



## Certificate of Analysis

Work Order : VC130824

[Report File No.: 0000000512]

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

Date: May 04, 2013

P.O. No. : Northern Waterworks RL1301067  
Project No. : -  
No. Of Samples : 17  
Date Submitted : Apr 08, 2013  
Report Comprises : Pages 1 to 5  
(Inclusive of Cover Sheet)

### Distribution of unused material:

Active files - upstairs:

Certified By :

John Chiang  
QC 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
CT-000001	<2	1.00	<3	35	<5	<0.5	0.60	<1	7	10
CT-002-13	<2	1.41	<3	28	11	<0.5	0.73	<1	11	12
CT-003-13	<2	1.01	<3	16	5	<0.5	1.87	<1	15	29
CT-004-13	<2	0.75	<3	18	<5	<0.5	1.00	<1	7	20
CT-005-13	<2	1.19	41	46	5	<0.5	0.50	<1	5	22
CT-006-13	<2	1.29	5	59	5	<0.5	1.10	<1	4	20
CT-007-13	<2	0.86	18	38	<5	<0.5	0.31	<1	4	18
CT-008-13	<2	1.12	5	9	<5	<0.5	0.07	<1	72	1140
CT-009-13	<2	1.37	6	10	<5	<0.5	0.17	<1	60	930
CT-010-13	<2	0.89	<3	7	<5	<0.5	1.12	<1	7	21
CT-011-13	<2	1.17	3	60	13	<0.5	0.82	<1	15	14
CT-012-13	<2	0.41	4	9	10	<0.5	0.53	<1	7	28
CT-013-13	<2	1.35	5	15	9	<0.5	1.35	<1	18	29
JL-014-13	<2	1.71	4	202	22	<0.5	1.91	<1	34	69
JL-015-13	<2	1.00	<3	43	10	<0.5	1.01	<1	14	42
JL-016-13	<2	1.58	3	26	15	<0.5	1.75	<1	21	55
CT-014-12	<2	0.56	13	6	<5	<0.5	0.08	<1	71	1100

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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 %
CT-000001	9.3	1.61	<1	0.22	23.8	16	0.65	303	<1	0.09
CT-002-13	4.9	2.38	<1	0.12	33.5	24	1.08	379	<1	0.06
CT-003-13	63.4	2.05	<1	0.12	1.9	17	0.85	495	<1	0.10
CT-004-13	16.2	1.26	<1	0.03	1.6	11	0.54	296	<1	0.07
CT-005-13	10.9	1.47	<1	0.32	18.9	17	0.43	315	2	0.05
CT-006-13	7.0	1.20	<1	0.38	24.5	12	0.30	254	<1	0.11
CT-007-13	7.4	1.21	<1	0.22	15.2	12	0.33	289	1	0.03
CT-008-13	63.5	4.24	<1	0.03	1.3	3	7.31	439	<1	0.01
CT-009-13	66.8	3.72	<1	<0.01	1.6	2	5.73	422	<1	0.01
CT-010-13	7.8	1.13	<1	0.03	1.5	8	0.56	251	<1	0.11
CT-011-13	37.4	2.62	<1	0.37	36.9	36	0.92	285	<1	0.07
CT-012-13	74.2	1.51	<1	0.10	3.4	7	0.36	227	1	0.06
CT-013-13	356	4.09	<1	0.10	2.3	17	0.98	572	<1	0.14
JL-014-13	134	5.73	<1	0.43	7.4	33	1.91	408	<1	0.13
JL-015-13	77.3	1.67	<1	0.12	2.3	13	0.82	280	2	0.17
JL-016-13	54.9	3.27	<1	0.11	7.2	33	1.49	436	1	0.07
CT-014-12	1.2	4.10	2	0.01	0.6	5	>15.0	439	<1	0.01

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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
CT-000001	14	0.06	2	0.04	<5	1.0	<10	14.2	0.05	16
CT-002-13	17	0.10	2	0.02	<5	1.8	<10	39.5	0.11	37
CT-003-13	32	0.11	<2	0.16	<5	5.8	<10	7.4	0.06	59
CT-004-13	15	0.02	<2	0.02	<5	3.5	<10	5.1	0.06	32
CT-005-13	16	0.03	7	0.09	<5	1.4	<10	23.0	0.05	18
CT-006-13	9	0.04	11	0.02	<5	1.7	<10	78.1	0.06	16
CT-007-13	12	0.03	7	0.02	<5	0.6	<10	12.7	0.02	11
CT-008-13	862	0.01	3	0.06	<5	3.6	<10	3.1	0.01	57
CT-009-13	632	0.01	2	0.05	<5	3.7	<10	4.3	0.01	59
CT-010-13	16	0.02	<2	0.01	<5	4.1	<10	9.8	0.05	32
CT-011-13	22	0.15	<2	0.40	<5	1.9	<10	26.9	0.12	46
CT-012-13	15	<0.01	<2	0.18	<5	2.2	<10	4.6	0.09	38
CT-013-13	48	0.02	4	0.97	7	6.3	<10	10.6	0.08	60
JL-014-13	25	0.45	4	0.24	<5	7.2	<10	35.2	0.20	177
JL-015-13	34	0.03	3	0.09	<5	6.8	<10	7.9	0.11	67
JL-016-13	27	0.04	<2	0.11	<5	10.0	<10	16.3	0.12	122
CT-014-12	1320	<0.01	2	0.04	<5	7.6	<10	2.7	0.01	43

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Element	W	Y	Zn	Zr
Method	ICP12B	ICP12B	ICP12B	ICP12B
Det.Lim.	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm
CT-000001	<10	5.3	35	13.5
CT-002-13	<10	6.6	66	7.1
CT-003-13	<10	6.5	31	2.5
CT-004-13	<10	3.1	19	1.5
CT-005-13	<10	4.5	50	12.7
CT-006-13	<10	6.2	18	9.0
CT-007-13	<10	4.0	39	11.8
CT-008-13	<10	1.1	21	0.9
CT-009-13	<10	1.3	30	0.8
CT-010-13	<10	2.5	13	2.0
CT-011-13	<10	4.8	33	8.1
CT-012-13	<10	4.2	18	5.2
CT-013-13	<10	5.1	39	3.3
JL-014-13	<10	7.7	54	7.9
JL-015-13	<10	3.3	24	3.2
JL-016-13	<10	6.4	41	3.4
CT-014-12	<10	1.6	16	1.3

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