<0.5	2760	872	15.5	1.5	1260	97
Std Nominal	<0.1	<0.5	5	4	2.0	<0.5	252	5
Determined	<0.1	<0.5	10	6	2.0	<0.5	256	6
11358	0.9	<0.5	3270	938	20.0	2.5	1450	183
11359	1.0	<0.5	4500	1290	15.0	5.5	2090	204
11360	49.2	<0.5	2520	3.17%	10.0	10.5	118	440
11361	0.6	0.5	1500	496	14.0	4.5	736	69
11362	0.1	0.5	805	898	54.5	1.5	336	16
11363	0.4	0.5	1180	496	35.0	2.5	302	17
11363 Rpt	0.4	<0.5	1100	492	35.0	2.0	302	17
11364	0.3	<0.5	650	312	22.0	1.0	886	13
11365	1.3	3.0	1110	174	18.0	3.5	1240	34
11366	1.8	1.5	890	60	17.0	2.5	886	37
11367	0.3	<0.5	445	18	26.0	0.5	498	12
11368	0.1	<0.5	280	28	21.5	0.5	264	8
11369	<0.1	<0.5	140	16	19.5	<0.5	104	10
11370	<0.1	<0.5	125	16	22.5	<0.5	110	7
11371	0.2	<0.5	70	12	14.5	<0.5	44	7
11372	0.3	<0.5	1830	8	17.0	2.0	90	16
11373	0.3	<0.5	295	6	18.5	1.0	58	8
11374	0.2	<0.5	60	6	15.5	<0.5	42	8
11375	0.2	<0.5	35	6	12.5	<0.5	38	9



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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
11375 Rpt	0.1	<0.5	30	4	13.5	0.5	42	8
11376	0.1	<0.5	30	8	16.5	0.5	58	9
11377	0.2	<0.5	40	26	18.0	1.0	58	9
11377 Rpt	0.2	<0.5	35	24	17.0	0.5	56	9
11378	0.2	<0.5	20	12	15.0	1.0	42	10
11379	0.1	<0.5	25	10	16.5	<0.5	48	8
11380	<0.1	<0.5	445	76	11.0	0.5	5010	8
11381	0.2	<0.5	20	6	15.0	1.0	30	8
11382	0.1	<0.5	15	8	13.5	1.0	42	9
11383	0.2	<0.5	20	10	14.0	1.0	34	10
11384	<0.1	<0.5	30	12	11.0	1.0	36	7
Std Nominal	<0.1	<0.5	210	10	4.0	1.0	2000	2
Determined	<0.1	<0.5	205	12	4.0	1.0	1970	2
11385	<0.1	<0.5	5	8	12.0	1.0	40	6
11386	<0.1	<0.5	10	8	13.0	1.0	34	7
11387	<0.1	<0.5	20	26	11.5	1.0	34	5
11388	0.2	<0.5	25	10	12.5	1.5	30	7
11389	0.2	<0.5	20	10	10.5	1.0	36	7
149065	0.3	<0.5	30	12	11.0	1.0	40	9
149066	0.6	<0.5	35	12	8.5	17.5	42	10
149067	0.2	<0.5	20	290	18.0	6.5	24	8
149068	0.3	<0.5	70	22	22.5	0.5	44	6
149069	0.6	<0.5	45	8	22.5	<0.5	20	6
149070	<0.1	<0.5	30	10	18.0	1.0	16	6
149071	0.2	<0.5	20	10	13.0	1.5	18	7
11422	0.7	<0.5	325	3280	12.0	2.5	328	21
11423	0.9	<0.5	210	5800	10.0	1.0	306	19
11424	0.6	<0.5	300	3160	10.5	3.5	326	25
11425	0.8	0.5	550	3640	19.5	3.5	266	31
11426	0.9	<0.5	1220	3560	12.5	6.5	464	29
11427	0.2	<0.5	240	1830	3.0	2.0	270	20
11428	0.9	0.5	1120	1840	6.0	7.0	596	20
11429	0.9	<0.5	415	888	10.5	1.5	526	20
11430	1.0	<0.5	230	3090	32.5	3.5	464	19
11431	0.7	<0.5	240	4390	11.0	2.5	448	26
11432	0.3	<0.5	370	6240	17.0	1.5	596	18
11433	0.2	<0.5	600	6090	15.5	2.5	476	22
11434	0.9	<0.5	2270	2170	15.5	5.0	500	24
11435	2.7	<0.5	440	810	30.0	1.5	630	20
11436	1.0	<0.5	170	1880	50.0	1.0	418	13
11437	1.6	<0.5	1040	1540	31.0	2.0	814	25
11438	3.5	<0.5	680	498	11.5	2.5	540	41
Std Nominal	0.1	<0.5	95	1760	3.0	<0.5	1020	3



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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	0.1	<0.5	100	1750	3.0	<0.5	1020	3
11439	2.5	1.0	775	896	6.5	3.5	434	50
11440	49.5	<0.5	2430	3.21%	10.5	11.0	122	439
11441	1.7	<0.5	365	448	13.0	2.0	368	112
11441 Rpt	1.6	<0.5	360	446	13.0	1.5	374	112
11442	2.2	<0.5	395	570	6.0	3.5	334	60
11443	2.1	<0.5	1330	560	4.0	6.0	254	57
11444	3.6	<0.5	2480	774	4.0	7.5	502	100
11445	3.2	<0.5	2580	1000	6.0	4.5	468	67
11446	1.0	<0.5	1040	2120	21.0	1.0	1580	34
11447	1.3	<0.5	750	808	16.5	0.5	796	27
11447 Rpt	1.3	<0.5	730	804	17.5	0.5	788	27
11448	0.2	<0.5	515	316	19.5	0.5	252	11
11449	0.2	<0.5	110	188	19.0	<0.5	228	10
11450	0.2	<0.5	290	202	19.5	0.5	400	13
11451	0.4	<0.5	180	212	19.5	0.5	306	16
11452	0.8	<0.5	270	156	16.5	<0.5	220	27
11453	1.8	1.0	2.13%	1530	15.5	12.5	1760	208
11454	0.4	<0.5	7970	606	21.0	5.0	978	53
11455	0.4	<0.5	380	226	23.5	0.5	462	12
11456	0.9	<0.5	605	74	26.5	1.0	490	25
11457	0.6	<0.5	530	466	27.5	1.0	514	13
11458	0.6	<0.5	445	416	23.5	0.5	396	16
11459	0.8	1.0	1230	1230	17.0	1.0	542	26
11459 Rpt	0.7	1.0	1240	1240	18.0	1.0	546	25
11460	0.8	1.0	1240	1280	17.0	1.0	540	29
11461	1.2	1.0	1870	1600	15.5	1.5	668	37
11462	1.5	0.5	855	536	13.0	1.0	470	43
Std Nominal	<0.1	<0.5	750	26	3.0	1.0	1.48%	3
Determined	<0.1	<0.5	750	26	3.0	1.0	1.47%	3
11463	1.9	0.5	605	522	14.0	1.0	660	50
11463 Rpt	1.8	0.5	610	518	14.5	1.0	654	47
11464	1.3	1.0	500	860	20.5	1.0	736	45
11465	1.1	1.0	2650	1520	34.0	2.0	1170	49
11466	1.0	1.5	1.50%	1470	29.5	9.5	1690	37
11467	1.0	1.5	1190	576	26.0	1.5	952	35
11468	0.6	0.5	1980	226	24.0	1.5	1510	19
11469	0.3	<0.5	870	50	30.5	0.5	658	11
11470	0.3	<0.5	435	24	28.5	1.5	306	17
11471	0.2	<0.5	585	20	23.5	3.5	408	12
11472	0.2	<0.5	185	6	24.0	<0.5	164	7
11473	0.2	<0.5	95	6	14.0	<0.5	84	4
11474	0.2	<0.5	120	4	18.5	<0.5	80	12



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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
11475	0.2	<0.5	140	6	16.5	0.5	54	8
11476	0.3	<0.5	765	10	15.0	0.5	86	8
11477	0.2	<0.5	205	8	12.5	1.0	34	7
11477 Rpt	0.2	<0.5	205	6	13.0	1.0	36	6
11050	0.1	<0.5	140	12	25.0	0.5	8	6
Std Nominal	0.9	<0.5	285	876	11.0	1.0	1.41%	5
Determined	0.9	<0.5	280	880	10.5	1.0	1.39%	6



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
149001	24	5.5	17.5
149002	60	9.6	11.4
149003	168	2.8	9.2
149004	98	3.4	11.0
149005	30	4.3	11.4
149005 Rpt	28	4.4	11.8
11018	36	1.2	6.5
11019	34	2.9	13.8
11020	100	1.0	2.7
11021	62	3.9	18.5
11022	30	1.9	11.4
149006	20	1.5	7.9
149007	34	2.5	15.5
Std Nominal	516	0.2	0.2
Determined	506	0.2	0.3
11031	72	3.0	23.0
11032	48	3.2	24.1
149008	34	2.5	17.0
149009	42	2.9	16.5
149010	48	4.1	16.5
11046	38	4.4	13.3
11047	40	3.6	4.7
11048	28	8.2	8.4
11049	28	5.5	9.6
11051	28	3.6	9.2
149011	56	3.9	11.6
149011 Rpt	52	3.8	11.6
149012	62	2.8	11.2
149013	58	4.5	12.6
149014	56	3.4	12.5
149015	112	3.6	12.1
149016	160	3.5	12.2
149017	146	3.1	13.0
149018	84	3.6	11.0
149019	48	3.9	14.0
149019 Rpt	46	3.9	14.0
149020	Cavity		
149021	48	4.8	11.2
149022	62	3.1	10.5
149023	116	2.9	11.4
149024	142	3.2	12.4
11106	14	2.4	11.0
149025	32	9.5	16.5



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
149026	48	9.1	12.2
149027	58	4.6	11.7
149028	40	5.7	15.4
149029	34	2.0	9.2
Std Nominal	76	0.3	1.1
Determined	74	0.3	1.2
149030	40	2.0	11.5
149031	28	1.8	11.2
149031 Rpt	28	1.8	11.2
149032	36	2.0	15.8
149033	40	2.0	15.5
149034	56	2.9	16.3
149035	40	4.1	16.7
149036	26	7.3	12.5
149037	28	6.3	11.3
149038	74	3.0	10.8
149039	62	3.6	12.1
149040	36	1.6	3.1
149041	58	3.9	12.5
149042	62	3.8	11.8
149043	128	4.4	13.8
149044	66	3.9	13.3
149045	132	8.2	29.9
149046	64	4.6	16.0
149047	34	8.4	15.6
149048	64	7.5	12.4
149049	56	5.3	14.0
149050	64	4.8	24.6
149050 Rpt	62	4.6	23.7
11213	52	6.5	29.8
11214	92	6.3	26.2
Std Nominal	68	0.3	0.5
Determined	70	0.3	0.6
11215	78	6.9	29.7
11216	86	11.0	31.2
11217	84	26.0	18.9
11218	108	16.9	12.4
11219	68	22.1	12.1
11220	98	1.0	2.7
11220 Rpt	96	1.0	2.6
11221	74	24.1	13.8
11222	40	17.7	10.4
11223	100	16.6	13.0



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
11224	144	8.6	11.4
11225	214	5.5	9.0
11226	94	6.7	11.3
11227	52	5.3	11.2
11228	72	4.6	10.9
11229	170	8.5	12.1
11230	68	5.2	10.9
11231	32	6.4	10.4
11232	52	8.5	21.6
11233	12	1.5	5.7
11234	26	1.6	7.4
11235	38	2.2	12.2
11236	20	2.8	13.3
11237	48	3.6	17.8
11238	96	4.1	26.7
11239	108	3.9	23.8
11240	106	4.0	24.1
11241	48	6.2	25.5
Std Nominal	104	0.7	2.8
Determined	102	0.7	2.7
11242	412	6.9	31.5
11243	96	5.4	24.6
11244	106	3.9	27.2
11245	154	3.6	26.2
11246	48	3.6	26.4
11247	84	3.8	25.7
11248	276	3.4	27.0
11249	80	3.4	23.8
11250	46	3.7	26.9
11251	184	3.5	24.0
11251 Rpt	184	3.4	24.7
11252	48	4.0	25.5
11253	132	4.6	24.7
11253 Rpt	132	4.8	26.1
11254	112	5.4	24.6
11255	142	5.4	26.5
11256	154	12.4	24.5
11257	238	44.5	14.6
11258	792	7.1	11.9
11259	270	5.3	11.4
11260	38	1.5	3.2
11260 Rpt	36	1.5	3.1
11261	248	4.6	10.6



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
11262	186	8.1	12.2
11263	346	7.6	12.3
11263 Rpt	340	7.6	12.6
11264	430	7.8	12.9
11265	308	6.7	13.4
11266	246	5.3	12.3
11267	164	6.4	14.7
Std Nominal	50	17.3	51.0
Determined	52	16.8	50.5
11268	128	8.5	12.2
11269	104	5.3	11.0
11270	470	9.9	12.7
11271	226	4.6	15.7
11272	56	4.3	19.8
11273	42	4.7	19.2
11274	36	3.1	18.1
11275	38	2.1	12.7
149051	30	2.1	15.2
149052	30	2.7	16.5
149053	16	3.1	14.8
149054	26	2.9	14.2
149055	24	2.6	12.4
149056	32	3.0	15.1
149057	40	3.6	10.8
149058	60	2.2	10.6
149059	130	2.2	10.6
149060	100	0.9	2.7
149061	16	6.5	14.6
11316	72	4.0	27.0
11317	68	4.1	27.2
11318	74	4.7	29.4
11319	72	4.7	27.1
11320	76	4.8	27.1
Std Nominal	5200	0.8	2.7
Determined	5220	0.8	2.8
11321	66	4.8	27.4
11322	70	4.6	30.5
11323	76	4.9	28.7
11324	68	5.0	30.6
11325	68	5.8	30.5
11326	80	6.0	30.8
11327	68	6.2	31.1
11328	118	29.3	18.8



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

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Facsimile (08) 9456 0403

Reference: u281718 Order Number: AU.2875062-17 Page 29 of 32

	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
11329	70	10.8	11.9
11330	52	11.4	12.0
11330 Rpt	50	11.6	12.6
149062	76	12.1	12.2
149063	152	6.9	11.6
149064	62	5.9	11.9
11344	52	5.3	21.6
11345	72	6.0	29.2
11345 Rpt	70	6.4	30.5
11346	84	8.6	35.2
11347	100	9.6	28.4
11348	136	3.9	23.0
11349	306	2.5	17.6
11350	100	3.7	27.0
11351	64	3.6	24.4
11351 Rpt	66	3.6	25.7
11352	94	3.8	26.7
11353	122	3.5	24.9
11354	120	4.0	27.3
11355	354	4.1	26.9
11356	160	4.3	27.1
11357	116	4.5	25.5
Std Nominal	10	<0.1	0.1
Determined	8	<0.1	0.2
11358	98	5.3	26.9
11359	162	4.5	24.6
11360	40	1.5	3.2
11361	120	12.8	28.2
11362	78	15.0	14.9
11363	70	13.6	16.0
11363 Rpt	74	12.5	14.8
11364	176	10.1	30.2
11365	208	10.4	31.0
11366	134	12.4	38.5
11367	120	8.2	34.7
11368	108	7.2	26.4
11369	62	5.4	31.8
11370	60	4.4	27.4
11371	40	2.9	19.6
11372	36	2.8	20.1
11373	42	3.2	22.5
11374	34	2.9	21.5
11375	34	2.5	18.4



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
11375 Rpt	30	2.5	17.9
11376	38	2.6	17.6
11377	46	2.6	19.6
11377 Rpt	44	2.8	20.4
11378	32	2.5	17.3
11379	32	2.6	18.8
11380	98	0.9	2.8
11381	30	2.6	17.5
11382	30	2.5	17.2
11383	36	2.5	16.8
11384	26	2.4	15.9
Std Nominal	90	0.1	0.5
Determined	90	0.1	0.5
11385	26	2.4	15.4
11386	28	2.6	16.7
11387	32	3.7	14.3
11388	28	6.3	15.4
11389	28	3.6	14.3
149065	36	2.8	13.2
149066	28	3.1	11.6
149067	20	4.7	9.6
149068	68	3.6	11.7
149069	82	2.5	10.0
149070	46	2.2	11.6
149071	44	2.4	12.5
11422	64	6.7	24.9
11423	80	7.7	27.8
11424	64	21.8	18.7
11425	64	37.2	11.5
11426	90	33.6	14.1
11427	42	51.1	19.2
11428	72	18.1	11.2
11429	70	12.7	13.4
11430	68	16.7	13.4
11431	60	27.6	18.8
11432	64	36.7	11.6
11433	84	67.5	21.2
11434	70	22.8	20.9
11435	68	11.1	14.0
11436	56	7.8	11.2
11437	116	7.3	11.9
11438	80	4.6	10.0
Std Nominal	64	0.1	0.4



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
Determined	64	0.1	0.4
11439	64	4.7	11.2
11440	38	1.6	3.3
11441	44	4.6	11.3
11441 Rpt	46	4.6	10.8
11442	52	4.5	10.9
11443	48	7.1	12.6
11444	76	13.1	14.3
11445	96	20.9	18.9
11446	186	9.4	31.4
11447	104	8.6	33.1
11447 Rpt	102	8.7	33.5
11448	52	4.8	27.4
11449	48	4.5	28.7
11450	80	3.8	27.2
11451	104	3.8	26.4
11452	70	4.3	27.8
11453	238	9.3	27.9
11454	198	6.0	28.3
11455	130	5.2	30.0
11456	130	5.0	27.4
11457	128	4.7	26.7
11458	98	4.7	26.6
11459	126	5.8	27.4
11459 Rpt	130	6.2	29.4
11460	128	6.0	28.8
11461	184	7.5	31.6
11462	94	8.0	34.9
Std Nominal	516	0.2	0.2
Determined	504	0.2	0.2
11463	100	8.8	40.1
11463 Rpt	102	8.5	38.5
11464	136	7.6	35.4
11465	224	8.6	35.7
11466	250	14.9	56.1
11467	156	7.2	33.1
11468	170	6.3	34.5
11469	116	5.6	34.8
11470	96	5.3	32.2
11471	92	3.9	26.7
11472	48	4.4	27.9
11473	28	2.6	17.4
11474	38	3.1	21.6



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
11475	24	2.8	19.3
11476	50	2.7	17.8
11477	28	2.5	16.4
11477 Rpt	30	2.4	16.0
11050	12	3.7	10.4
Std Nominal	76	0.3	1.1
Determined	74	0.3	1.2

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

"IS" Implies insufficient sample for this determination

"NR" Implies result is not required for this determination

"M" Implies this result reported in ppm

"%" Implies this result reported in %

Sample Storage

The excess material (Residue) will be held after 30 days

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

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.