Certificate of Analysis

Work Order : SU1600679

[Report File No.: 0000007602]

To: **Richard Zemorov**
PACIFIC NORTHWEST CAPITAL
101-2148 WEST 38TH AVENUE
VANCOUVER BC V6M 1R9

Date: Aug 19, 2016

P.O. No.	:	-
Project No.	:	-
No. Of Samples	:	16
Date Submitted	:	Aug 15, 2016
Report Comprises	:	Pages 1 to 6 (Inclusive of Cover Sheet)

Distribution of unused material:
To Be Determined:

Comments:

Sample Preparation performed at the SGS Sudbury site.
Detection limit for Pb, and Cu increased as indicated due to sample matrix interference

Certified By : Sarah Thyret-Auber
Sarah Thyret
Project Coordinator

SGS Minerals Services (Lakefield) 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	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= 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
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element	@Au	Pt	Pd	Ag	Al	As	Ba	Be
Method	GE_FAI313	GE_FAI313	GE_FAI313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	10	1	2	0.01	3	5	0.5
Units	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm
RZ2016-001	16	<10	3	<2	4.02	3	1024	0.5
RZ2016-002	3	<10	2	<2	3.08	5	562	<0.5
RZ2016-003	1	<10	3	<2	4.63	5	1209	<0.5
RZ2016-004	3	<10	<1	<2	2.40	4	1092	<0.5
RZ2016-005	1	<10	1	<2	3.61	3	1328	<0.5
RZ2016-006	1	<10	<1	<2	0.81	<3	55	<0.5
RZ2016-007	2	<10	2	<2	1.62	5	420	<0.5
RZ2016-008	68	246	291	<2	4.85	7	38	<0.5
RZ2016-009	27	132	88	<2	0.26	<3	12	<0.5
RZ2016-011	1	<10	1	<2	2.61	5	715	0.5
RZ2016-012	1	<10	2	<2	4.20	5	675	0.5
RZ2016-013	1	<10	2	<2	5.40	10	1754	0.7
RZ2016-014	2	<10	<1	<2	1.73	<3	423	<0.5
12 Aug 16-01	3	16	16	<2	2.79	4	47	<0.5
12 Aug 16-02	15	89	11	<2	3.21	4	26	<0.5
12 Aug 16-03	5	13	9	<2	2.73	5	47	<0.5
*Rep RZ2016-006	2	<10	<1					
*Rep RZ2016-007				<2	1.65	4	439	<0.5

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Element	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	5	0.01	1	1	1	5	0.01	1
Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm
RZ2016-001	<5	0.34	<1	25	247	19	5.38	<1
RZ2016-002	<5	0.37	<1	22	228	69	4.38	1
RZ2016-003	<5	0.30	<1	32	260	60	6.41	1
RZ2016-004	<5	0.92	<1	16	25	23	4.40	<1
RZ2016-005	<5	1.04	<1	27	193	23	5.32	1
RZ2016-006	<5	0.04	<1	1	26	<5	1.18	<1
RZ2016-007	<5	0.50	<1	28	176	15	2.64	<1
RZ2016-008	<5	2.59	<1	23	67	823	1.65	<1
RZ2016-009	<5	0.21	<1	34	243	1078	3.08	<1
RZ2016-011	<5	0.77	<1	17	65	36	3.87	<1
RZ2016-012	<5	0.18	1	24	216	<5	6.01	<1
RZ2016-013	<5	0.88	<1	21	219	<5	6.01	<1
RZ2016-014	<5	0.78	<1	8	26	12	2.85	<1
12 Aug 16-01	<5	1.16	<1	20	23	42	2.72	<1
12 Aug 16-02	<5	1.67	<1	11	20	142	1.45	<1
12 Aug 16-03	<5	1.51	<1	19	142	71	3.06	<1
*Rep RZ2016-007	<5	0.53	<1	28	179	16	2.70	<1

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Element	K	La	Li	Mg	Mn	Mo	Na	Ni
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	0.5	1	0.01	2	1	0.01	1
Units	%	ppm	ppm	%	ppm	ppm	%	ppm
RZ2016-001	2.89	19.9	37	2.77	540	9	0.06	149
RZ2016-002	1.65	24.9	23	1.97	405	3	0.08	85
RZ2016-003	3.71	32.5	37	3.14	716	4	0.10	133
RZ2016-004	1.59	23.3	19	1.38	339	3	0.09	19
RZ2016-005	2.74	13.3	25	2.71	528	2	0.08	100
RZ2016-006	0.55	0.5	9	0.32	105	2	0.02	5
RZ2016-007	0.96	8.7	16	1.25	232	1	0.03	46
RZ2016-008	0.04	2.2	3	0.58	161	3	0.61	224
RZ2016-009	0.04	<0.5	1	0.37	127	<1	0.04	170
RZ2016-011	1.82	37.9	26	1.55	474	1	0.07	34
RZ2016-012	1.44	31.5	39	3.11	584	3	0.05	117
RZ2016-013	4.60	57.0	48	4.46	943	3	0.07	123
RZ2016-014	1.23	14.9	13	1.03	255	1	0.08	11
12 Aug 16-01	0.21	1.8	11	1.37	286	3	0.28	70
12 Aug 16-02	0.08	0.7	9	0.75	167	2	0.46	50
12 Aug 16-03	0.18	2.4	21	1.61	395	1	0.22	57
*Rep RZ2016-007	0.96	9.0	16	1.26	238	1	0.03	47

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Element	P	Pb	S	Sb	Sc	Sn	Sr	Ti
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	10	0.01	5	0.5	10	5	0.01
Units	%	ppm	%	ppm	ppm	ppm	ppm	%
RZ2016-001	0.06	16	0.08	11	7.2	<10	32	0.31
RZ2016-002	0.06	<10	0.29	8	6.3	<10	30	0.23
RZ2016-003	0.07	<10	0.21	14	10.2	10	40	0.45
RZ2016-004	0.36	<10	0.08	6	2.1	<10	68	0.26
RZ2016-005	0.30	<10	0.11	10	4.3	<10	77	0.37
RZ2016-006	0.01	<10	<0.01	<5	0.6	<10	<5	0.05
RZ2016-007	0.12	<10	0.49	6	2.9	<10	41	0.15
RZ2016-008	<0.01	<10	0.15	<5	2.8	<10	89	0.02
RZ2016-009	<0.01	<10	0.33	<5	3.3	<10	6	0.05
RZ2016-011	0.23	45	0.23	8	1.5	<10	62	0.33
RZ2016-012	0.04	<10	0.09	8	9.7	<10	22	0.20
RZ2016-013	0.28	<10	<0.01	13	4.8	<10	92	0.37
RZ2016-014	0.25	<10	0.05	5	1.5	<10	69	0.24
12 Aug 16-01	0.02	<10	0.02	<5	3.6	<10	48	0.07
12 Aug 16-02	<0.01	<10	0.04	<5	2.4	<10	65	0.04
12 Aug 16-03	0.02	<10	0.03	8	7.0	<10	44	0.13
*Rep RZ2016-007	0.13	<10	0.49	6	3.0	<10	42	0.16

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Element	V	W	Y	Zn	Zr
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm	ppm
RZ2016-001	101	<10	7.6	156	1.9
RZ2016-002	75	<10	7.8	87	1.3
RZ2016-003	128	<10	11.5	142	<0.5
RZ2016-004	63	<10	11.5	79	1.1
RZ2016-005	93	<10	7.2	107	1.1
RZ2016-006	7	<10	1.9	21	10.5
RZ2016-007	34	<10	4.2	36	4.2
RZ2016-008	22	<10	0.9	11	<0.5
RZ2016-009	93	<10	1.3	19	<0.5
RZ2016-011	59	<10	4.7	105	2.6
RZ2016-012	128	<10	8.0	103	0.9
RZ2016-013	89	<10	9.7	179	3.5
RZ2016-014	39	<10	4.3	43	1.6
12 Aug 16-01	29	<10	2.2	28	0.8
12 Aug 16-02	17	<10	1.2	20	<0.5
12 Aug 16-03	44	<10	4.6	36	3.7
*Rep RZ2016-007	35	<10	4.5	37	4.6

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