



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 604 984 0221 Fax: +1 604 984 0218  
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To: TRIUMPH GOLD CORP.  
1111 MELVILLE STREET  
SUITE 1100  
VANCOUVER BC V6E 3V6

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Plus Appendix Pages  
Finalized Date: 18-SEP-2023  
Account: NOFREG

## CERTIFICATE WH23251100

Project: Tad Toro

This report is for 46 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2023.

The following have access to data associated with this certificate:

JESSE HALLE

MARTY HENNING

GRAEME HOPKINS

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                     |
|----------|---------------------------------|
| WEI-21   | Received Sample Weight          |
| LOG-21   | Sample logging - ClientBarCode  |
| LOG-23   | Pulp Login - Rcvd with Barcode  |
| CRU-QC   | Crushing QC Test                |
| PUL-QC   | Pulverizing QC Test             |
| CRU-31   | Fine crushing - 70% <2mm        |
| SPL-21   | Split sample - riffle splitter  |
| PUL-31   | Pulverize up to 250g 85% <75 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                 | INSTRUMENT |
|----------|-----------------------------|------------|
| Au-AA23  | Au 30g FA-AA finish         | AAS        |
| ME-MS61  | 48 element four acid ICP-MS |            |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Saa Traxler, Director, North Vancouver Operations



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**CERTIFICATE OF ANALYSIS WH23251100**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | WEI-21<br>Recvd Wt.<br>kg<br>0.02 | ME-MS61<br>Ag<br>ppm<br>0.01 | ME-MS61<br>Al<br>%<br>0.01 | ME-MS61<br>As<br>ppm<br>0.2 | ME-MS61<br>Ba<br>ppm<br>10 | ME-MS61<br>Be<br>ppm<br>0.05 | ME-MS61<br>Bi<br>ppm<br>0.01 | ME-MS61<br>Ca<br>%<br>0.01 | ME-MS61<br>Cd<br>ppm<br>0.02 | ME-MS61<br>Ce<br>ppm<br>0.01 | ME-MS61<br>Co<br>ppm<br>0.1 | ME-MS61<br>Cr<br>ppm<br>1 | ME-MS61<br>Cs<br>ppm<br>0.05 | ME-MS61<br>Cu<br>ppm<br>0.2 | ME-MS61<br>Fe<br>%<br>0.01 |
|--------------------|-----------------------------------|-----------------------------------|------------------------------|----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|----------------------------|------------------------------|------------------------------|-----------------------------|---------------------------|------------------------------|-----------------------------|----------------------------|
| D864486            |                                   | 4.79                              | 0.03                         | 6.75                       | 5.9                         | 1350                       | 3.28                         | 0.26                         | 1.72                       | 0.11                         | 45.9                         | 3.3                         | 7                         | 6.62                         | 4.6                         | 1.63                       |
| D864487            |                                   | 5.09                              | 0.05                         | 6.84                       | 6.8                         | 1520                       | 3.92                         | 1.42                         | 1.65                       | 0.21                         | 50.4                         | 3.4                         | 8                         | 10.65                        | 14.2                        | 1.68                       |
| D864488            |                                   | 5.29                              | 0.02                         | 6.78                       | 3.7                         | 1200                       | 3.77                         | 8.25                         | 1.57                       | 0.10                         | 48.5                         | 3.2                         | 6                         | 11.40                        | 5.6                         | 1.64                       |
| D864489            |                                   | 3.57                              | 0.04                         | 6.07                       | 5.0                         | 730                        | 2.96                         | 6.14                         | 1.42                       | 0.15                         | 37.3                         | 2.6                         | 7                         | 5.99                         | 11.0                        | 1.40                       |
| D864490            |                                   | 2.58                              | <0.01                        | 6.57                       | 3.6                         | 720                        | 2.37                         | 0.05                         | 1.09                       | 0.15                         | 38.2                         | 2.4                         | 6                         | 4.35                         | 5.0                         | 1.26                       |
| D864491            |                                   | 2.92                              | 0.02                         | 6.64                       | 4.0                         | 950                        | 2.67                         | 0.12                         | 1.05                       | 0.44                         | 40.3                         | 2.8                         | 7                         | 4.55                         | 8.1                         | 1.39                       |
| D864492            |                                   | 4.28                              | 0.03                         | 6.73                       | 3.7                         | 1220                       | 2.90                         | 0.05                         | 1.48                       | 0.13                         | 44.4                         | 2.7                         | 8                         | 5.83                         | 12.1                        | 1.43                       |
| D864493            |                                   | 2.61                              | 0.03                         | 7.01                       | 3.5                         | 1390                       | 2.91                         | 0.07                         | 0.82                       | 0.13                         | 49.5                         | 3.1                         | 10                        | 7.56                         | 6.3                         | 1.52                       |
| D864494            |                                   | 5.90                              | 0.02                         | 6.34                       | 2.0                         | 560                        | 2.41                         | 0.10                         | 1.23                       | 0.04                         | 33.6                         | 2.0                         | 7                         | 4.11                         | 1.3                         | 1.15                       |
| D864495            |                                   | 6.07                              | 0.05                         | 6.31                       | 2.3                         | 460                        | 2.65                         | 0.58                         | 0.81                       | 0.05                         | 32.5                         | 1.7                         | 7                         | 4.20                         | 3.3                         | 1.00                       |
| D864496            |                                   | 5.87                              | 0.03                         | 6.43                       | 2.3                         | 540                        | 3.52                         | 0.51                         | 0.90                       | 0.77                         | 31.9                         | 1.1                         | 7                         | 5.65                         | 4.0                         | 0.80                       |
| D864497            |                                   | 5.24                              | 0.13                         | 6.83                       | 3.2                         | 1520                       | 4.61                         | 11.80                        | 1.82                       | 7.75                         | 42.1                         | 2.5                         | 6                         | 8.99                         | 48.1                        | 1.59                       |
| D864498            |                                   | 5.92                              | 0.05                         | 6.66                       | 1.8                         | 1450                       | 4.70                         | 0.28                         | 1.51                       | 0.32                         | 44.7                         | 2.6                         | 6                         | 6.83                         | 3.5                         | 1.47                       |
| D864499            |                                   | 5.79                              | 0.02                         | 6.33                       | 5.9                         | 1230                       | 4.27                         | 0.25                         | 1.86                       | 0.10                         | 34.5                         | 2.8                         | 5                         | 7.41                         | 6.0                         | 1.36                       |
| D864500            |                                   | 0.12                              | 5.06                         | 6.57                       | 29.1                        | 300                        | 0.79                         | 1.20                         | 0.89                       | 6.10                         | 24.1                         | 14.4                        | 24                        | 7.71                         | 5360                        | 6.46                       |
| D864501            |                                   | 6.07                              | 0.03                         | 6.61                       | 1.5                         | 920                        | 3.57                         | 0.27                         | 1.24                       | 0.09                         | 36.4                         | 1.9                         | 5                         | 5.74                         | 4.6                         | 1.21                       |
| D864502            |                                   | 6.59                              | 0.05                         | 6.65                       | 1.1                         | 1630                       | 3.49                         | 1.70                         | 1.44                       | 0.13                         | 47.5                         | 2.7                         | 8                         | 6.72                         | 4.2                         | 1.48                       |
| D864503            |                                   | 0.96                              | 0.01                         | 0.08                       | <0.2                        | 10                         | 0.11                         | 0.01                         | 20.8                       | 0.02                         | 1.06                         | 0.5                         | 2                         | 0.14                         | 2.2                         | 0.13                       |
| D864504            |                                   | 1.43                              | 0.04                         | 7.84                       | 3.1                         | 1280                       | 2.39                         | 0.03                         | 1.61                       | 0.08                         | 59.0                         | 4.1                         | 5                         | 7.26                         | 7.5                         | 2.17                       |
| D864505            |                                   | 1.51                              | 0.05                         | 7.49                       | 1.7                         | 1260                       | 2.28                         | 0.07                         | 2.21                       | 0.10                         | 48.8                         | 3.8                         | 6                         | 3.94                         | 5.9                         | 2.13                       |
| D864506            |                                   | 1.09                              | 0.55                         | 7.04                       | 20.5                        | 1660                       | 2.31                         | 0.07                         | 1.08                       | 1.90                         | 44.2                         | 2.4                         | 6                         | 8.12                         | 2.9                         | 1.41                       |
| D864507            |                                   | 0.06                              | 0.76                         | 2.70                       | 440                         | 740                        | 0.64                         | 0.50                         | 9.99                       | 0.59                         | 41.0                         | 4.7                         | 45                        | 2.51                         | 32.6                        | 1.80                       |
| D864508            |                                   | 1.37                              | 2.49                         | 0.34                       | 8.8                         | 210                        | 1.00                         | 16.50                        | 0.02                       | 0.18                         | 9.39                         | 0.2                         | 14                        | 0.39                         | 2.1                         | 0.16                       |
| D864509            |                                   | 0.98                              | 3.09                         | 6.42                       | 171.0                       | 560                        | 2.58                         | 0.46                         | 0.06                       | 13.55                        | 32.6                         | 0.3                         | 4                         | 8.35                         | 9.5                         | 1.01                       |
| D864510            |                                   | 1.18                              | 0.14                         | 6.97                       | 3.7                         | 460                        | 1.69                         | 0.62                         | 0.09                       | 0.05                         | 41.9                         | 0.7                         | 4                         | 3.78                         | 5.4                         | 0.69                       |
| D864511            |                                   | 1.16                              | 0.04                         | 7.00                       | 1.5                         | 2830                       | 1.76                         | 0.07                         | 0.36                       | 0.07                         | 70.3                         | 0.8                         | 6                         | 1.14                         | 2.5                         | 1.81                       |
| D864512            |                                   | 2.25                              | 0.23                         | 6.00                       | 27.6                        | 3470                       | 1.49                         | 0.29                         | 7.98                       | 0.42                         | 85.5                         | 54.7                        | 441                       | 2.61                         | 35.8                        | 8.48                       |
| D864513            |                                   | 1.84                              | 0.03                         | 6.55                       | 23.6                        | 150                        | 2.62                         | 0.14                         | 0.18                       | <0.02                        | 16.65                        | 0.1                         | 4                         | 4.99                         | 1.0                         | 0.44                       |
| D864514            |                                   | 1.95                              | 0.24                         | 6.18                       | 797                         | 400                        | 1.91                         | 0.88                         | 0.07                       | 0.17                         | 24.5                         | 0.4                         | 5                         | 5.55                         | 3.4                         | 0.87                       |
| D864515            |                                   | 2.93                              | 1.82                         | 4.15                       | 1525                        | 270                        | 2.54                         | 1.06                         | 0.02                       | 4.41                         | 26.5                         | 0.3                         | 4                         | 14.15                        | 8.1                         | 1.16                       |
| D864516            |                                   | 2.88                              | 0.05                         | 6.25                       | 93.4                        | 330                        | 2.04                         | 0.12                         | 0.15                       | 0.04                         | 22.2                         | 0.2                         | 5                         | 4.33                         | 4.2                         | 0.75                       |
| D864517            |                                   | 1.95                              | 0.04                         | 6.61                       | 4.9                         | 500                        | 1.71                         | 0.08                         | 0.03                       | 0.02                         | 37.8                         | 0.6                         | 2                         | 5.22                         | 2.3                         | 0.43                       |
| D864518            |                                   | 1.59                              | 0.03                         | 5.67                       | 2.8                         | 1980                       | 0.77                         | 0.08                         | 0.50                       | 0.06                         | 11.90                        | 1.9                         | 5                         | 2.49                         | 2.5                         | 0.64                       |
| D864519            |                                   | 1.79                              | 0.11                         | 7.18                       | 13.4                        | 2220                       | 1.29                         | 3.14                         | 1.55                       | 0.40                         | 36.5                         | 7.9                         | 21                        | 7.82                         | 10.8                        | 14.55                      |
| D864520            |                                   | 3.33                              | 21.7                         | 6.99                       | 75.7                        | 2410                       | 2.91                         | 74.7                         | 0.25                       | 0.05                         | 24.3                         | 144.0                       | 19                        | 19.25                        | 109.5                       | 12.85                      |
| D864521            |                                   | 0.49                              | 0.10                         | 0.07                       | <0.2                        | 10                         | 0.11                         | 0.19                         | 21.3                       | 0.02                         | 0.90                         | 0.9                         | 1                         | 0.13                         | 1.9                         | 0.15                       |
| D864522            |                                   | 2.11                              | 0.03                         | 0.43                       | 5.1                         | 470                        | 0.11                         | 0.08                         | 0.03                       | 0.03                         | 2.22                         | 1.1                         | 24                        | 0.65                         | 11.4                        | 0.37                       |
| D864523            |                                   | 2.00                              | 4.19                         | 6.15                       | 831                         | 230                        | 3.21                         | 0.92                         | 0.04                       | 0.19                         | 22.6                         | 0.4                         | 5                         | 6.84                         | 29.9                        | 1.57                       |
| D864524            |                                   | 2.02                              | 0.20                         | 6.70                       | 81.2                        | 200                        | 2.36                         | 0.89                         | 0.12                       | 0.02                         | 17.25                        | 0.2                         | 5                         | 7.34                         | 5.5                         | 1.02                       |
| D864525            |                                   | 2.48                              | 36.8                         | 4.29                       | 3910                        | 1120                       | 4.59                         | 0.76                         | 0.14                       | 119.5                        | 17.95                        | 13.0                        | <1                        | 12.60                        | 105.0                       | 3.80                       |



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|--------------------|-----------------------------------|-------------|-------------|------------|--------------|-----------|------------|------------|-----------|----------|-------------|-----------|------------|------------|-----------|
|                    |                                   | Ga          | Ge          | Hf         | In           | K         | La         | Li         | Mg        | Mn       | Mo          | Na        | Nb         | Ni         | P         |
|                    |                                   | ppm<br>0.05 | ppm<br>0.05 | ppm<br>0.1 | ppm<br>0.005 | %<br>0.01 | ppm<br>0.5 | ppm<br>0.2 | %<br>0.01 | ppm<br>5 | ppm<br>0.05 | %<br>0.01 | ppm<br>0.1 | ppm<br>0.2 | ppm<br>10 |
| D864486            |                                   | 13.55       | 0.06        | 1.8        | 0.025        | 3.31      | 25.0       | 11.0       | 0.47      | 672      | 1.55        | 1.81      | 12.6       | 2.1        | 460       |
| D864487            |                                   | 15.20       | 0.10        | 1.8        | 0.082        | 3.46      | 27.7       | 17.5       | 0.51      | 738      | 14.65       | 1.98      | 14.6       | 2.6        | 500       |
| D864488            |                                   | 14.95       | 0.06        | 1.5        | 0.081        | 3.33      | 25.3       | 22.0       | 0.49      | 693      | 3.68        | 1.82      | 12.1       | 2.1        | 470       |
| D864489            |                                   | 12.75       | 0.06        | 1.8        | 0.031        | 2.93      | 19.4       | 14.8       | 0.38      | 604      | 56.0        | 1.33      | 14.3       | 1.6        | 360       |
| D864490            |                                   | 12.75       | 0.08        | 1.8        | 0.019        | 3.24      | 20.6       | 12.7       | 0.31      | 536      | 166.0       | 1.69      | 14.4       | 1.5        | 380       |
| D864491            |                                   | 12.75       | 0.06        | 1.7        | 0.020        | 3.39      | 22.7       | 9.0        | 0.32      | 660      | 141.0       | 2.04      | 13.7       | 1.7        | 390       |
| D864492            |                                   | 13.45       | 0.09        | 1.6        | 0.021        | 3.18      | 23.9       | 9.2        | 0.41      | 729      | 5.27        | 2.05      | 13.1       | 1.7        | 410       |
| D864493            |                                   | 14.65       | 0.07        | 1.8        | 0.023        | 3.70      | 27.0       | 13.9       | 0.35      | 618      | 6.16        | 1.38      | 15.0       | 2.3        | 430       |
| D864494            |                                   | 14.35       | 0.06        | 2.4        | 0.018        | 3.73      | 17.6       | 12.9       | 0.19      | 562      | 5.73        | 1.98      | 17.0       | 1.0        | 280       |
| D864495            |                                   | 13.65       | 0.07        | 2.4        | 0.022        | 4.00      | 16.5       | 9.6        | 0.14      | 541      | 91.9        | 2.12      | 16.6       | 1.0        | 240       |
| D864496            |                                   | 14.35       | 0.10        | 2.1        | 0.091        | 3.45      | 15.2       | 6.1        | 0.09      | 599      | 62.3        | 2.43      | 19.2       | 0.7        | 160       |
| D864497            |                                   | 14.70       | 0.09        | 1.6        | 0.782        | 3.37      | 22.6       | 14.1       | 0.16      | 845      | 96.6        | 1.79      | 13.8       | 1.4        | 450       |
| D864498            |                                   | 14.35       | 0.08        | 1.7        | 0.057        | 3.45      | 24.6       | 13.9       | 0.21      | 764      | 15.45       | 1.87      | 13.9       | 1.5        | 440       |
| D864499            |                                   | 13.90       | 0.06        | 1.9        | 0.035        | 3.26      | 18.2       | 16.3       | 0.27      | 802      | 33.9        | 1.40      | 13.4       | 1.6        | 370       |
| D864500            |                                   | 14.55       | 0.10        | 0.2        | 0.294        | 2.37      | 11.2       | 26.0       | 0.59      | 934      | 141.5       | 0.43      | 3.0        | 17.3       | 540       |
| D864501            |                                   | 13.75       | 0.07        | 2.1        | 0.025        | 3.28      | 19.1       | 15.9       | 0.25      | 533      | 44.2        | 1.67      | 14.5       | 1.2        | 290       |
| D864502            |                                   | 14.10       | 0.10        | 1.6        | 0.033        | 3.27      | 25.3       | 9.7        | 0.22      | 616      | 2.64        | 2.08      | 12.1       | 1.7        | 440       |
| D864503            |                                   | 0.28        | 0.15        | <0.1       | <0.005       | 0.03      | 0.6        | 2.0        | 12.90     | 121      | 0.13        | 0.01      | 0.1        | 0.7        | 20        |
| D864504            |                                   | 19.80       | 0.15        | 1.7        | 0.033        | 2.73      | 32.1       | 29.8       | 0.51      | 462      | 1.52        | 2.88      | 11.9       | 1.8        | 690       |
| D864505            |                                   | 18.35       | 0.12        | 1.6        | 0.029        | 2.75      | 25.3       | 29.5       | 0.47      | 515      | 1.24        | 2.85      | 10.4       | 1.8        | 700       |
| D864506            |                                   | 13.95       | 0.07        | 1.7        | 0.020        | 3.59      | 16.6       | 4.6        | 0.11      | 489      | 0.21        | 2.35      | 12.3       | 1.5        | 200       |
| D864507            |                                   | 6.12        | 0.12        | 1.5        | 0.028        | 0.85      | 24.2       | 57.6       | 4.95      | 340      | 9.20        | 0.02      | 5.2        | 31.6       | 490       |
| D864508            |                                   | 0.98        | 0.05        | 1.1        | <0.005       | 0.07      | 3.4        | 5.0        | 0.01      | 144      | 0.08        | 0.16      | 2.2        | 0.2        | 10        |
| D864509            |                                   | 14.80       | 0.09        | 3.4        | 0.021        | 3.72      | 15.3       | 6.1        | 0.07      | 846      | 0.18        | 1.82      | 26.8       | <0.2       | 80        |
| D864510            |                                   | 12.55       | 0.09        | 2.7        | 0.019        | 3.35      | 23.1       | 12.2       | 0.11      | 145      | 2.51        | 1.19      | 15.6       | 0.5        | 40        |
| D864511            |                                   | 15.50       | 0.11        | 4.5        | 0.045        | 3.23      | 36.5       | 8.8        | 0.09      | 351      | 0.24        | 2.99      | 11.8       | 0.3        | 170       |
| D864512            |                                   | 17.60       | 0.14        | 0.9        | 0.109        | 1.68      | 42.4       | 18.2       | 5.61      | 1375     | 0.35        | 0.64      | 51.3       | 220        | 1510      |
| D864513            |                                   | 15.75       | 0.06        | 1.8        | 0.027        | 3.84      | 6.9        | 2.4        | 0.04      | 70       | 0.13        | 2.42      | 27.8       | 0.3        | 40        |
| D864514            |                                   | 14.15       | 0.06        | 2.2        | 0.061        | 3.82      | 12.6       | 4.1        | 0.11      | 74       | 0.53        | 1.48      | 15.8       | 0.7        | 50        |
| D864515            |                                   | 14.85       | 0.09        | 1.8        | 0.429        | 1.93      | 13.2       | 16.1       | 0.09      | 137      | 4.02        | 0.05      | 23.5       | 0.8        | 100       |
| D864516            |                                   | 14.85       | 0.06        | 2.3        | 0.014        | 4.47      | 10.8       | 1.9        | 0.03      | 49       | 0.39        | 2.26      | 22.2       | 0.4        | 50        |
| D864517            |                                   | 12.50       | 0.07        | 2.5        | 0.022        | 3.03      | 21.7       | 7.7        | 0.07      | 126      | 0.25        | 0.05      | 16.7       | 0.3        | 50        |
| D864518            |                                   | 8.75        | 0.05        | 0.8        | 0.011        | 4.69      | 7.5        | 7.3        | 0.15      | 169      | 0.38        | 1.55      | 2.3        | 0.7        | 20        |
| D864519            |                                   | 22.2        | 0.12        | 0.8        | 0.121        | 2.28      | 19.6       | 47.7       | 0.97      | 1995     | 1.64        | 1.52      | 4.4        | 7.4        | 1120      |
| D864520            |                                   | 30.7        | 0.10        | 1.8        | 0.261        | 3.46      | 12.0       | 13.4       | 0.70      | 1420     | 13.15       | 0.42      | 4.3        | 8.7        | 790       |
| D864521            |                                   | 0.20        | <0.05       | <0.1       | <0.005       | 0.02      | 0.5        | 2.2        | 13.05     | 125      | 0.08        | 0.01      | 0.1        | 0.6        | 20        |
| D864522            |                                   | 0.98        | <0.05       | <0.1       | <0.005       | 0.23      | 1.2        | 2.5        | 0.03      | 52       | 1.28        | 0.01      | 0.5        | 4.3        | 20        |
| D864523            |                                   | 14.55       | 0.08        | 1.9        | 0.028        | 3.42      | 11.0       | 12.5       | 0.10      | 6330     | 0.87        | 0.58      | 23.1       | 0.9        | 40        |
| D864524            |                                   | 17.65       | 0.11        | 2.2        | 0.021        | 4.28      | 8.2        | 2.4        | 0.06      | 104      | 0.49        | 2.05      | 23.9       | 0.3        | 40        |
| D864525            |                                   | 15.30       | <0.05       | 1.4        | 0.594        | 1.94      | 8.9        | 24.5       | 0.10      | >100000  | 16.75       | 0.04      | 14.2       | 11.0       | 160       |



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Plus Appendix Pages  
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Account: NOFREG

Project: Tad Toro

**CERTIFICATE OF ANALYSIS WH23251100**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS61    | ME-MS61      | ME-MS61   | ME-MS61     | ME-MS61    | ME-MS61  | ME-MS61    | ME-MS61    | ME-MS61     | ME-MS61     | ME-MS61     | ME-MS61    | ME-MS61     | ME-MS61    | ME-MS61  |
|--------------------|-----------------------------------|------------|--------------|-----------|-------------|------------|----------|------------|------------|-------------|-------------|-------------|------------|-------------|------------|----------|
|                    |                                   | Rb         | Re           | S         | Sb          | Sc         | Se       | Sn         | Sr         | Ta          | Te          | Th          | Ti         | Tl          | U          | V        |
|                    |                                   | ppm<br>0.1 | ppm<br>0.002 | %<br>0.01 | ppm<br>0.05 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.2 | ppm<br>0.2 | ppm<br>0.05 | ppm<br>0.05 | ppm<br>0.01 | %<br>0.005 | ppm<br>0.02 | ppm<br>0.1 | ppm<br>1 |
| D864486            |                                   | 173.5      | <0.002       | 0.08      | 3.47        | 3.7        | <1       | 2.1        | 211        | 1.07        | <0.05       | 26.7        | 0.137      | 1.74        | 9.9        | 28       |
| D864487            |                                   | 227        | <0.002       | 0.04      | 6.94        | 3.9        | 2        | 10.7       | 217        | 1.18        | <0.05       | 21.9        | 0.140      | 2.18        | 7.6        | 29       |
| D864488            |                                   | 237        | <0.002       | 0.02      | 2.88        | 3.9        | <1       | 10.1       | 178.5      | 0.95        | <0.05       | 18.95       | 0.137      | 2.17        | 8.3        | 28       |
| D864489            |                                   | 168.0      | 0.004        | 0.06      | 4.87        | 3.0        | <1       | 3.3        | 127.5      | 1.32        | <0.05       | 26.3        | 0.110      | 1.66        | 7.5        | 22       |
| D864490            |                                   | 164.5      | 0.007        | 0.06      | 3.39        | 3.1        | <1       | 1.9        | 137.5      | 1.28        | <0.05       | 25.2        | 0.114      | 1.65        | 6.9        | 21       |
| D864491            |                                   | 172.5      | 0.004        | 0.04      | 4.18        | 3.4        | 1        | 2.1        | 165.0      | 1.22        | <0.05       | 21.1        | 0.118      | 1.64        | 8.5        | 21       |
| D864492            |                                   | 164.0      | <0.002       | 0.03      | 8.06        | 3.3        | 1        | 1.8        | 183.0      | 1.20        | <0.05       | 21.2        | 0.124      | 1.68        | 8.1        | 24       |
| D864493            |                                   | 203        | <0.002       | 0.07      | 5.45        | 3.9        | <1       | 2.5        | 148.5      | 1.24        | <0.05       | 24.9        | 0.130      | 1.88        | 10.0       | 26       |
| D864494            |                                   | 180.5      | <0.002       | 0.01      | 0.84        | 2.8        | <1       | 1.7        | 141.0      | 1.72        | <0.05       | 26.4        | 0.097      | 1.72        | 6.5        | 19       |
| D864495            |                                   | 223        | 0.003        | 0.01      | 1.85        | 2.6        | <1       | 2.2        | 120.5      | 1.72        | <0.05       | 29.7        | 0.086      | 2.12        | 7.5        | 16       |
| D864496            |                                   | 214        | <0.002       | <0.01     | 1.75        | 2.7        | <1       | 3.6        | 111.5      | 1.80        | <0.05       | 23.3        | 0.066      | 2.18        | 9.2        | 11       |
| D864497            |                                   | 250        | <0.002       | 0.03      | 5.99        | 3.5        | 1        | 12.3       | 244        | 1.04        | <0.05       | 18.75       | 0.133      | 2.72        | 8.1        | 26       |
| D864498            |                                   | 221        | <0.002       | 0.03      | 1.34        | 3.5        | <1       | 7.6        | 237        | 1.04        | <0.05       | 18.95       | 0.132      | 2.34        | 6.2        | 25       |
| D864499            |                                   | 190.5      | <0.002       | 0.02      | 2.84        | 3.3        | <1       | 6.2        | 241        | 1.17        | <0.05       | 17.55       | 0.118      | 2.17        | 9.4        | 23       |
| D864500            |                                   | 85.4       | 0.260        | 4.31      | 2.90        | 6.6        | 7        | 3.1        | 120.0      | 0.24        | 0.75        | 3.13        | 0.140      | 1.48        | 0.5        | 65       |
| D864501            |                                   | 191.0      | <0.002       | 0.01      | 1.85        | 2.8        | <1       | 3.0        | 175.5      | 1.42        | <0.05       | 25.7        | 0.101      | 1.99        | 10.0       | 21       |
| D864502            |                                   | 166.0      | <0.002       | 0.01      | 1.03        | 3.7        | <1       | 2.7        | 280        | 1.01        | <0.05       | 19.40       | 0.131      | 1.77        | 6.1        | 25       |
| D864503            |                                   | 1.6        | <0.002       | <0.01     | 0.06        | 0.1        | 1        | <0.2       | 47.9       | <0.05       | <0.05       | 0.22        | <0.005     | 0.02        | 0.1        | 1        |
| D864504            |                                   | 110.5      | <0.002       | <0.01     | 0.65        | 4.4        | <1       | 1.7        | 557        | 0.84        | <0.05       | 9.20        | 0.217      | 0.65        | 4.0        | 38       |
| D864505            |                                   | 100.5      | <0.002       | <0.01     | 0.78        | 3.8        | <1       | 1.4        | 556        | 0.75        | <0.05       | 8.31        | 0.203      | 0.45        | 3.8        | 37       |
| D864506            |                                   | 140.5      | <0.002       | <0.01     | 4.88        | 3.4        | <1       | 1.7        | 276        | 1.20        | <0.05       | 25.0        | 0.132      | 1.33        | 3.9        | 24       |
| D864507            |                                   | 45.3       | 0.008        | 1.34      | 92.5        | 4.4        | 1        | 2.6        | 56.7       | 0.36        | 0.19        | 5.68        | 0.145      | 2.42        | 5.1        | 91       |
| D864508            |                                   | 4.7        | <0.002       | 0.01      | 1.44        | 0.3        | <1       | 0.2        | 4.1        | 1.42        | <0.05       | 3.01        | <0.005     | 0.07        | 1.3        | <1       |
| D864509            |                                   | 272        | <0.002       | 0.23      | 7.42        | 2.4        | <1       | 3.8        | 61.2       | 3.90        | <0.05       | 29.2        | 0.049      | 2.98        | 10.0       | 5        |
| D864510            |                                   | 180.0      | <0.002       | <0.01     | 3.39        | 2.7        | <1       | 1.1        | 39.9       | 1.55        | 0.06        | 21.3        | 0.031      | 1.46        | 7.2        | 2        |
| D864511            |                                   | 110.5      | <0.002       | <0.01     | 0.18        | 8.5        | <1       | 1.6        | 218        | 0.84        | <0.05       | 15.55       | 0.110      | 0.61        | 4.0        | 3        |
| D864512            |                                   | 72.2       | <0.002       | 0.08      | 0.46        | 34.6       | <1       | 2.8        | 246        | 2.80        | 0.12        | 5.49        | 1.275      | 0.47        | 1.7        | 273      |
| D864513            |                                   | 249        | <0.002       | 0.06      | 1.74        | 2.3        | <1       | 2.9        | 39.4       | 3.85        | <0.05       | 22.7        | 0.029      | 2.38        | 3.8        | 4        |
| D864514            |                                   | 214        | <0.002       | 0.14      | 6.04        | 1.8        | <1       | 2.5        | 57.5       | 1.84        | 0.12        | 12.80       | 0.045      | 2.13        | 3.3        | 6        |
| D864515            |                                   | 128.5      | <0.002       | 0.07      | 54.1        | 1.5        | 1        | 7.8        | 37.5       | 1.60        | 0.08        | 26.0        | 0.047      | 1.87        | 29.8       | 8        |
| D864516            |                                   | 257        | <0.002       | 0.11      | 1.89        | 2.0        | <1       | 2.3        | 50.6       | 2.78        | <0.05       | 29.8        | 0.042      | 2.59        | 4.5        | 3        |
| D864517            |                                   | 152.5      | <0.002       | <0.01     | 5.40        | 2.5        | <1       | 1.8        | 5.1        | 1.60        | <0.05       | 19.10       | 0.032      | 1.28        | 2.9        | 2        |
| D864518            |                                   | 142.0      | <0.002       | <0.01     | 0.80        | 0.5        | <1       | 0.4        | 194.5      | 0.41        | <0.05       | 13.85       | 0.036      | 1.34        | 2.6        | 7        |
| D864519            |                                   | 147.0      | <0.002       | 0.05      | 4.38        | 35.3       | <1       | 1.4        | 242        | 0.27        | <0.05       | 4.40        | 0.345      | 1.95        | 1.8        | 272      |
| D864520            |                                   | 179.0      | 0.002        | 0.01      | 12.30       | 17.6       | 2        | 123.5      | 166.5      | 0.29        | 23.6        | 4.85        | 0.309      | 2.07        | 8.5        | 168      |
| D864521            |                                   | 1.4        | <0.002       | <0.01     | 0.15        | 0.2        | <1       | 0.3        | 47.1       | <0.05       | 0.09        | 0.13        | <0.005     | 0.02        | 0.1        | 1        |
| D864522            |                                   | 9.1        | <0.002       | 0.01      | 0.31        | 0.7        | <1       | 0.2        | 5.5        | <0.05       | 0.05        | 0.36        | 0.015      | 0.06        | 0.2        | 9        |
| D864523            |                                   | 225        | <0.002       | 0.25      | 16.30       | 2.2        | 1        | 5.2        | 17.2       | 3.05        | <0.05       | 23.2        | 0.040      | 2.84        | 59.8       | 4        |
| D864524            |                                   | 287        | <0.002       | 0.25      | 5.31        | 2.5        | <1       | 2.7        | 35.5       | 4.54        | <0.05       | 14.55       | 0.029      | 2.84        | 4.2        | 3        |
| D864525            |                                   | 137.5      | 0.002        | 0.16      | 217         | 3.0        | 1        | 30.7       | 153.5      | 1.24        | 0.12        | 12.65       | 0.043      | 4.70        | 79.6       | 12       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 604 984 0221 Fax: +1 604 984 0218  
 www.alsglobal.com/geochemistry

To: TRIUMPH GOLD CORP.  
 1111 MELVILLE STREET  
 SUITE 1100  
 VANCOUVER BC V6E 3V6

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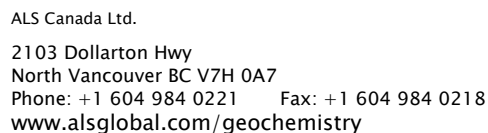
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**CERTIFICATE OF ANALYSIS WH23251100**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS61<br>W<br>ppm<br>0.1 | ME-MS61<br>Y<br>ppm<br>0.1 | ME-MS61<br>Zn<br>ppm<br>2 | ME-MS61<br>Zr<br>ppm<br>0.5 | Au-AA23<br>Au<br>ppm<br>0.005 |
|--------------------|-----------------------------------|----------------------------|----------------------------|---------------------------|-----------------------------|-------------------------------|
| D864486            |                                   | 1.3                        | 11.3                       | 47                        | 49.3                        | <0.005                        |
| D864487            |                                   | 2.3                        | 12.8                       | 65                        | 48.1                        | <0.005                        |
| D864488            |                                   | 3.8                        | 12.2                       | 53                        | 42.5                        | <0.005                        |
| D864489            |                                   | 1.9                        | 12.3                       | 45                        | 45.2                        | <0.005                        |
| D864490            |                                   | 1.8                        | 12.2                       | 43                        | 41.6                        | <0.005                        |
| D864491            |                                   | 1.3                        | 12.1                       | 51                        | 39.7                        | 0.005                         |
| D864492            |                                   | 1.2                        | 12.1                       | 44                        | 38.1                        | <0.005                        |
| D864493            |                                   | 1.5                        | 13.6                       | 40                        | 43.8                        | <0.005                        |
| D864494            |                                   | 2.6                        | 15.3                       | 36                        | 54.3                        | <0.005                        |
| D864495            |                                   | 2.0                        | 17.8                       | 36                        | 54.5                        | <0.005                        |
| D864496            |                                   | 2.6                        | 19.6                       | 62                        | 44.3                        | <0.005                        |
| D864497            |                                   | 4.2                        | 14.3                       | 309                       | 46.6                        | <0.005                        |
| D864498            |                                   | 2.7                        | 14.4                       | 70                        | 47.9                        | <0.005                        |
| D864499            |                                   | 4.5                        | 14.1                       | 51                        | 50.1                        | 0.005                         |
| D864500            |                                   | 4.1                        | 7.2                        | 942                       | 3.3                         | 0.664                         |
| D864501            |                                   | 2.7                        | 14.0                       | 41                        | 53.0                        | <0.005                        |
| D864502            |                                   | 3.0                        | 14.5                       | 55                        | 44.0                        | <0.005                        |
| D864503            |                                   | 0.1                        | 0.3                        | 5                         | 0.5                         | <0.005                        |
| D864504            |                                   | 0.6                        | 13.2                       | 67                        | 42.0                        | <0.005                        |
| D864505            |                                   | 0.8                        | 12.0                       | 65                        | 38.0                        | <0.005                        |
| D864506            |                                   | 0.2                        | 8.8                        | 220                       | 42.3                        | 0.005                         |
| D864507            |                                   | 73.8                       | 14.6                       | 70                        | 49.3                        | 4.31                          |
| D864508            |                                   | 0.1                        | 7.0                        | 13                        | 8.6                         | <0.005                        |
| D864509            |                                   | 0.8                        | 16.9                       | 910                       | 68.9                        | 0.006                         |
| D864510            |                                   | 0.6                        | 16.0                       | 25                        | 57.0                        | <0.005                        |
| D864511            |                                   | 0.4                        | 28.1                       | 45                        | 144.0                       | 0.006                         |
| D864512            |                                   | 1.6                        | 23.7                       | 173                       | 17.6                        | 0.010                         |
| D864513            |                                   | 0.4                        | 20.2                       | 7                         | 34.8                        | <0.005                        |
| D864514            |                                   | 0.5                        | 7.3                        | 14                        | 60.7                        | 0.104                         |
| D864515            |                                   | 1.8                        | 12.4                       | 103                       | 55.3                        | 0.359                         |
| D864516            |                                   | 0.4                        | 12.7                       | 16                        | 50.7                        | <0.005                        |
| D864517            |                                   | 1.6                        | 12.4                       | 17                        | 51.8                        | 0.005                         |
| D864518            |                                   | 0.2                        | 3.4                        | 22                        | 14.4                        | <0.005                        |
| D864519            |                                   | 2.1                        | 28.3                       | 402                       | 29.5                        | 0.008                         |
| D864520            |                                   | 138.0                      | 11.3                       | 97                        | 68.8                        | 3.12                          |
| D864521            |                                   | 0.4                        | 0.3                        | 5                         | 0.5                         | 0.007                         |
| D864522            |                                   | 0.2                        | 1.0                        | 12                        | 1.2                         | <0.005                        |
| D864523            |                                   | 0.9                        | 14.5                       | 57                        | 49.5                        | 0.276                         |
| D864524            |                                   | 0.5                        | 19.7                       | 11                        | 45.3                        | 0.008                         |
| D864525            |                                   | 3.7                        | 48.6                       | 2170                      | 48.9                        | 0.778                         |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

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ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 604 984 0221 Fax: +1 604 984 0218  
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1111 MELVILLE STREET  
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**CERTIFICATE OF ANALYSIS WH23251100**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method: REEs may not be totally soluble in this method.  
ME-MS61

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.  
CRU-31 CRU-QC LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA23 ME-MS61