



Certificate of Analysis

Work Order : VC131186

[Report File No.: 000001016]

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


Date: Jun 05, 2013

P.O. No. : Northern Waterworks RL1301629
Project No. : -
No. Of Samples : 11
Date Submitted : May 28, 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 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 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-052-13	<2	3.80	<3	236	<5	0.6	0.69	4	40	92
JL-053-13	4	1.14	12	79	<5	<0.5	0.54	4	41	45
JL-054-13	<2	2.81	<3	217	<5	0.6	0.82	4	32	60
JL-055-13	<2	0.90	26	48	<5	<0.5	0.57	2	19	22
JL-056-13	<2	0.68	40	40	<5	<0.5	0.51	2	15	18
JL-057-13	<2	0.44	62	24	<5	<0.5	0.71	2	20	21
JL-058-13	<2	3.09	<3	115	<5	0.6	1.14	2	24	90
JL-059-13	5	1.65	57	53	<5	0.5	0.20	12	47	56
JL-060-13	<2	0.10	6	9	<5	<0.5	0.45	<1	5	14
JL-061-13	<2	0.33	14	12	<5	<0.5	1.58	<1	8	27
JL-062-13	<2	1.75	12	48	<5	<0.5	3.28	2	38	11

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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-052-13	151	8.14	<1	2.34	5.5	78	2.03	680	2	0.13
JL-053-13	100	10.6	<1	0.45	4.8	28	1.27	444	13	0.04
JL-054-13	439	9.54	2	1.08	5.9	47	1.40	462	2	0.10
JL-055-13	120	4.61	<1	0.12	3.4	15	0.70	222	2	0.06
JL-056-13	90.0	5.04	<1	0.17	3.9	18	0.79	206	2	0.02
JL-057-13	152	5.21	<1	0.06	4.3	13	0.54	169	2	0.02
JL-058-13	107	6.06	<1	1.18	7.6	50	1.42	414	3	0.10
JL-059-13	242	7.58	<1	0.77	8.8	46	1.18	245	5	0.02
JL-060-13	47.7	1.71	<1	0.02	2.3	3	0.16	90	<1	<0.01
JL-061-13	22.5	1.29	1	0.06	2.4	4	0.37	302	2	0.03
JL-062-13	132	4.21	1	0.72	2.4	37	1.02	637	1	0.04

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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-052-13	104	0.03	13	2.86	<5	25.2	<10	10.0	0.38	253
JL-053-13	73	0.03	37	2.08	<5	3.4	<10	9.1	0.08	76
JL-054-13	128	0.03	26	3.66	<5	11.7	<10	13.5	0.24	160
JL-055-13	63	0.02	16	2.14	<5	1.9	<10	7.3	0.06	58
JL-056-13	46	0.07	17	1.56	<5	2.0	<10	5.7	0.07	40
JL-057-13	93	0.15	26	3.24	<5	1.4	<10	6.2	0.03	24
JL-058-13	67	0.03	20	1.96	<5	22.6	<10	13.5	0.22	221
JL-059-13	172	0.03	149	>5.00	<5	5.6	<10	4.7	0.05	71
JL-060-13	20	<0.01	33	0.08	<5	<0.5	<10	4.0	<0.01	5
JL-061-13	17	0.06	<2	0.10	<5	1.5	<10	10.4	0.06	25
JL-062-13	30	0.05	3	0.67	<5	6.2	<10	12.7	0.20	141

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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
JL-052-13	<10	4.9	408	9.7
JL-053-13	<10	4.6	134	6.1
JL-054-13	<10	4.2	182	6.6
JL-055-13	<10	3.8	237	4.5
JL-056-13	<10	5.5	96	3.8
JL-057-13	<10	6.5	47	3.5
JL-058-13	10	6.2	453	7.2
JL-059-13	20	3.4	1570	16.1
JL-060-13	<10	1.2	50	1.3
JL-061-13	<10	4.2	17	1.7
JL-062-13	10	6.8	59	3.2

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