Certificate of Analysis
Work Order : LK1701261
[Report File No.: 0000011069]

Date: July 26, 2017

To: **Frank_Kendle**
TRI-ORIGIN EXPLORATION LTD
125 DON HILLOCK DRIVE UNIT 18
AURORA ON L4G 0H8

P.O. No.: South Abitibi TA-2
Project No.: SOUTH ABITIBI TA-2
Samples: 12
Received: Jun 30, 2017
Pages: Page 1 to 9
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
12	G_WGH79	Weighing of samples and reporting of weights
12	G_PRP89	Weigh, Dry, to 3kg, Crush 75% -2mm, Split to 250g, Pulverise to 85% -75µm
4	ZMS_ICM90A	Package Price - GE_ICM90A (GE_IC90A+GE_IC90M)
4	GE_IC90A	@Package, ICPAES after Sodium Peroxide Fusion-Graphite Crucibles
4	GE_IC90M	@Package, ICPMS after Sodium Peroxide Fusion-Graphite Crucibles
12	GE_FAA313	@Au, FAS, AAS, 30g-5ml

Storage: Pulp & Reject

REJECT STORAGE : DISCARD
PULP STORAGE : DISCARD

Comments:

Exploration quality assays - not suitable for commercial exchange

Certified By : _____
Brett Pipher
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
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

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .

Final : LK1701261 Order: South Abitibi TA-2

Report File No.: 0000011069

Element	WtKg	@Al	@Ba	@Be	@Ca	@Cr	@Cu	@Fe
Method	G_WGH79	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A
Det.Lim.	0.001	0.01	10	5	0.1	10	10	0.01
Units	kg	%	ppm	ppm	%	ppm	ppm	%
429436	1.064	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429437	0.941	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429438	1.439	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429439	1.323	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429440	0.931	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429441	0.875	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429442	0.909	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429443	0.756	8.53	372	<5	7.6	397	58	5.32
429444	1.133	7.84	224	<5	6.5	219	153	10.0
429445	0.846	7.94	61	<5	5.9	456	52	6.71
429446	1.057	8.83	347	<5	1.5	119	24	6.46
429447	0.960	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429446		9.11	348	<5	1.6	120	28	6.61

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .

Final : LK1701261 Order: South Abitibi TA-2

Report File No.: 0000011069

Element	@K	@Li	@Mg	@Mn	@Ni	@P	@Sc	Si
Method	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A
Det.Lim.	0.1	10	0.01	10	5	0.01	5	0.1
Units	%	ppm	%	ppm	ppm	%	ppm	%
429436	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429437	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429438	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429439	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429440	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429441	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429442	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429443	0.9	28	2.05	1124	120	0.08	29	26.8
429444	0.7	42	4.99	1833	120	0.03	42	22.4
429445	0.3	32	5.39	1052	172	0.01	34	24.0
429446	2.8	41	0.79	388	24	0.05	11	27.0
429447	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429446	2.8	45	0.82	400	19	0.06	12	26.9

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .

Final : LK1701261 Order: South Abitibi TA-2

Report File No.: 0000011069

Element	@Sr	@Ti	@V	@Zn	@Ag	@As	@Bi	@Cd
Method	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A
Det.Lim.	10	0.01	5	5	1	5	0.1	0.2
Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
429436	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429437	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429438	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429439	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429440	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429441	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429442	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429443	334	0.54	213	80	<1	<5	0.2	<0.2
429444	170	0.76	385	121	<1	<5	0.3	<0.2
429445	124	0.32	203	76	<1	<5	<0.1	<0.2
429446	143	0.46	146	47	<1	6	0.6	<0.2
429447	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429446	146	0.48	145	48				
*Rep 429446					<1	7	0.6	<0.2

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .

Final : LK1701261 Order: South Abitibi TA-2

Report File No.: 0000011069

Element	@Ce	@Co	@Cs	@Dy	@Er	@Eu	@Ga	@Gd
Method	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A
Det.Lim.	0.1	0.5	0.1	0.05	0.05	0.05	1	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
429436	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429437	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429438	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429439	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429440	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429441	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429442	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429443	28.5	28.2	1.5	3.43	2.03	1.14	20	3.25
429444	6.6	54.1	1.3	3.79	2.36	0.83	18	3.07
429445	5.9	54.1	0.6	1.39	0.82	0.41	12	1.12
429446	29.2	22.6	2.4	1.57	0.77	0.94	24	2.08
429447	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429446	31.3	24.0	2.6	1.65	0.89	0.95	26	2.28

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .

Final : LK1701261 Order: South Abitibi TA-2

Report File No.: 0000011069

Element	@Ge	@Hf	@Ho	@In	@La	@Lu	@Mo	@Nb
Method	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A
Det.Lim.	1	1	0.05	0.2	0.1	0.05	2	1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
429436	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429437	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429438	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429439	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429440	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429441	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429442	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429443	1	3	0.64	<0.2	12.4	0.25	4	5
429444	2	2	0.74	<0.2	2.3	0.34	4	2
429445	1	<1	0.27	<0.2	2.6	0.09	<2	<1
429446	1	4	0.26	<0.2	14.5	0.08	6	4
429447	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429446	1	4	0.30	<0.2	15.6	0.09	7	4

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .

Final : LK1701261 Order: South Abitibi TA-2

Report File No.: 0000011069

Element	@Nd	@Pb	@Pr	@Rb	@Sb	@Sm	@Sn	@Ta
Method	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
429436	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429437	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429438	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429439	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429440	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429441	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429442	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429443	15.1	<5	3.81	44.7	0.4	3.3	<1	<0.5
429444	6.0	<5	1.16	34.2	<0.1	2.1	<1	<0.5
429445	3.5	<5	0.82	12.8	<0.1	1.0	<1	<0.5
429446	13.6	8	3.65	114	0.2	2.7	<1	<0.5
429447	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429446	14.3	9	3.87	121	0.1	2.8	<1	<0.5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .

Final : LK1701261 Order: South Abitibi TA-2

Report File No.: 0000011069

Element	@Tb	@Th	@Tl	@Tm	@U	@W	@Y	@Yb
Method	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A	GE_ICM90A
Det.Lim.	0.05	0.1	0.5	0.05	0.05	1	0.5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
429436	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429437	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429438	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429439	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429440	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429441	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429442	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429443	0.53	1.2	<0.5	0.29	0.21	<1	19.9	1.9
429444	0.55	0.2	<0.5	0.36	0.05	1	22.0	2.3
429445	0.18	0.4	<0.5	0.11	0.09	<1	7.7	0.8
429446	0.25	1.9	0.7	0.11	0.61	1	8.6	0.8
429447	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429446	0.28	2.0	0.7	0.11	0.68	1	8.9	0.8

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .

Final : LK1701261 Order: South Abitibi TA-2

Report File No.: 0000011069

Element	@Zr	@Au
Method	GE_ICM90A	GE_FAA313
Det.Lim.	0.5	5
Units	ppm	ppb
429436	N.A.	<5
429437	N.A.	<5
429438	N.A.	<5
429439	N.A.	7
429440	N.A.	10
429441	N.A.	8
429442	N.A.	<5
429443	112	<5
429444	55.4	<5
429445	31.4	8
429446	138	<5
429447	N.A.	<5
*Rep 429437		<5
*Rep 429446	142	

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .