Certificate of Analysis

Work Order : LK1500367

[Report File No.: 0000005202]

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

Date: Sep 10, 2015

P.O. No.	:	-
Project No.	:	-
No. Of Samples	:	11
Date Submitted	:	Jul 23, 2015
Report Comprises	:	Pages 1 to 6 (Inclusive of Cover Sheet)

Distribution of unused material:
To Be Determined:

Comments:

Detection limit for Cu , Pb increased as indicated due to sample matrix interference

Certified By :

Debbie Waldon
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	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

For solid samples: Unless otherwise noted, all GT_ tests are reported on a dried at 105°C basis. Other tests are performed on an as received basis unless otherwise indicated. Exceptions will be marked. For example rec (e.g. Cu rec) indicates the results are reported on an as received basis or dry (e.g. Cu dry) indicates the results are reported on a dried basis.

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Element	@Ag	@Al	@As	@Ba	@Be	@Bi	@Ca	@Cd
Method	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B
Detection Limit	2	0.01	30	1	0.5	5	0.01	1
Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm
651022	9	0.18	<30	1	1.3	<5	0.54	<1
651023	<2	0.02	<30	1	<0.5	<5	0.04	<1
651024	7	0.77	<30	37	2.5	<5	0.65	<1
*Rep 651024	7	0.77	<30	37	2.5	<5	0.63	<1
651025	<2	3.82	<30	54	<0.5	<5	0.38	<1
651026	<2	5.80	<30	53	<0.5	<5	0.99	<1
651027	<2	3.68	<30	81	<0.5	<5	1.20	<1
651028	<2	6.54	<30	133	0.7	<5	1.30	<1
651029	<2	3.93	<30	59	<0.5	5	0.72	<1
651030	<2	5.68	<30	881	0.6	<5	1.03	<1
651031	<2	1.15	<30	28	<0.5	<5	0.95	<1
651032	<2	6.36	<30	554	0.9	<5	1.56	<1

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Element	@Co	@Cr	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B
Detection Limit	1	1	20	0.01	0.01	0.5	1	0.01
Units	ppm	ppm	ppm	%	%	ppm	ppm	%
651022	5	26	<20	>15.0	0.01	3.1	2	1.30
651023	<1	87	<20	0.23	<0.01	<0.5	1	<0.01
651024	5	39	<20	>15.0	0.18	5.2	6	1.58
*Rep 651024	5	53	<20	>15.0	0.18	5.3	6	1.55
651025	1	129	<20	0.62	0.13	2.0	3	0.12
651026	8	169	<20	2.14	0.13	28.0	7	0.94
651027	<1	169	<20	0.88	0.07	2.4	1	0.17
651028	2	104	<20	0.66	0.18	2.3	4	0.16
651029	4	129	<20	1.27	0.09	3.7	3	0.44
651030	6	183	<20	2.23	0.86	9.6	13	0.58
651031	4	201	<20	1.37	0.07	1.4	6	0.50
651032	2	175	21	3.19	0.75	18.0	15	0.56

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Element	@Mn	@Mo	@Na	@Ni	@P	@Pb	@S	@Sb
Method	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B
Detection Limit	2	1	0.01	1	0.01	20	0.01	5
Units	ppm	ppm	%	ppm	%	ppm	%	ppm
651022	335	7	0.02	4	0.13	<20	<0.01	12
651023	16	<1	0.01	6	<0.01	<20	<0.01	<5
651024	291	5	0.04	4	0.14	<20	<0.01	9
*Rep 651024	287	7	0.04	4	0.14	<20	<0.01	9
651025	54	1	2.46	6	<0.01	<20	<0.01	<5
651026	274	3	1.28	21	0.06	<20	<0.01	<5
651027	58	3	1.30	8	<0.01	<20	<0.01	<5
651028	68	3	3.45	6	<0.01	<20	0.01	<5
651029	130	2	1.22	13	0.01	<20	0.02	<5
651030	287	5	1.29	15	0.05	<20	0.02	<5
651031	223	1	0.13	12	<0.01	<20	0.04	<5
651032	278	4	1.30	19	0.03	<20	0.10	<5

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Element	@Sc	@Sn	@Sr	@Ti	@V	@W	@Y	@Zn
Method	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B	GE_ICP40B
Detection Limit	0.5	10	0.5	0.01	2	10	0.5	1
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
651022	<0.5	<10	12.1	<0.01	32	<10	10.6	247
651023	<0.5	<10	2.4	<0.01	<2	<10	<0.5	<1
651024	2.0	<10	10.9	0.03	40	<10	14.0	255
*Rep 651024	2.0	<10	10.9	0.03	40	<10	13.7	255
651025	1.6	<10	87.7	0.04	16	<10	1.2	8
651026	12.3	<10	256	0.36	199	<10	14.4	51
651027	3.3	<10	231	0.24	31	<10	6.0	11
651028	1.7	<10	421	0.05	17	<10	1.3	10
651029	3.8	<10	186	0.10	55	<10	4.5	21
651030	10.7	<10	303	0.29	97	<10	9.9	33
651031	2.7	<10	46.8	0.08	24	<10	3.6	26
651032	5.4	<10	599	0.20	47	<10	5.8	28

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Element	@Zr	@Au	WtKg
Method	GE_ICP40B	GE_FAA313	G_WGH79
Detection Limit	0.5	5	0.001
Units	ppm	ppb	kg
651022	7.8	<5	3.591
651023	1.0	<5	1.402
*Rep 651023		<5	
651024	14.0	8	1.681
*Rep 651024	14.4		
651025	10.0	<5	1.911
651026	144	24	1.846
651027	35.8	<5	0.435
651028	12.9	<5	0.907
651029	50.7	12	0.640
651030	92.6	<5	1.518
651031	11.4	<5	0.855
651032	81.5	<5	3.475

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