# Certificate of Analysis

**Work Order: TO106594**

**To: Tri-Origin Exploration Ltd.**
Attn: Presitdent Robert Valliant
125 Don Hillock Drive
Unit 18
AURORA
ONTARIO L4G OH8

Date: Aug 12, 2009

| | | |
|---|---|---|
| P.O. No. | : | Project:red Lake Extension |
| Project No. | : | DEFAULT |
| No. Of Samples | : | 12 |
| Date Submitted | : | Jun 30, 2009 |
| Report Comprises | : | Pages 1 to 6 (Inclusive of Cover Sheet) |

**Distribution of unused material:**

Discard after 90 days: 12 Rocks

**Comments:**

XRF analyses were performed at the SGS Lakefield site.
Preparation of samples and Gold analyses were performed at the SGS Red Lake site

Certified By : _____
Gavin McGill
Operations Manager

***SGS Minerals Services (Toronto) 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
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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## Final : TO106594 Order: Project:red Lake Extension

| Element | SiO2 | Al2O3 | Fe2O3 | MgO | CaO | Na2O | K2O | TiO2 | P2O5 | MnO |
|---|---|---|---|---|---|---|---|---|---|---|
| Method | XRF76Z | XRF76Z | XRF76Z | XRF76Z | XRF76Z | XRF76Z | XRF76Z | XRF76Z | XRF76Z | XRF76Z |
| Det.Lim. | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Units | % | % | % | % | % | % | % | % | % | % |
| A173383 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| *Rep A173383 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173384 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173385 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173386 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173387 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173376 | 47.7 | 13.1 | 17.8 | 6.26 | 9.97 | 2.31 | 0.14 | 1.56 | 0.07 | 0.24 |
| A173377 | 48.7 | 18.5 | 9.32 | 7.06 | 11.1 | 2.48 | 0.27 | 1.22 | 0.09 | 0.19 |
| A173378 | 49.8 | 13.5 | 18.2 | 5.90 | 7.48 | 1.58 | 0.46 | 2.23 | 0.21 | 0.27 |
| A173379 | 46.3 | 16.1 | 13.1 | 8.44 | 10.3 | 2.56 | 0.18 | 0.84 | 0.06 | 0.20 |
| A173380 | 49.5 | 13.7 | 15.3 | 6.32 | 9.80 | 2.92 | 0.29 | 0.98 | 0.09 | 0.24 |
| A173381 | 47.6 | 15.8 | 13.7 | 6.91 | 11.7 | 2.70 | 0.32 | 1.04 | 0.08 | 0.22 |
| A173382 | 47.6 | 15.9 | 13.5 | 6.06 | 12.7 | 2.56 | 0.13 | 1.03 | 0.08 | 0.28 |

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## Final : TO106594 Order: Project:red Lake Extension

| Element | Cr2O3 | LOI | SUM | Be | Na | Mg | Al | P | K | Ca |
|---|---|---|---|---|---|---|---|---|---|---|
| Method | XRF76Z | XRF76Z | XRF76Z | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B |
| Det.Lim. | 0.01 | 0.01 | 0.01 | 0.5 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Units | % | % | % | ppm | % | % | % | % | % | % |
| A173383 | N.A. | N.A. | N.A. | <0.5 | 0.01 | 0.10 | 0.23 | 0.02 | 0.01 | 0.43 |
| *Rep A173383 | N.A. | N.A. | N.A. | <0.5 | 0.01 | 0.10 | 0.23 | 0.02 | 0.01 | 0.44 |
| A173384 | N.A. | N.A. | N.A. | 1.8 | 0.03 | 0.18 | 0.20 | <0.01 | 0.03 | 0.38 |
| A173385 | N.A. | N.A. | N.A. | <0.5 | 0.03 | 0.14 | 0.60 | 0.01 | 0.24 | 0.30 |
| A173386 | N.A. | N.A. | N.A. | <0.5 | <0.01 | 0.43 | 1.60 | 0.02 | 0.30 | 0.44 |
| A173387 | N.A. | N.A. | N.A. | <0.5 | 0.03 | 0.34 | 1.28 | 0.03 | 0.05 | 0.67 |
| A173376 | < 0.01 | 0.57 | 99.8 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173377 | 0.05 | 1.08 | 100.1 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173378 | 0.01 | 0.45 | 100.2 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173379 | 0.04 | 1.55 | 99.8 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173380 | 0.02 | 0.77 | 100.1 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173381 | 0.03 | 0.66 | 100.8 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173382 | 0.04 | 0.62 | 100.5 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element | Sc | Ti | V | Cr | Mn | Fe | Co | Ni | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|
| Method | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B |
| Det.Lim. | 0.5 | 0.01 | 2 | 1 | 2 | 0.01 | 1 | 1 | 0.5 | 0.5 |
| Units | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| A173383 | <0.5 | <0.01 | 6 | 17 | 321 | 3.95 | 3 | 6 | 93.2 | 49.6 |
| *Rep A173383 | <0.5 | <0.01 | 6 | 19 | 329 | 3.98 | 3 | 6 | 92.7 | 50.7 |
| A173384 | <0.5 | 0.05 | 5 | 18 | 585 | >15 | 40 | 86 | 263 | 89.6 |
| A173385 | 0.8 | 0.02 | 3 | 14 | 1600 | 5.26 | 5 | 13 | 132 | 16.7 |
| A173386 | 2.8 | 0.11 | 56 | 59 | 1420 | >15 | 17 | 38 | 215 | 577 |
| A173387 | 4.5 | 0.05 | 41 | 43 | 2000 | 6.37 | 19 | 31 | 291 | 319 |
| A173376 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173377 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173378 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173379 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173380 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173381 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173382 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element | As | Sr | Y | Zr | Mo | Ag | Cd | Sn | Sb | Ba |
|---|---|---|---|---|---|---|---|---|---|---|
| Method | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B |
| Det.Lim. | 3 | 0.5 | 0.5 | 0.5 | 1 | 2 | 1 | 10 | 5 | 1 |
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| A173383 | <3 | 10.2 | 3.1 | 0.8 | 2 | <2 | <1 | <10 | <5 | <1 |
| *Rep A173383 | <3 | 10.3 | 3.1 | 0.8 | 1 | <2 | <1 | <10 | 6 | <1 |
| A173384 | <3 | 4.0 | 4.9 | 5.5 | <1 | <2 | <1 | <10 | 27 | 28 |
| A173385 | <3 | 4.7 | 3.7 | 5.2 | <1 | <2 | <1 | <10 | <5 | 215 |
| A173386 | <3 | 8.8 | 6.7 | 4.4 | 4 | <2 | <1 | <10 | 27 | 247 |
| A173387 | 27 | 9.8 | 4.2 | 3.6 | 7 | <2 | 2 | <10 | 8 | 12 |
| A173376 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173377 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173378 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173379 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173380 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173381 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173382 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element | La | W | Pb | Bi | Li | Au |
|---|---|---|---|---|---|---|
| Method | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | @FAA313 |
| Det.Lim. | 0.5 | 10 | 2 | 5 | 1 | 5 |
| Units | ppm | ppm | ppm | ppm | ppm | ppb |
| A173383 | 1.1 | <10 | 9 | <5 | <1 | 56 |
| *Rep A173383 | 1.2 | <10 | 10 | <5 | <1 | |
| A173384 | 5.3 | 50 | <2 | <5 | 8 | 12 |
| A173385 | 1.1 | <10 | 12 | <5 | 31 | 13 |
| A173386 | 14.0 | 50 | 14 | <5 | 26 | 5 |
| A173387 | 4.1 | 10 | 9 | <5 | 7 | 23 |
| A173376 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173377 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173378 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173379 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173380 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173381 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| A173382 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| *Rep A173383 | | | | | | 21 |

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