Certificate of Analysis
Work Order : LK1701303
[Report File No.: 0000011115]

Date: July 27, 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: 8
Received: Jul 10, 2017
Pages: Page 1 to 9
(Inclusive of Cover Sheet)

Methods Summary

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

Storage: Pulp & Reject

PULP STORAGE : DISCARD
REJECT STORAGE : DISCARD

Comments:

Control 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 : LK1701303 Order: South Abitibi TA-2

Report File No.: 0000011115

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	%
429469	0.833	8.13	322	<5	5.0	74	25	8.71
429470	0.716	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429471	0.877	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429472	1.337	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429473	0.335	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429474	1.512	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429475	1.027	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429476	0.652	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429469		8.19	320	<5	5.0	72	24	8.81

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 : LK1701303 Order: South Abitibi TA-2

Report File No.: 0000011115

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	%
429469	1.1	15	2.39	1450	54	0.06	27	24.5
429470	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429471	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429472	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429473	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429474	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429475	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429476	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429469	1.2	17	2.41	1455	58	0.07	28	24.9

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 : LK1701303 Order: South Abitibi TA-2

Report File No.: 0000011115

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
429469	207	0.65	253	117	<1	<5	0.5	<0.2
429470	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429471	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429472	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429473	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429474	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429475	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429476	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429469	205	0.66	254	117				
*Rep 429469					<1	<5	0.3	<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 : LK1701303 Order: South Abitibi TA-2

Report File No.: 0000011115

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
429469	23.8	36.5	1.9	3.72	2.39	1.11	23	3.40
429470	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429471	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429472	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429473	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429474	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429475	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429476	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429469	24.7	37.5	2.0	3.82	2.54	1.15	24	3.25

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 : LK1701303 Order: South Abitibi TA-2

Report File No.: 0000011115

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
429469	2	3	0.81	<0.2	11.2	0.37	6	4
429470	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429471	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429472	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429473	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429474	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429475	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429476	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429469	2	3	0.80	<0.2	11.6	0.37	7	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 : LK1701303 Order: South Abitibi TA-2

Report File No.: 0000011115

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
429469	13.2	<5	3.04	66.8	0.5	3.0	<1	<0.5
429470	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429471	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429472	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429473	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429474	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429475	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429476	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429469	13.4	<5	3.10	68.8	0.3	3.1	<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 : LK1701303 Order: South Abitibi TA-2

Report File No.: 0000011115

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
429469	0.62	1.3	<0.5	0.33	0.33	2	22.0	2.5
429470	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429471	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429472	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429473	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429474	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429475	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429476	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429469	0.64	1.4	<0.5	0.36	0.34	2	22.6	2.5

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 : LK1701303 Order: South Abitibi TA-2

Report File No.: 0000011115

Element	@Zr	@Au
Method	GE_ICM90A	GE_FAA313
Det.Lim.	0.5	5
Units	ppm	ppb
429469	98.1	<5
429470	N.A.	<5
429471	N.A.	7
429472	N.A.	<5
429473	N.A.	<5
429474	N.A.	6
429475	N.A.	<5
429476	N.A.	162
*Rep 429471		7
*Rep 429469	103	

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 .