Certificate of Analysis

Work Order : LK1500368

[Report File No.: 0000005069]

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

Date: Aug 21, 2015

P.O. No.	:	-
Project No.	:	-
No. Of Samples	:	13
Date Submitted	:	Jul 23, 2015
Report Comprises	:	Pages 1 to 6 (Inclusive of Cover Sheet)

Distribution of unused material:
To Be Determined:

Comments:

Bi on samples 5,6,8,11,14 not determined due to sample matrix interference
Detection limit for Pb increased as indicated due to sample matrix interference

Certified By :

Sarah Thyret
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
651003	<2	6.22	<30	437	1.0	<5	0.55	<1
*Rep 651003	<2	6.25	<30	431	1.0	<5	0.54	<1
651004	4	6.90	<30	84	<0.5	<5	2.08	<1
651007	<2	6.70	<30	74	<0.5	<5	7.72	<1
651008	11	2.76	<30	54	<0.5	INF	1.19	<1
651009	12	0.21	31	<1	<0.5	INF	0.49	<1
651010	4	7.63	<30	433	0.6	<5	2.98	<1
651011	14	0.09	<30	<1	<0.5	INF	0.28	<1
651012	<2	7.09	<30	270	1.5	<5	0.36	<1
651013	5	9.66	<30	228	<0.5	<5	2.90	<1
651014	14	0.58	<30	12	<0.5	INF	0.27	<1
651015	4	5.77	<30	283	<0.5	<5	1.33	<1
651016	4	8.01	<30	300	0.8	<5	1.32	<1
651017	10	4.08	<30	34	<0.5	INF	4.91	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	0.5	0.01	0.01	0.5	1	0.01
Units	ppm	ppm	ppm	%	%	ppm	ppm	%
651003	2	44	8.5	0.52	3.08	6.8	4	0.03
*Rep 651003	2	56	8.4	0.52	2.99	6.5	4	0.03
651004	13	54	82.3	9.88	2.07	19.3	56	1.02
651007	16	100	9.9	8.10	0.36	1.7	17	3.00
651008	119	140	763	>15.0	0.85	2.5	12	0.54
651009	143	141	71.1	>15.0	<0.01	<0.5	1	0.38
651010	2	97	157	5.76	1.52	15.6	42	1.21
651011	102	128	141	>15.0	<0.01	<0.5	<1	0.37
651012	2	61	19.2	1.09	3.04	7.0	7	0.03
651013	8	97	1348	9.22	2.76	25.5	71	2.10
651014	26	58	1520	>15.0	0.03	<0.5	2	0.54
651015	5	132	354	12.1	0.53	19.6	36	1.77
651016	5	163	202	12.8	0.82	21.7	47	1.84
651017	395	197	>10000	13.6	0.19	12.9	17	2.62

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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
651003	95	<1	3.20	2	<0.01	<20	0.13	<5
*Rep 651003	94	<1	3.11	2	<0.01	<20	0.10	<5
651004	1407	4	0.93	22	0.07	<20	>5.00	<5
651007	1092	3	2.89	53	<0.01	<20	0.26	<5
651008	1077	9	0.27	37	0.02	226	>5.00	9
651009	513	11	0.01	27	<0.01	<20	>5.00	10
651010	2932	1	0.96	18	0.04	<20	1.17	<5
651011	251	12	<0.01	37	<0.01	<20	>5.00	19
651012	356	<1	3.22	2	<0.01	36	0.20	<5
651013	1500	5	0.16	14	0.09	<20	4.91	<5
651014	2650	8	0.01	140	<0.01	<20	>5.00	15
651015	1699	5	0.84	32	0.07	<20	3.48	<5
651016	1469	6	2.03	30	0.02	245	3.71	<5
651017	873	3	0.55	920	0.10	INF	>5.00	<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
651003	0.7	<10	26.1	0.02	<2	<10	8.0	24
*Rep 651003	0.7	<10	25.9	0.02	<2	<10	7.5	23
651004	9.7	<10	157	0.21	77	<10	12.0	136
651007	34.0	<10	168	0.79	409	<10	20.5	30
651008	9.4	<10	43.9	0.24	52	<10	8.0	245
651009	1.4	<10	5.4	<0.01	32	<10	1.1	30
651010	9.7	<10	211	0.25	63	<10	14.8	159
651011	1.0	<10	1.0	<0.01	30	<10	1.5	33
651012	2.0	<10	37.7	0.02	2	<10	15.9	10
651013	12.6	<10	262	0.38	114	<10	14.7	113
651014	<0.5	<10	2.7	0.02	35	<10	1.1	314
651015	12.5	<10	157	0.24	100	<10	10.7	189
651016	14.3	<10	112	0.34	161	<10	12.3	250
651017	30.8	<10	138	0.23	191	<10	20.3	229

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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
651003	47.6	<5	1.884
*Rep 651003	49.0		
651004	129	<5	2.919
651007	37.6	<5	2.072
651008	65.3	<5	1.130
*Rep 651008		<5	
651009	5.2	11	2.846
651010	153	6	1.660
651011	4.5	6	2.233
651012	104	<5	1.135
651013	169	<5	1.757
651014	7.8	<5	2.403
651015	132	<5	1.950
651016	89.8	<5	2.731
651017	15.1	353	0.852

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