Certificate of Analysis
Work Order : LK1701094
[Report File No.: 0000010946]

Date: July 19, 2017

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

P.O. No.: -
Project No.: SOUTH ABITIBI TA-2
Samples: 13
Received: Jun 12, 2017
Pages: Page 1 to 9
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
13	G_PRP89	Weigh, Dry, to 3kg, Crush 75% -2mm, Split to 250g, Pulverise to 85% -75µm
13	G_WGH79	Weighing of samples and reporting of weights
2	ZMS_ICM90A	Package Price - GE_ICM90A (GE_IC90A+GE_IC90M)
2	GE_IC90A	@Package, ICPAES after Sodium Peroxide Fusion-Graphite Crucibles
2	GE_IC90M	@Package, ICPMS after Sodium Peroxide Fusion-Graphite Crucibles
13	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

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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	%
429301	0.950	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429302	1.178	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429303	0.280	7.67	36	<5	0.4	241	9493	4.28
429304	0.204	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429305	0.643	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429306	1.384	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429307	1.443	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429308	1.404	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429309	2.505	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429310	1.561	7.16	398	<5	1.8	171	34	3.59
429311	0.793	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429312	0.794	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429313	0.969	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429303		7.44	36	<5	0.4	241	9168	4.25

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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	%
429301	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429302	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429303	0.2	17	1.00	229	49	0.10	13	>30.0
429304	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429306	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429307	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429308	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429309	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429310	0.7	<10	0.27	378	7	0.04	8	27.8
429311	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429312	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429313	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429303	0.1	17	1.01	230	43	0.12	13	>30.0

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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
429301	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429302	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429303	57	0.31	79	21	<1	<5	0.5	<0.2
429304	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429306	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429307	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429308	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429309	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429310	186	0.26	19	24	<1	<5	0.2	<0.2
429311	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429312	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429313	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429303	55	0.30	79	21				
*Rep 429303					<1	<5	0.4	<0.2

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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
429301	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429302	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429303	51.4	39.6	0.5	2.58	1.30	0.98	16	3.06
429304	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429306	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429307	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429308	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429309	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429310	36.6	5.2	0.6	3.20	1.90	1.62	15	3.08
429311	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429312	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429313	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429303	51.4	39.1	0.5	2.51	1.42	0.93	15	2.89

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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
429301	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429302	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429303	<1	6	0.51	0.3	24.4	0.23	<2	6
429304	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429306	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429307	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429308	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429309	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429310	<1	10	0.66	<0.2	18.6	0.33	<2	6
429311	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429312	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429313	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429303	<1	6	0.48	0.3	24.3	0.23	2	6

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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
429301	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429302	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429303	24.8	5	6.47	4.8	0.5	4.1	2	<0.5
429304	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429306	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429307	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429308	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429309	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429310	16.6	6	4.33	19.2	0.2	3.4	<1	<0.5
429311	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429312	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429313	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429303	24.2	<5	6.47	4.6	0.9	4.2	2	<0.5

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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
429301	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429302	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429303	0.46	6.3	<0.5	0.24	2.46	2	13.3	1.4
429304	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429306	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429307	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429308	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429309	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429310	0.53	4.0	<0.5	0.33	1.09	<1	17.2	2.1
429311	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429312	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
429313	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429303	0.46	5.9	<0.5	0.22	2.36	2	13.1	1.4

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Element	@Zr	@Au
Method	GE_ICM90A	GE_FAA313
Det.Lim.	0.5	5
Units	ppm	ppb
429301	N.A.	<5
429302	N.A.	<5
429303	189	18
429304	N.A.	<5
429305	N.A.	<5
429306	N.A.	17
429307	N.A.	795
429308	N.A.	<5
429309	N.A.	11
429310	419	<5
429311	N.A.	151
429312	N.A.	879
429313	N.A.	30
*Rep 429302		<5
*Rep 429303	191	

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