



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

To: **ROCKHAVEN RESOURCES LTD.**  
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**1016 - 510 W HASTINGS STREET**  
**VANCOUVER BC V6B 1L8**

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Finalized Date: 30-SEP-2012  
Account: ROCKHA

**CERTIFICATE WH12219218**

Project: Klaza-130

P.O. No.: Batch 4

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-SEP-2012.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

JARED TARSWELL

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                        |
|----------|------------------------------------|
| WEI-21   | Received Sample Weight             |
| LOG-22d  | Sample login - Rcd w/o BarCode dup |
| LOG-22   | Sample login - Rcd w/o BarCode     |
| SPL-21d  | Split sample - duplicate           |
| PUL-31d  | Pulverize Split - duplicate        |
| LOG-24   | Pulp Login - Rcd w/o Barcode       |
| PUL-QC   | Pulverizing QC Test                |
| CRU-31   | Fine crushing - 70% <2mm           |
| SPL-21   | Split sample - riffle splitter     |
| PUL-31   | Pulverize split to 85% <75 um      |

**ANALYTICAL PROCEDURES**

| ALS CODE | DESCRIPTION                 | INSTRUMENT |
|----------|-----------------------------|------------|
| Au-AA24  | Au 50g FA AA finish         | AAS        |
| ME-MS61  | 48 element four acid ICP-MS |            |

To: **ROCKHAVEN RESOURCES LTD.**  
**ATTN: JOAN MARIACHER**  
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**1016 - 510 W HASTINGS STREET**  
**VANCOUVER BC V6B 1L8**

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:

  
Colin Ramshaw, Vancouver Laboratory Manager



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Project: Klaza-130

**CERTIFICATE OF ANALYSIS WH12219218**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA24<br>Au<br>ppm | ME-MS61<br>Ag<br>ppm | ME-MS61<br>Al<br>% | ME-MS61<br>As<br>ppm | ME-MS61<br>Ba<br>ppm | ME-MS61<br>Be<br>ppm | ME-MS61<br>Bi<br>ppm | ME-MS61<br>Ca<br>% | ME-MS61<br>Cd<br>ppm | ME-MS61<br>Ce<br>ppm | ME-MS61<br>Co<br>ppm | ME-MS61<br>Cr<br>ppm | ME-MS61<br>Cs<br>ppm | ME-MS61<br>Cu<br>ppm |
|--------------------|-----------------------------------|---------------------------|----------------------|----------------------|--------------------|----------------------|----------------------|----------------------|----------------------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                    |                                   | 0.02                      | 0.005                | 0.01                 | 0.01               | 0.2                  | 10                   | 0.05                 | 0.01                 | 0.01               | 0.02                 | 0.01                 | 0.1                  | 1                    | 0.05                 | 0.2                  |
| M356001            |                                   | 5.29                      | 0.058                | 0.46                 | 6.99               | 65.9                 | 820                  | 1.68                 | 0.65                 | 3.34               | 0.11                 | 53.7                 | 9.4                  | 8                    | 16.60                | 183.0                |
| M356002            |                                   | 5.74                      | 0.066                | 0.27                 | 6.74               | 49.5                 | 1740                 | 1.57                 | 0.71                 | 2.51               | 0.10                 | 43.8                 | 10.9                 | 9                    | 11.80                | 180.0                |
| M356003            |                                   | 7.69                      | 0.140                | 0.70                 | 6.71               | 35.7                 | 2020                 | 1.38                 | 0.82                 | 2.50               | 0.66                 | 38.4                 | 9.3                  | 9                    | 12.85                | 381                  |
| M356004            |                                   | 0.26                      | 2.29                 | 25.9                 | 5.61               | 3070                 | 1680                 | 1.45                 | 18.95                | 2.19               | 80.0                 | 43.2                 | 10.6                 | 19                   | 14.30                | 427                  |
| M356005            |                                   | 4.77                      | 0.079                | 0.44                 | 6.93               | 23.0                 | 1330                 | 1.35                 | 0.97                 | 2.46               | 0.15                 | 41.8                 | 6.2                  | 9                    | 9.18                 | 160.0                |
| M356006            |                                   | 4.27                      | 0.081                | 2.00                 | 6.98               | 52.0                 | 1070                 | 1.32                 | 2.41                 | 2.34               | 8.10                 | 38.1                 | 11.5                 | 9                    | 11.60                | 146.0                |
| M356007            |                                   | 2.59                      | 0.044                | 0.31                 | 6.81               | 43.1                 | 1470                 | 1.43                 | 0.52                 | 2.55               | 0.16                 | 43.9                 | 6.0                  | 9                    | 12.50                | 222                  |
| M356008            |                                   | 2.87                      | 1.135                | 7.00                 | 6.02               | 239                  | 790                  | 1.13                 | 9.39                 | 1.87               | 4.81                 | 45.8                 | 25.9                 | 7                    | 7.92                 | 537                  |
| M356009            |                                   | 3.20                      | <0.005               | 0.06                 | 0.05               | <5                   | 20                   | <0.05                | 0.05                 | 20.8               | 0.06                 | 0.94                 | 0.5                  | <1                   | 0.10                 | 2.7                  |
| M356010            |                                   | 5.12                      | 0.046                | 0.28                 | 7.03               | 12.5                 | 1170                 | 1.47                 | 0.59                 | 2.38               | 0.14                 | 42.1                 | 6.6                  | 8                    | 9.20                 | 217                  |
| M356011            |                                   | 3.19                      | 0.074                | 0.22                 | 7.17               | 29.0                 | 880                  | 1.30                 | 0.57                 | 2.31               | 0.08                 | 39.9                 | 9.9                  | 9                    | 12.10                | 179.5                |
| M356012            |                                   | 1.72                      | 0.056                | 0.24                 | 6.86               | 26.2                 | 1100                 | 1.48                 | 0.65                 | 2.49               | 0.12                 | 39.2                 | 7.1                  | 9                    | 11.00                | 235                  |
| M356013            |                                   | 4.93                      | 0.099                | 0.47                 | 7.06               | 86.1                 | 800                  | 1.30                 | 0.77                 | 2.66               | 0.18                 | 45.0                 | 7.7                  | 8                    | 14.25                | 436                  |
| M356014            |                                   | 3.85                      | 0.030                | 0.30                 | 6.77               | 30.2                 | 850                  | 1.35                 | 0.74                 | 2.38               | 0.12                 | 39.9                 | 20.4                 | 8                    | 9.99                 | 98.8                 |
| M356015            |                                   | 3.35                      | 0.096                | 0.37                 | 6.80               | 29.1                 | 830                  | 1.29                 | 1.14                 | 2.84               | 0.13                 | 40.8                 | 9.9                  | 10                   | 13.30                | 100.5                |
| M356016            |                                   | 3.24                      | 0.036                | 0.85                 | 7.61               | 19.1                 | 1590                 | 1.28                 | 0.62                 | 3.30               | 0.16                 | 32.1                 | 21.1                 | 319                  | 18.30                | 296                  |
| M356017            |                                   | 3.00                      | 0.049                | 1.00                 | 7.00               | 39.6                 | 1640                 | 1.37                 | 0.66                 | 3.36               | 0.59                 | 32.7                 | 11.6                 | 154                  | 26.2                 | 201                  |
| M356018            |                                   | 4.33                      | 0.056                | 1.58                 | 7.01               | 70.1                 | 2100                 | 1.31                 | 1.14                 | 2.61               | 4.26                 | 30.1                 | 11.5                 | 75                   | 16.45                | 274                  |
| M356019            |                                   | 3.39                      | 0.209                | 3.22                 | 6.85               | 49.7                 | 1160                 | 1.34                 | 0.94                 | 2.22               | 1.54                 | 30.4                 | 18.9                 | 63                   | 15.35                | 905                  |
| M356020            |                                   | 0.26                      | 2.25                 | 24.9                 | 5.88               | 3230                 | 1580                 | 1.30                 | 18.75                | 2.27               | 77.1                 | 40.6                 | 9.9                  | 18                   | 13.30                | 441                  |
| M356021            |                                   | 8.57                      | 0.163                | 3.79                 | 7.25               | 47.1                 | 1280                 | 1.22                 | 0.86                 | 2.17               | 0.49                 | 33.1                 | 14.6                 | 82                   | 14.35                | 1190                 |
| M356022            |                                   | 3.93                      | 0.082                | 2.06                 | 7.36               | 80.6                 | 1610                 | 1.43                 | 1.10                 | 2.96               | 0.63                 | 32.4                 | 14.3                 | 225                  | 19.00                | 605                  |
| M356023            |                                   | 3.55                      | 0.129                | 4.50                 | 6.75               | 123.0                | 1140                 | 1.24                 | 4.91                 | 1.93               | 3.30                 | 42.0                 | 10.7                 | 8                    | 13.00                | 243                  |
| M356024            |                                   | 2.82                      | 0.038                | 0.93                 | 7.19               | 61.5                 | 1130                 | 1.45                 | 1.00                 | 2.58               | 0.69                 | 46.0                 | 9.7                  | 8                    | 15.40                | 258                  |
| M356025            |                                   | 2.73                      | 0.179                | 25.2                 | 6.50               | 124.5                | 910                  | 1.36                 | 55.1                 | 1.86               | 5.50                 | 43.9                 | 9.8                  | 7                    | 10.45                | 177.5                |
| M356026            |                                   | 2.28                      | <0.005               | 0.15                 | 0.05               | <5                   | 30                   | <0.05                | 0.10                 | 21.1               | 0.06                 | 1.09                 | 0.5                  | <1                   | 0.09                 | 2.2                  |
| M356027            |                                   | 3.18                      | 0.068                | 7.57                 | 7.20               | 109.5                | 1210                 | 1.61                 | 3.34                 | 2.14               | 1.93                 | 52.1                 | 7.8                  | 8                    | 15.30                | 466                  |
| M356028            |                                   | 4.07                      | 0.036                | 2.38                 | 7.24               | 83.8                 | 860                  | 1.41                 | 4.31                 | 1.21               | 4.60                 | 51.3                 | 6.1                  | 8                    | 10.40                | 230                  |
| M356029            |                                   | 7.54                      | 0.161                | 3.45                 | 7.03               | 178.0                | 1110                 | 1.34                 | 4.60                 | 1.39               | 7.89                 | 51.4                 | 8.3                  | 9                    | 11.00                | 466                  |
| M356030            |                                   | 3.65                      | 0.040                | 0.87                 | 7.14               | 55.8                 | 1580                 | 1.57                 | 1.21                 | 2.38               | 0.80                 | 48.2                 | 6.6                  | 9                    | 13.65                | 251                  |
| M356031            |                                   | 5.27                      | 0.077                | 1.13                 | 7.36               | 120.5                | 1240                 | 1.43                 | 1.82                 | 2.08               | 0.79                 | 49.6                 | 7.3                  | 8                    | 13.60                | 338                  |
| M356032            |                                   | 4.47                      | 0.143                | 2.74                 | 6.72               | 179.0                | 1070                 | 1.50                 | 2.80                 | 2.13               | 2.77                 | 45.0                 | 8.9                  | 7                    | 12.70                | 391                  |
| M356033            |                                   | 4.99                      | 0.183                | 0.81                 | 7.33               | 52.2                 | 1820                 | 1.38                 | 0.68                 | 2.35               | 0.35                 | 48.4                 | 6.8                  | 7                    | 14.40                | 205                  |
| M356034            |                                   | 3.50                      | 0.037                | 0.63                 | 7.47               | 25.5                 | 2670                 | 1.27                 | 0.56                 | 1.61               | 0.19                 | 41.6                 | 8.8                  | 15                   | 9.90                 | 201                  |
| M356035            |                                   | <0.02                     | 0.035                | 0.59                 | 7.73               | 23.6                 | 2710                 | 1.35                 | 0.51                 | 1.61               | 0.19                 | 46.5                 | 8.5                  | 12                   | 10.40                | 201                  |
| M356036            |                                   | 7.90                      | 0.037                | 0.42                 | 7.51               | 13.5                 | 2580                 | 1.38                 | 0.38                 | 1.73               | 0.39                 | 52.0                 | 8.0                  | 9                    | 8.01                 | 113.0                |



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| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS61<br>Fe<br>% | ME-MS61<br>Ga<br>ppm | ME-MS61<br>Ge<br>ppm | ME-MS61<br>Hf<br>ppm | ME-MS61<br>In<br>ppm | ME-MS61<br>K<br>% | ME-MS61<br>La<br>ppm | ME-MS61<br>Li<br>ppm | ME-MS61<br>Mg<br>% | ME-MS61<br>Mn<br>ppm | ME-MS61<br>Mo<br>ppm | ME-MS61<br>Na<br>% | ME-MS61<br>Nb<br>ppm | ME-MS61<br>Ni<br>ppm | ME-MS61<br>P<br>ppm |
|--------------------|-----------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|-------------------|----------------------|----------------------|--------------------|----------------------|----------------------|--------------------|----------------------|----------------------|---------------------|
|                    |                                   | 0.01               | 0.05                 | 0.05                 | 0.1                  | 0.005                | 0.01              | 0.5                  | 0.2                  | 0.01               | 5                    | 0.05                 | 0.01               | 0.1                  | 0.2                  | 10                  |
| M356001            |                                   | 3.26               | 16.60                | 0.12                 | 1.0                  | 0.024                | 2.82              | 32.0                 | 24.2                 | 1.12               | 418                  | 1.22                 | 0.17               | 6.6                  | 3.2                  | 570                 |
| M356002            |                                   | 3.24               | 17.40                | 0.11                 | 1.0                  | 0.025                | 2.91              | 24.4                 | 23.3                 | 0.78               | 247                  | 1.41                 | 1.43               | 6.7                  | 3.4                  | 590                 |
| M356003            |                                   | 3.09               | 16.30                | 0.12                 | 1.0                  | 0.045                | 3.05              | 20.9                 | 22.8                 | 0.76               | 290                  | 2.38                 | 1.36               | 6.6                  | 2.9                  | 580                 |
| M356004            |                                   | 6.53               | 14.80                | 0.11                 | 0.9                  | 1.640                | 2.63              | 23.6                 | 25.8                 | 0.88               | 1860                 | 12.35                | 0.04               | 5.8                  | 16.2                 | 420                 |
| M356005            |                                   | 2.92               | 15.65                | 0.11                 | 0.9                  | 0.027                | 3.05              | 21.8                 | 15.8                 | 0.73               | 196                  | 1.00                 | 1.41               | 5.4                  | 2.5                  | 560                 |
| M356006            |                                   | 4.66               | 16.05                | 0.13                 | 0.9                  | 0.427                | 3.04              | 18.9                 | 19.8                 | 0.80               | 374                  | 2.16                 | 0.53               | 4.9                  | 2.8                  | 530                 |
| M356007            |                                   | 3.10               | 16.25                | 0.14                 | 1.1                  | 0.032                | 3.19              | 23.0                 | 17.5                 | 0.74               | 281                  | 0.59                 | 0.85               | 5.3                  | 2.6                  | 590                 |
| M356008            |                                   | 7.06               | 14.70                | 0.09                 | 0.8                  | 0.128                | 2.82              | 27.5                 | 16.8                 | 0.69               | 1080                 | 8.12                 | 0.06               | 3.4                  | 3.8                  | 450                 |
| M356009            |                                   | 0.52               | 0.16                 | 0.06                 | <0.1                 | 0.010                | 0.02              | 0.5                  | 1.0                  | 13.05              | 210                  | 0.05                 | <0.01              | 0.1                  | 1.4                  | 270                 |
| M356010            |                                   | 3.24               | 16.50                | 0.14                 | 0.9                  | 0.034                | 2.97              | 21.1                 | 20.0                 | 0.72               | 207                  | 0.91                 | 1.11               | 6.7                  | 2.6                  | 590                 |
| M356011            |                                   | 3.22               | 16.45                | 0.11                 | 0.9                  | 0.021                | 2.91              | 19.8                 | 20.5                 | 0.67               | 160                  | 0.90                 | 0.90               | 5.6                  | 2.7                  | 570                 |
| M356012            |                                   | 3.17               | 16.15                | 0.10                 | 1.0                  | 0.035                | 2.86              | 20.8                 | 16.7                 | 0.77               | 183                  | 1.30                 | 1.30               | 6.4                  | 2.7                  | 590                 |
| M356013            |                                   | 4.35               | 15.40                | 0.10                 | 0.9                  | 0.024                | 2.96              | 26.2                 | 25.5                 | 1.09               | 218                  | 1.13                 | 0.17               | 5.5                  | 3.0                  | 540                 |
| M356014            |                                   | 4.75               | 14.65                | 0.12                 | 1.0                  | 0.047                | 2.88              | 21.7                 | 27.0                 | 0.96               | 230                  | 6.62                 | 1.01               | 5.4                  | 3.3                  | 560                 |
| M356015            |                                   | 3.64               | 14.40                | 0.09                 | 1.0                  | 0.028                | 3.12              | 23.7                 | 15.5                 | 1.13               | 235                  | 0.89                 | 0.80               | 5.4                  | 3.7                  | 560                 |
| M356016            |                                   | 5.57               | 17.65                | 0.11                 | 2.0                  | 0.145                | 1.83              | 14.6                 | 45.1                 | 3.50               | 592                  | 1.67                 | 1.46               | 6.2                  | 116.5                | 730                 |
| M356017            |                                   | 3.85               | 15.55                | 0.10                 | 1.7                  | 0.089                | 2.62              | 16.3                 | 17.9                 | 1.75               | 862                  | 1.93                 | 0.79               | 5.4                  | 50.7                 | 640                 |
| M356018            |                                   | 3.83               | 17.05                | 0.13                 | 1.6                  | 0.154                | 3.01              | 14.9                 | 19.0                 | 1.50               | 1150                 | 1.96                 | 0.90               | 6.2                  | 30.2                 | 630                 |
| M356019            |                                   | 4.96               | 16.85                | 0.12                 | 1.7                  | 0.073                | 3.97              | 15.5                 | 9.5                  | 1.22               | 907                  | 2.17                 | 0.40               | 5.7                  | 24.6                 | 620                 |
| M356020            |                                   | 6.84               | 13.70                | 0.09                 | 0.9                  | 1.535                | 2.76              | 21.6                 | 22.9                 | 0.92               | 1920                 | 11.45                | 0.04               | 5.5                  | 15.0                 | 450                 |
| M356021            |                                   | 4.36               | 17.25                | 0.09                 | 1.8                  | 0.090                | 3.62              | 16.5                 | 18.7                 | 1.45               | 637                  | 2.12                 | 0.88               | 5.6                  | 29.2                 | 640                 |
| M356022            |                                   | 5.08               | 17.60                | 0.12                 | 1.9                  | 0.130                | 2.84              | 15.4                 | 32.7                 | 2.46               | 1660                 | 1.84                 | 1.03               | 5.5                  | 83.2                 | 690                 |
| M356023            |                                   | 5.88               | 15.70                | 0.12                 | 0.8                  | 0.181                | 3.18              | 24.2                 | 13.3                 | 0.98               | 2220                 | 1.48                 | 0.04               | 4.9                  | 5.3                  | 510                 |
| M356024            |                                   | 3.56               | 15.65                | 0.12                 | 0.9                  | 0.098                | 3.15              | 25.9                 | 24.6                 | 1.04               | 615                  | 2.02                 | 0.15               | 5.3                  | 3.1                  | 570                 |
| M356025            |                                   | 5.67               | 15.45                | 0.12                 | 0.9                  | 0.166                | 3.13              | 23.6                 | 13.6                 | 0.80               | 1290                 | 1.81                 | 0.26               | 5.4                  | 2.9                  | 500                 |
| M356026            |                                   | 0.48               | 0.16                 | 0.07                 | <0.1                 | 0.008                | 0.02              | 0.5                  | 1.0                  | 13.30              | 211                  | 0.08                 | 0.01               | 0.1                  | 1.4                  | 170                 |
| M356027            |                                   | 4.33               | 15.95                | 0.12                 | 1.1                  | 0.112                | 3.33              | 28.5                 | 11.8                 | 0.90               | 889                  | 1.22                 | 0.34               | 6.4                  | 2.7                  | 560                 |
| M356028            |                                   | 5.03               | 14.50                | 0.15                 | 1.2                  | 0.177                | 3.27              | 28.9                 | 6.4                  | 0.61               | 785                  | 1.27                 | 0.04               | 6.0                  | 2.6                  | 520                 |
| M356029            |                                   | 5.27               | 16.05                | 0.10                 | 1.0                  | 0.195                | 3.26              | 27.4                 | 10.5                 | 0.68               | 455                  | 1.76                 | 0.05               | 5.4                  | 3.0                  | 520                 |
| M356030            |                                   | 3.05               | 16.90                | 0.13                 | 1.0                  | 0.073                | 3.00              | 25.6                 | 19.1                 | 0.82               | 329                  | 1.05                 | 0.71               | 7.0                  | 2.6                  | 560                 |
| M356031            |                                   | 3.95               | 16.45                | 0.13                 | 1.1                  | 0.098                | 3.19              | 28.8                 | 20.2                 | 0.83               | 366                  | 1.60                 | 0.23               | 6.7                  | 2.5                  | 560                 |
| M356032            |                                   | 4.41               | 16.45                | 0.13                 | 1.0                  | 0.121                | 3.11              | 27.1                 | 19.3                 | 0.86               | 918                  | 1.97                 | 0.05               | 5.7                  | 2.7                  | 540                 |
| M356033            |                                   | 3.23               | 16.00                | 0.11                 | 1.1                  | 0.056                | 3.05              | 26.6                 | 29.4                 | 0.85               | 301                  | 1.54                 | 0.09               | 6.8                  | 2.8                  | 560                 |
| M356034            |                                   | 3.13               | 16.55                | 0.12                 | 1.1                  | 0.034                | 3.03              | 24.2                 | 26.6                 | 0.63               | 246                  | 3.44                 | 0.27               | 7.2                  | 4.2                  | 580                 |
| M356035            |                                   | 3.10               | 17.20                | 0.12                 | 1.2                  | 0.043                | 3.02              | 26.0                 | 26.8                 | 0.62               | 244                  | 2.47                 | 0.22               | 7.6                  | 3.6                  | 590                 |
| M356036            |                                   | 3.05               | 17.45                | 0.11                 | 1.1                  | 0.041                | 2.97              | 29.0                 | 23.0                 | 0.70               | 193                  | 1.73                 | 1.37               | 7.9                  | 2.5                  | 580                 |



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**CERTIFICATE OF ANALYSIS WH12219218**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | 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 |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                    |                                   | Pb      | Rb      | Re      | S       | Sb      | Sc      | Se      | Sn      | Sr      | Ta      | Te      | Th      | Ti      | U       |
|                    |                                   | ppm     | ppm     | ppm     | %       | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | %       | ppm     |
|                    |                                   | 0.5     | 0.1     | 0.002   | 0.01    | 0.05    | 0.1     | 1       | 0.2     | 0.2     | 0.05    | 0.05    | 0.2     | 0.005   | 0.1     |
| M356001            |                                   | 18.5    | 137.5   | <0.002  | 1.51    | 18.40   | 10.3    | 1       | 2.8     | 135.5   | 0.48    | 0.35    | 12.2    | 0.228   | 4.1     |
| M356002            |                                   | 13.3    | 113.5   | <0.002  | 1.72    | 5.89    | 10.2    | 1       | 2.7     | 286     | 0.51    | 0.35    | 10.5    | 0.238   | 3.8     |
| M356003            |                                   | 43.0    | 121.0   | <0.002  | 1.50    | 4.36    | 9.3     | 1       | 2.8     | 313     | 0.51    | 0.41    | 10.8    | 0.227   | 3.8     |
| M356004            |                                   | 2790    | 163.0   | 0.002   | 4.56    | 93.7    | 8.1     | 1       | 8.0     | 88.8    | 0.43    | 0.40    | 9.8     | 0.179   | 4.9     |
| M356005            |                                   | 23.5    | 115.5   | <0.002  | 1.52    | 11.00   | 9.0     | 1       | 2.5     | 352     | 0.42    | 0.30    | 11.5    | 0.211   | 3.9     |
| M356006            |                                   | 516     | 134.5   | 0.002   | 3.81    | 9.28    | 9.4     | 3       | 4.9     | 169.5   | 0.35    | 0.42    | 10.9    | 0.186   | 4.6     |
| M356007            |                                   | 15.9    | 134.5   | <0.002  | 1.94    | 8.08    | 9.9     | 1       | 3.0     | 259     | 0.43    | 0.19    | 10.9    | 0.200   | 3.6     |
| M356008            |                                   | 156.5   | 141.5   | 0.004   | 6.76    | 48.0    | 8.3     | 2       | 10.0    | 57.5    | 0.29    | 1.00    | 9.2     | 0.135   | 2.8     |
| M356009            |                                   | 1.6     | 0.8     | <0.002  | 0.03    | 0.15    | 0.1     | <1      | 0.2     | 42.2    | <0.05   | <0.05   | <0.2    | <0.005  | 0.6     |
| M356010            |                                   | 15.3    | 115.0   | <0.002  | 1.44    | 3.09    | 9.6     | 2       | 3.0     | 280     | 0.54    | 0.18    | 10.7    | 0.232   | 3.4     |
| M356011            |                                   | 15.6    | 117.5   | <0.002  | 2.26    | 17.75   | 9.7     | 2       | 3.3     | 283     | 0.41    | 0.24    | 10.7    | 0.214   | 3.8     |
| M356012            |                                   | 14.9    | 107.5   | <0.002  | 1.70    | 6.27    | 10.0    | 1       | 3.2     | 305     | 0.48    | 0.25    | 11.0    | 0.234   | 3.7     |
| M356013            |                                   | 24.4    | 132.5   | <0.002  | 3.34    | 13.80   | 9.5     | 2       | 4.0     | 144.5   | 0.42    | 0.31    | 11.8    | 0.208   | 3.6     |
| M356014            |                                   | 27.0    | 124.0   | <0.002  | 3.75    | 6.29    | 9.7     | 4       | 3.2     | 235     | 0.41    | 0.27    | 10.7    | 0.190   | 4.1     |
| M356015            |                                   | 27.1    | 143.0   | <0.002  | 2.54    | 10.15   | 9.6     | 1       | 3.1     | 302     | 0.42    | 0.42    | 11.1    | 0.210   | 3.9     |
| M356016            |                                   | 32.2    | 110.5   | <0.002  | 1.19    | 4.37    | 20.8    | 1       | 2.2     | 1485    | 0.43    | 0.15    | 6.1     | 0.351   | 2.8     |
| M356017            |                                   | 76.4    | 121.0   | <0.002  | 1.58    | 5.82    | 11.7    | 1       | 2.2     | 369     | 0.45    | 0.15    | 7.2     | 0.245   | 3.5     |
| M356018            |                                   | 122.5   | 133.0   | <0.002  | 2.62    | 5.17    | 9.2     | 1       | 3.3     | 3300    | 0.51    | 0.25    | 8.1     | 0.219   | 4.1     |
| M356019            |                                   | 80.5    | 190.5   | 0.002   | 4.02    | 4.51    | 8.6     | 2       | 4.8     | 214     | 0.46    | 0.34    | 8.4     | 0.207   | 5.0     |
| M356020            |                                   | 2920    | 158.0   | 0.002   | 4.79    | 88.1    | 7.6     | <1      | 7.6     | 84.8    | 0.43    | 0.36    | 9.3     | 0.183   | 4.8     |
| M356021            |                                   | 30.9    | 163.0   | <0.002  | 2.89    | 6.44    | 9.4     | 2       | 4.0     | 354     | 0.51    | 0.36    | 8.2     | 0.209   | 4.7     |
| M356022            |                                   | 70.3    | 147.0   | <0.002  | 2.10    | 10.35   | 15.9    | 1       | 3.1     | 727     | 0.43    | 0.27    | 6.4     | 0.296   | 3.5     |
| M356023            |                                   | 398     | 169.5   | <0.002  | 5.63    | 30.2    | 8.9     | 3       | 8.8     | 86.8    | 0.37    | 0.42    | 10.6    | 0.193   | 3.4     |
| M356024            |                                   | 47.0    | 137.5   | <0.002  | 2.36    | 27.5    | 9.5     | 2       | 4.0     | 138.5   | 0.40    | 0.13    | 11.0    | 0.205   | 3.2     |
| M356025            |                                   | 841     | 145.0   | <0.002  | 5.27    | 21.3    | 8.8     | 3       | 8.4     | 88.3    | 0.49    | 0.44    | 10.9    | 0.183   | 4.7     |
| M356026            |                                   | 2.1     | 0.8     | <0.002  | 0.01    | 0.09    | 0.1     | <1      | 0.2     | 47.2    | <0.05   | <0.05   | <0.2    | <0.005  | 0.8     |
| M356027            |                                   | 82.0    | 164.0   | 0.002   | 3.58    | 70.6    | 10.1    | 4       | 5.0     | 128.0   | 0.67    | 0.46    | 12.8    | 0.205   | 5.5     |
| M356028            |                                   | 114.0   | 148.5   | <0.002  | 4.45    | 19.55   | 9.6     | 6       | 6.7     | 35.2    | 0.55    | 0.44    | 12.0    | 0.207   | 4.0     |
| M356029            |                                   | 243     | 159.0   | 0.002   | 4.83    | 42.9    | 9.4     | 3       | 9.8     | 49.2    | 0.56    | 0.44    | 11.6    | 0.186   | 4.8     |
| M356030            |                                   | 53.3    | 124.0   | <0.002  | 1.58    | 19.45   | 10.1    | 1       | 3.5     | 219     | 0.72    | 0.26    | 11.5    | 0.224   | 4.4     |
| M356031            |                                   | 38.9    | 139.0   | <0.002  | 2.81    | 27.8    | 9.8     | 2       | 6.0     | 106.5   | 0.62    | 0.34    | 12.6    | 0.218   | 4.6     |
| M356032            |                                   | 112.5   | 174.0   | <0.002  | 3.82    | 37.9    | 9.6     | 2       | 8.7     | 62.7    | 0.51    | 0.49    | 11.8    | 0.195   | 3.8     |
| M356033            |                                   | 55.8    | 118.5   | <0.002  | 1.55    | 17.70   | 9.6     | 1       | 3.0     | 99.2    | 0.62    | 0.13    | 12.7    | 0.222   | 5.9     |
| M356034            |                                   | 19.9    | 132.5   | 0.002   | 1.17    | 10.75   | 10.2    | 1       | 2.9     | 112.0   | 0.65    | 0.19    | 13.2    | 0.238   | 4.5     |
| M356035            |                                   | 19.1    | 131.0   | <0.002  | 1.10    | 11.40   | 10.5    | 1       | 3.0     | 105.0   | 0.69    | 0.23    | 13.3    | 0.245   | 4.3     |
| M356036            |                                   | 33.3    | 120.5   | <0.002  | 0.85    | 4.48    | 10.5    | 1       | 2.8     | 273     | 0.67    | 0.11    | 14.7    | 0.251   | 5.2     |



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 Account: ROCKHA

Project: Klaza-130

**CERTIFICATE OF ANALYSIS WH12219218**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS61<br>V<br>ppm<br>1 | 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 |
|--------------------|-----------------------------------|--------------------------|----------------------------|----------------------------|---------------------------|-----------------------------|
| M356001            |                                   | 63                       | 2.6                        | 12.2                       | 40                        | 25.2                        |
| M356002            |                                   | 69                       | 2.3                        | 10.7                       | 23                        | 24.2                        |
| M356003            |                                   | 64                       | 2.6                        | 10.1                       | 74                        | 23.1                        |
| M356004            |                                   | 53                       | 4.8                        | 9.6                        | 5290                      | 25.5                        |
| M356005            |                                   | 65                       | 2.8                        | 9.8                        | 33                        | 21.0                        |
| M356006            |                                   | 64                       | 4.8                        | 10.1                       | 526                       | 22.2                        |
| M356007            |                                   | 66                       | 3.9                        | 10.6                       | 30                        | 25.6                        |
| M356008            |                                   | 56                       | 4.1                        | 9.2                        | 328                       | 18.4                        |
| M356009            |                                   | 1                        | 0.1                        | 0.7                        | 13                        | <0.5                        |
| M356010            |                                   | 66                       | 4.3                        | 11.2                       | 22                        | 23.5                        |
| M356011            |                                   | 66                       | 3.4                        | 10.7                       | 22                        | 21.7                        |
| M356012            |                                   | 67                       | 3.4                        | 11.0                       | 23                        | 24.5                        |
| M356013            |                                   | 64                       | 4.1                        | 11.1                       | 34                        | 21.6                        |
| M356014            |                                   | 62                       | 2.2                        | 11.2                       | 33                        | 22.8                        |
| M356015            |                                   | 65                       | 2.4                        | 11.8                       | 40                        | 24.0                        |
| M356016            |                                   | 140                      | 2.6                        | 13.5                       | 139                       | 73.1                        |
| M356017            |                                   | 92                       | 6.3                        | 9.4                        | 136                       | 53.7                        |
| M356018            |                                   | 75                       | 4.1                        | 8.2                        | 413                       | 49.7                        |
| M356019            |                                   | 74                       | 12.3                       | 8.3                        | 185                       | 50.8                        |
| M356020            |                                   | 56                       | 5.0                        | 9.0                        | 5470                      | 24.4                        |
| M356021            |                                   | 79                       | 11.0                       | 8.9                        | 119                       | 52.9                        |
| M356022            |                                   | 116                      | 5.6                        | 11.1                       | 186                       | 65.2                        |
| M356023            |                                   | 61                       | 8.5                        | 9.4                        | 280                       | 17.9                        |
| M356024            |                                   | 65                       | 5.6                        | 11.3                       | 103                       | 22.5                        |
| M356025            |                                   | 56                       | 5.8                        | 10.2                       | 418                       | 20.6                        |
| M356026            |                                   | 2                        | 0.1                        | 0.8                        | 15                        | <0.5                        |
| M356027            |                                   | 63                       | 4.9                        | 12.8                       | 144                       | 24.0                        |
| M356028            |                                   | 62                       | 6.1                        | 10.1                       | 437                       | 23.6                        |
| M356029            |                                   | 60                       | 7.0                        | 10.7                       | 507                       | 22.2                        |
| M356030            |                                   | 65                       | 2.9                        | 12.0                       | 100                       | 22.9                        |
| M356031            |                                   | 64                       | 4.1                        | 12.0                       | 92                        | 25.0                        |
| M356032            |                                   | 60                       | 4.7                        | 11.5                       | 213                       | 21.6                        |
| M356033            |                                   | 65                       | 3.8                        | 12.0                       | 79                        | 24.5                        |
| M356034            |                                   | 66                       | 2.9                        | 12.4                       | 43                        | 25.0                        |
| M356035            |                                   | 68                       | 2.9                        | 13.1                       | 44                        | 26.1                        |
| M356036            |                                   | 69                       | 2.2                        | 15.3                       | 45                        | 24.5                        |



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**CERTIFICATE OF ANALYSIS WH12219218**

| Method             | CERTIFICATE COMMENTS   |
|--------------------|--|
| ME-MS61<br>ME-MS61 | REE's may not be totally soluble in this method.<br>Interference: Samples with Ca>10% on ICP-MS As. ICP-AES As results reported (5 ppm DL) |