Certificate of Analysis
Work Order : LK1701214 [Revision 1]
[Report File No.: 0000011002]

Date: July 21, 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: 10
Received: Jun 23, 2017
Pages: Page 1 to 9
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
10	G_PRP89	Weigh, Dry, to 3kg, Crush 75% -2mm, Split to 250g, Pulverise to 85% -75µm
10	G_WGH79	Weighing of samples and reporting of weights
9	ZMS_ICM90A	Package Price - GE_ICM90A (GE_IC90A+GE_IC90M)
9	GE_IC90A	@Package, ICPAES after Sodium Peroxide Fusion-Graphite Crucibles
9	GE_IC90M	@Package, ICPMS after Sodium Peroxide Fusion-Graphite Crucibles
10	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
This Certificate cancels and supersedes our original Certificate dated July 14th 2017
Issued by SGS Canada.

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	%
429383	1.071	1.77	<10	<5	5.6	1359	229	12.3
429384	1.589	3.37	<10	<5	2.5	888	439	14.5
429385	1.576	1.65	<10	<5	1.4	409	690	>25.0
429386	0.752	1.15	27	<5	1.7	245	749	>25.0
429387	0.860	8.11	311	<5	1.8	91	3462	8.94
429388	0.846	1.90	48	<5	2.4	275	549	>25.0
429389	1.416	3.40	26	<5	6.8	356	2414	17.4
429390	0.984	3.05	19	<5	1.7	1602	<10	10.4
429391	1.354	7.38	25	<5	6.7	348	233	2.20
429392	1.326	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429386		1.17	32	<5	1.7	242	756	>25.0

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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	%
429383	<0.1	<10	8.82	1425	276	<0.01	15	22.2
429384	<0.1	17	6.82	3066	520	0.02	15	22.4
429385	<0.1	<10	2.87	664	2669	<0.01	9	11.4
429386	0.1	<10	2.50	584	1046	0.01	<5	10.3
429387	0.9	19	1.78	2169	211	0.07	18	25.6
429388	0.3	<10	1.73	885	6915	0.01	<5	10.4
429389	0.2	<10	4.57	2519	1236	0.02	22	19.5
429390	<0.1	<10	16.4	1100	1643	0.01	10	19.1
429391	0.1	<10	0.45	482	56	<0.01	<5	>30.0
429392	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429386	0.1	<10	2.53	588	1057	0.01	<5	9.5

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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
429383	17	0.18	90	77	<1	14	0.8	<0.2
429384	<10	0.19	77	843	<1	<5	0.9	4.8
429385	<10	0.11	75	90	<1	<5	0.8	0.3
429386	<10	0.09	52	102	1	25	2.9	<0.2
429387	391	0.29	108	122	1	<5	0.1	0.3
429388	155	0.09	51	196	<1	<5	0.4	0.5
429389	215	0.23	109	191	1	6	2.0	0.3
429390	19	0.16	102	136	<1	<5	0.1	<0.2
429391	184	0.06	40	1023	<1	<5	0.3	5.1
429392	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429386	<10	0.09	52	102				
*Rep 429386					1	26	3.1	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
429383	4.4	124	0.3	0.95	0.57	0.22	6	0.85
429384	7.1	366	0.5	0.96	0.65	0.29	9	0.83
429385	6.9	467	0.3	0.96	0.52	0.26	5	0.89
429386	17.4	2144	0.2	0.54	0.33	0.27	4	0.77
429387	29.7	19.7	0.8	2.40	1.66	0.70	18	2.15
429388	8.6	150	0.5	0.74	0.37	0.30	6	0.76
429389	20.4	189	0.3	1.81	1.05	0.53	8	1.79
429390	3.0	104	0.9	0.70	0.43	0.23	8	0.67
429391	4.5	15.6	0.8	0.41	0.23	0.13	12	0.40
429392	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429386	19.4	2220	0.2	0.59	0.31	0.35	4	0.94

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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
429383	2	1	0.15	<0.2	1.7	0.10	<2	1
429384	2	1	0.24	0.2	3.1	0.16	3	4
429385	1	1	0.23	<0.2	3.2	0.14	4	<1
429386	2	<1	0.09	<0.2	8.9	0.10	6	1
429387	1	3	0.53	<0.2	13.7	0.29	3	4
429388	2	<1	0.17	0.3	4.1	0.06	3	<1
429389	1	2	0.34	<0.2	9.7	0.13	<2	4
429390	1	<1	0.15	<0.2	1.3	0.10	<2	<1
429391	2	<1	0.05	<0.2	2.9	<0.05	2	<1
429392	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429386	2	<1	0.11	<0.2	10.0	0.05	6	1

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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
429383	2.9	6	0.62	1.7	0.3	0.7	1	0.7
429384	3.8	6	0.96	1.7	0.1	0.8	2	<0.5
429385	3.5	11	0.87	1.0	0.2	0.8	2	<0.5
429386	6.7	12	1.88	3.0	0.2	1.1	2	<0.5
429387	12.1	5	3.39	21.9	<0.1	2.1	2	<0.5
429388	3.7	8	1.02	6.1	<0.1	0.7	1	<0.5
429389	9.2	9	2.36	3.6	0.3	1.8	2	<0.5
429390	2.0	<5	0.41	2.1	0.3	0.5	<1	<0.5
429391	2.6	243	0.69	3.0	0.1	0.4	<1	<0.5
429392	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429386	7.5	13	2.13	3.0	0.3	1.2	2	0.8

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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
429383	0.11	0.4	<0.5	0.06	0.19	<1	4.8	0.6
429384	0.15	1.2	<0.5	0.12	0.46	<1	5.7	0.8
429385	0.18	0.7	<0.5	0.10	0.20	<1	4.8	0.6
429386	0.09	0.4	<0.5	<0.05	0.16	<1	2.8	0.3
429387	0.32	2.2	<0.5	0.26	0.63	<1	15.6	1.9
429388	0.13	0.6	<0.5	0.08	0.14	<1	4.0	0.4
429389	0.27	1.4	<0.5	0.12	0.37	<1	10.8	1.1
429390	0.11	0.2	<0.5	0.06	<0.05	<1	3.8	0.4
429391	<0.05	0.3	<0.5	<0.05	0.39	1	2.2	0.2
429392	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep 429386	0.12	0.4	<0.5	<0.05	0.18	<1	3.0	0.3

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Element	@Zr	@Au
Method	GE_ICM90A	GE_FAA313
Det.Lim.	0.5	5
Units	ppm	ppb
429383	54.6	16
429384	48.9	43
429385	47.3	48
429386	23.3	97
429387	126	8
429388	25.7	39
429389	69.4	38
429390	10.9	<5
429391	7.7	10
429392	N.A.	9
*Rep 429386	26.9	
*Rep 429383		14

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