



Certificate of Analysis

Work Order: TO122330

To: **Gordon Richards**
Gordon Richards
6410 Holly Park Drive
DELTA
BC V4K 4W6

Date: Aug 29, 2012

P.O. No. : Project:SPEC
Project No. : -
No. Of Samples : 13
Date Submitted : Aug 04, 2012
Report Comprises : Pages 1 to 7
(Inclusive of Cover Sheet)

Distribution of unused material:

Discard samples:

Certified By :

Bruce Robertson
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag@ MMI-M5 1 ppb	Al@ MMI-M5 1 ppm	As@ MMI-M5 10 ppb	Au@ MMI-M5 0.1 ppb	Ba@ MMI-M5 10 ppb	Bi@ MMI-M5 1 ppb	Ca@ MMI-M5 10 ppm	Cd@ MMI-M5 1 ppb	Ce@ MMI-M5 5 ppb	Co@ MMI-M5 5 ppb
P196	10	83	<10	0.6	18800	<1	540	2	1130	16
P197	14	138	40	0.4	10900	<1	180	2	1360	62
P198	13	115	40	0.4	8420	<1	170	3	1300	237
P199	11	222	70	0.2	5230	1	90	4	455	79
P200	13	215	70	0.4	6330	<1	100	4	997	116
P201	12	121	10	0.3	9760	<1	190	3	1220	48
P202	9	141	20	0.3	11600	<1	190	2	1330	56
P203	27	246	10	0.3	36200	<1	170	5	347	128
P204	14	139	20	0.4	16400	<1	260	4	1200	75
P205	12	172	20	0.3	16600	<1	200	3	1900	145
P206	101	160	10	0.9	46200	<1	280	5	698	91
P207	33	239	40	0.2	8540	<1	110	8	223	290
P208	90	214	10	0.3	7880	<1	70	9	580	48
*Rep P208	96	206	20	0.3	8900	<1	90	7	796	63
*Std MMISRM16	19	45	10	26.8	60	<1	240	4	17	60
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr@ MMI-M5 100 ppb	Cs@ MMI-M5 0.5 ppb	Cu@ MMI-M5 10 ppb	Dy@ MMI-M5 1 ppb	Er@ MMI-M5 0.5 ppb	Eu@ MMI-M5 0.5 ppb	Fe@ MMI-M5 1 ppm	Ga@ MMI-M5 1 ppb	Gd@ MMI-M5 1 ppb	Hg@ MMI-M5 1 ppb
P196	<100	<0.5	1450	265	149	56.0	11	3	298	8
P197	<100	0.6	680	241	127	64.5	71	12	296	2
P198	<100	1.2	1010	228	113	62.1	70	11	271	<1
P199	200	2.2	490	64	28.4	17.3	132	15	75	2
P200	200	3.5	790	119	55.4	33.7	129	18	142	1
P201	<100	1.1	800	233	108	55.5	26	8	256	<1
P202	<100	0.7	1490	361	201	88.2	40	11	415	2
P203	<100	0.7	260	57	28.0	14.5	32	5	56	<1
P204	<100	<0.5	1160	302	161	73.8	38	8	341	<1
P205	<100	<0.5	1130	444	249	103	41	12	492	1
P206	<100	3.3	750	185	105	39.6	8	5	180	1
P207	100	7.5	320	33	14.3	8.1	64	7	33	<1
P208	<100	2.8	500	106	41.3	25.4	28	7	105	<1
*Rep P208	<100	3.0	550	143	56.2	33.4	34	8	143	<1
*Std MMISRM16	<100	11.0	730	3	1.1	1.1	3	<1	4	21
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	1	<1

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Element Method Det.Lim. Units	In@ MMI-M5 0.5 ppb	K@ MMI-M5 0.1 ppm	La@ MMI-M5 1 ppb	Li@ MMI-M5 5 ppb	Mg@ MMI-M5 1 ppm	Mn@ MMI-M5 10 ppb	Mo@ MMI-M5 5 ppb	Nb@ MMI-M5 0.5 ppb	Nd@ MMI-M5 1 ppb	Ni@ MMI-M5 5 ppb
P196	<0.5	1.7	381	<5	138	700	<5	<0.5	575	1740
P197	<0.5	4.3	631	<5	29	1750	<5	3.9	1020	267
P198	<0.5	6.5	517	<5	32	8750	6	3.4	915	241
P199	<0.5	5.3	212	<5	12	2410	10	8.7	273	116
P200	<0.5	5.7	431	<5	10	5040	7	8.9	551	152
P201	<0.5	5.8	539	<5	36	800	<5	0.8	834	187
P202	<0.5	3.5	581	<5	30	870	<5	1.8	1190	434
P203	<0.5	2.4	175	<5	36	570	<5	0.6	183	262
P204	<0.5	3.1	529	<5	48	860	<5	<0.5	977	673
P205	<0.5	2.8	841	<5	40	1500	<5	1.1	1470	565
P206	<0.5	5.2	357	<5	71	1110	<5	<0.5	494	807
P207	<0.5	13.8	100	<5	20	5140	<5	1.7	109	371
P208	<0.5	8.9	402	<5	14	950	<5	1.0	405	72
*Rep P208	<0.5	8.6	558	<5	17	1360	<5	1.8	552	86
*Std MMISRM16	<0.5	40.6	4	<5	35	120	45	<0.5	15	241
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P@ MMI-M5 0.1 ppm	Pb@ MMI-M5 10 ppb	Pd@ MMI-M5 1 ppb	Pr@ MMI-M5 1 ppb	Pt@ MMI-M5 1 ppb	Rb@ MMI-M5 5 ppb	Sb@ MMI-M5 1 ppb	Sc@ MMI-M5 5 ppb	Sm@ MMI-M5 1 ppb	Sn@ MMI-M5 1 ppb
P196	<0.1	160	<1	98	<1	14	<1	126	195	<1
P197	1.3	190	<1	220	<1	65	2	286	256	<1
P198	1.1	200	<1	188	<1	80	2	289	235	<1
P199	4.5	260	<1	61	<1	106	4	126	66	<1
P200	5.5	220	<1	126	<1	125	4	193	130	<1
P201	0.5	250	<1	171	<1	91	<1	235	215	<1
P202	0.9	260	<1	234	<1	57	1	377	334	<1
P203	0.6	320	<1	41	<1	64	<1	94	44	<1
P204	0.5	190	<1	197	<1	41	1	300	268	<1
P205	0.6	300	<1	296	<1	58	1	536	384	<1
P206	0.3	250	<1	100	<1	60	<1	309	129	<1
P207	2.6	200	<1	26	<1	185	2	72	28	<1
P208	1.3	400	<1	98	<1	160	<1	182	91	<1
*Rep P208	1.4	360	<1	136	<1	176	<1	228	124	<1
*Std MMISRM16	0.2	110	25	3	<1	318	<1	13	5	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr@ MMI-M5 10 ppb	Ta@ MMI-M5 1 ppb	Tb@ MMI-M5 1 ppb	Te@ MMI-M5 10 ppb	Th@ MMI-M5 0.5 ppb	Ti@ MMI-M5 3 ppb	Tl@ MMI-M5 0.5 ppb	U@ MMI-M5 1 ppb	W@ MMI-M5 1 ppb	Y@ MMI-M5 5 ppb
P196	3470	<1	43	<10	13.0	<3	<0.5	97	<1	1720
P197	800	<1	42	<10	67.1	1810	<0.5	68	1	1370
P198	750	<1	39	<10	86.9	1560	<0.5	77	1	1230
P199	350	<1	11	<10	76.5	3500	1.0	40	2	316
P200	340	<1	21	<10	86.7	3500	1.0	56	2	626
P201	1000	<1	39	<10	48.9	577	0.6	69	<1	1320
P202	830	<1	58	<10	53.1	831	0.5	113	<1	2110
P203	1210	<1	9	<10	35.5	828	<0.5	22	<1	318
P204	1280	<1	49	<10	70.5	442	<0.5	71	<1	1800
P205	1140	<1	71	<10	69.5	683	<0.5	125	<1	2770
P206	1840	<1	29	<10	38.3	282	0.7	49	<1	1170
P207	470	<1	5	<10	48.1	1130	0.5	21	<1	162
P208	340	<1	18	<10	56.4	857	<0.5	47	<1	493
*Rep P208	450	<1	25	<10	61.4	1260	0.5	51	<1	705
*Std MMISRM16	480	<1	<1	<10	20.9	7	<0.5	48	<1	11
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

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Element	Yb@	Zn@	Zr@
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
P196	107	30	38
P197	102	40	114
P198	85	40	146
P199	19	50	220
P200	38	40	256
P201	68	30	72
P202	153	30	85
P203	19	20	63
P204	120	30	87
P205	195	20	96
P206	84	20	49
P207	10	40	111
P208	25	50	199
*Rep P208	32	70	212
*Std MMISRM16	<1	320	15
*Blk BLANK	<1	<20	<5

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