



Certificate of Analysis

Work Order : VC131099

[Report File No.: 0000001080]

To: **Chris S. LeBlanc**
COD SGS ASSAYERS
C/O F406501 SGS ASSAYERS
8282 SHERBROOKE STREET
VANCOUVER BC V5X 4R6


Date: Jun 11, 2013

P.O. No. : Northern Waterworks RL1301575
Project No. : -
No. Of Samples : 18
Date Submitted : May 22, 2013
Report Comprises : Pages 1 to 5
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

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

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	Ag ICP12B 2 ppm	Al ICP12B 0.01 %	As ICP12B 3 ppm	Ba ICP12B 5 ppm	Bi ICP12B 5 ppm	Be ICP12B 0.5 ppm	Ca ICP12B 0.01 %	Cd ICP12B 1 ppm	Co ICP12B 1 ppm	Cr ICP12B 1 ppm
JL-043-13	<2	0.50	23	22	<5	<0.5	2.14	1	10	31
JL-044-13	<2	0.22	<3	45	<5	<0.5	0.23	3	6	17
JL-045-13	<2	0.05	<3	38	<5	<0.5	0.24	<1	2	21
JL-046-13	<2	1.52	<3	72	<5	<0.5	1.20	1	31	35
JL-047-13	<2	0.21	<3	95	<5	<0.5	0.30	2	4	11
JL-048-13	<2	0.77	<3	25	<5	<0.5	0.75	<1	29	116
JL-049-13	<2	1.10	5	78	<5	<0.5	1.34	<1	14	36
JL-050-13	<2	0.22	<3	152	<5	<0.5	0.60	2	5	8
JL-051-13	<2	0.85	<3	112	<5	<0.5	0.29	<1	21	81
GBZ-039-13	<2	0.40	<3	34	<5	<0.5	0.60	4	18	19
GBZ-040-13	<2	0.09	40	64	<5	<0.5	0.04	7	4	16
GBZ-041-13	<2	0.94	<3	54	<5	<0.5	0.89	7	22	24
GBZ-042-13	<2	1.06	16	39	<5	<0.5	0.62	2	41	75
GBZ-043-13	6	0.31	2470	21	<5	<0.5	0.39	2	82	33
GBZ-044-13	<2	0.05	<3	63	<5	<0.5	0.20	<1	2	15
GBZ-045-13	<2	2.52	<3	149	<5	<0.5	0.77	1	26	260
GBZ-046-13	<2	0.07	<3	25	<5	<0.5	0.31	1	3	14
GBZ-047-13	<2	2.37	<3	110	<5	<0.5	0.99	2	32	92

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Element Method Det.Lim. Units	Cu ICP12B 0.5 ppm	Fe ICP12B 0.01 %	Hg ICP12B 1 ppm	K ICP12B 0.01 %	La ICP12B 0.5 ppm	Li ICP12B 1 ppm	Mg ICP12B 0.01 %	Mn ICP12B 2 ppm	Mo ICP12B 1 ppm	Na ICP12B 0.01 %
JL-043-13	55.2	3.71	3	0.05	3.9	3	0.18	572	1	0.03
JL-044-13	94.1	8.69	1	0.08	8.2	2	0.25	317	3	0.02
JL-045-13	21.8	1.56	2	0.02	<0.5	1	0.16	181	<1	0.01
JL-046-13	160	4.50	<1	0.28	3.1	11	0.61	273	1	0.13
JL-047-13	52.4	6.41	<1	0.05	1.2	2	0.38	327	<1	0.02
JL-048-13	132	2.06	<1	0.05	1.9	12	0.76	324	<1	0.09
JL-049-13	70.2	2.24	1	0.16	3.5	16	1.01	356	1	0.10
JL-050-13	21.7	5.29	2	0.07	<0.5	1	0.39	623	<1	0.02
JL-051-13	76.6	2.25	<1	0.14	<0.5	13	0.97	154	3	0.04
GBZ-039-13	276	12.6	<1	0.02	0.6	2	0.15	492	1	0.03
GBZ-040-13	95.8	>15.0	2	0.07	<0.5	1	0.05	90	15	0.04
GBZ-041-13	464	>15.0	<1	0.04	1.0	3	0.34	1070	2	0.05
GBZ-042-13	299	5.66	1	0.33	7.6	16	0.64	326	2	0.04
GBZ-043-13	1110	6.00	<1	0.06	1.8	3	0.18	155	1	0.02
GBZ-044-13	22.9	1.72	<1	0.02	<0.5	1	0.16	204	<1	0.01
GBZ-045-13	18.2	3.30	<1	1.27	4.1	50	2.09	353	<1	0.11
GBZ-046-13	24.0	4.01	<1	0.02	1.5	1	0.24	253	<1	0.01
GBZ-047-13	127	5.22	<1	1.01	4.8	29	1.34	348	<1	0.17

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Element Method Det.Lim. Units	Ni ICP12B 1 ppm	P ICP12B 0.01 %	Pb ICP12B 2 ppm	S ICP12B 0.01 %	Sb ICP12B 5 ppm	Sc ICP12B 0.5 ppm	Sn ICP12B 10 ppm	Sr ICP12B 0.5 ppm	Ti ICP12B 0.01 %	V ICP12B 1 ppm
JL-043-13	38	0.02	3	0.82	<5	0.6	<10	10.8	0.01	6
JL-044-13	33	0.01	28	0.33	<5	0.6	<10	7.0	0.02	22
JL-045-13	8	<0.01	3	0.14	<5	<0.5	<10	2.7	<0.01	1
JL-046-13	46	0.04	<2	1.78	<5	4.4	<10	22.5	0.10	56
JL-047-13	12	0.03	15	0.49	<5	<0.5	<10	10.1	<0.01	6
JL-048-13	148	0.02	<2	0.20	<5	3.8	<10	4.4	0.05	34
JL-049-13	32	0.06	2	0.12	<5	3.4	<10	12.4	0.04	34
JL-050-13	21	0.02	<2	0.82	<5	<0.5	<10	5.8	0.01	4
JL-051-13	71	0.01	<2	0.24	<5	2.6	<10	6.2	0.02	22
GBZ-039-13	47	0.01	13	3.08	<5	2.0	<10	3.3	0.03	56
GBZ-040-13	6	0.01	84	0.59	<5	<0.5	<10	4.7	0.03	33
GBZ-041-13	47	0.03	13	2.64	<5	1.8	<10	4.8	0.03	37
GBZ-042-13	223	0.03	14	2.76	<5	2.4	<10	14.1	0.08	33
GBZ-043-13	256	<0.01	20	4.40	<5	0.5	<10	7.2	0.02	17
GBZ-044-13	7	0.01	8	0.13	<5	<0.5	<10	2.9	<0.01	2
GBZ-045-13	80	0.02	<2	0.02	<5	3.8	<10	20.8	0.18	93
GBZ-046-13	15	<0.01	6	0.16	<5	<0.5	<10	4.7	<0.01	3
GBZ-047-13	49	0.05	3	1.20	<5	7.8	<10	16.8	0.20	118

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Element	W	Y	Zn	Zr	Fe
Method	ICP12B	ICP12B	ICP12B	ICP12B	ICP90Q
Det.Lim.	10	0.5	1	0.5	0.01
Units	ppm	ppm	ppm	ppm	%
JL-043-13	<10	4.5	45	3.3	N.A.
JL-044-13	<10	2.5	10	3.3	N.A.
JL-045-13	<10	0.8	16	0.8	N.A.
JL-046-13	<10	5.2	17	2.5	N.A.
JL-047-13	<10	1.3	11	2.6	N.A.
JL-048-13	<10	2.8	19	2.8	N.A.
JL-049-13	<10	5.9	31	3.0	N.A.
JL-050-13	<10	1.5	28	2.8	N.A.
JL-051-13	<10	0.8	20	1.2	N.A.
GBZ-039-13	<10	1.8	50	3.1	N.A.
GBZ-040-13	<10	<0.5	36	15.6	39.5
GBZ-041-13	<10	3.1	115	7.3	33.4
GBZ-042-13	<10	4.9	127	9.4	N.A.
GBZ-043-13	<10	1.9	10	3.0	N.A.
GBZ-044-13	<10	1.0	18	0.9	N.A.
GBZ-045-13	<10	1.9	44	2.2	N.A.
GBZ-046-13	<10	1.5	9	1.5	N.A.
GBZ-047-13	<10	5.1	46	3.1	N.A.

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