ALS Canada Ltd.

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

To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

# CERTIFICATE TB12030883

Project: TPK-ROWLANDSON

P.O. No.:

This report is for 180 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 17-FEB-2012.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| RACHEL GHENT | DARRELL HYDE | KERRY SPARKES |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-22 | Sample login - Rcd w/o BarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |

## ANALYTICAL PROCEDURES

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

To: **RAINY RIVER RESOURCES LTD.**
**ATTN: DARRELL HYDE**
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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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# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-AA23 Au g/t 0.005 | ME-MS61 Ag ppm 0.01 | ME-MS61 Al % 0.01 | ME-MS61 As ppm 0.2 | ME-MS61 Ba ppm 10 | ME-MS61 Be ppm 0.05 | ME-MS61 Bi ppm 0.01 | ME-MS61 Ca % 0.01 | ME-MS61 Cd ppm 0.02 | ME-MS61 Ce ppm 0.01 | ME-MS61 Co ppm 0.1 | ME-MS61 Cr ppm 1 | ME-MS61 Cs ppm 0.05 | ME-MS61 Cu ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597504 | | 1.69 | <0.005 | 0.02 | 5.81 | 1.9 | 870 | 1.92 | 0.08 | 0.48 | 0.03 | 118.5 | 1.2 | 12 | 0.24 | 2.1 |
| J597505 | | 1.69 | <0.005 | 0.02 | 6.04 | 2.1 | 870 | 1.86 | 0.06 | 0.45 | 0.03 | 123.0 | 1.0 | 14 | 0.34 | 2.0 |
| J597506 | | 1.69 | <0.005 | 0.03 | 6.11 | 3.5 | 860 | 2.25 | 0.15 | 1.02 | 0.03 | 147.0 | 2.1 | 18 | 0.29 | 3.3 |
| J597507 | | 1.74 | <0.005 | 0.02 | 6.21 | 3.0 | 960 | 1.98 | 0.10 | 0.61 | 0.03 | 133.0 | 1.5 | 15 | 0.24 | 3.1 |
| J597508 | | 1.81 | <0.005 | 0.03 | 6.10 | 1.8 | 920 | 1.97 | 0.09 | 0.60 | <0.02 | 115.0 | 1.0 | 16 | 0.20 | 1.4 |
| J597509 | | 1.69 | <0.005 | 0.04 | 5.90 | 1.7 | 940 | 1.80 | 0.08 | 0.56 | 0.02 | 111.5 | 1.1 | 19 | 0.23 | 3.6 |
| J597510 | | 1.53 | <0.005 | 0.03 | 5.73 | 1.9 | 820 | 1.87 | 0.08 | 0.56 | 0.04 | 110.0 | 0.9 | 17 | 0.30 | 3.0 |
| J597511 | | 1.61 | <0.005 | 0.04 | 5.86 | 6.3 | 770 | 1.82 | 0.07 | 0.52 | 0.04 | 110.0 | 1.1 | 22 | 0.31 | 4.6 |
| J597512 | | 1.67 | <0.005 | 0.02 | 5.83 | 13.1 | 750 | 2.03 | 0.07 | 0.69 | 0.03 | 119.5 | 1.3 | 18 | 0.46 | 1.1 |
| J597513 | | 1.63 | <0.005 | 0.03 | 6.09 | 91.2 | 760 | 1.89 | 0.03 | 0.34 | 0.11 | 120.5 | 0.6 | 10 | 0.41 | 2.6 |
| J597514 | | 1.78 | <0.005 | 0.05 | 6.05 | 243 | 840 | 2.07 | 0.05 | 0.41 | 0.04 | 129.0 | 1.1 | 12 | 0.42 | 2.9 |
| J597515 | | 1.60 | <0.005 | 0.03 | 5.90 | 30.3 | 900 | 1.75 | 0.06 | 0.29 | <0.02 | 112.0 | 0.9 | 23 | 0.31 | 1.3 |
| J597516 | | 1.63 | <0.005 | 0.03 | 6.14 | 2.4 | 910 | 1.97 | 0.21 | 0.41 | <0.02 | 133.0 | 0.7 | 18 | 0.35 | 1.9 |
| J597517 | | 1.58 | <0.005 | 0.03 | 5.95 | 4.5 | 870 | 2.05 | 0.07 | 0.58 | <0.02 | 123.5 | 1.0 | 18 | 0.31 | 1.4 |
| J597518 | | 1.53 | <0.005 | 0.02 | 6.00 | 10.4 | 950 | 2.31 | 0.31 | 0.59 | <0.02 | 125.0 | 0.8 | 18 | 0.42 | 1.5 |
| J597519 | | 1.61 | 0.121 | 0.04 | 4.07 | 30.0 | 630 | 1.32 | 0.06 | 0.49 | 0.11 | 88.8 | 0.8 | 13 | 0.27 | 4.2 |
| J597520 | | 1.81 | 0.027 | 0.01 | 5.90 | 16.1 | 880 | 1.57 | 0.25 | 0.44 | 0.04 | 137.5 | 0.8 | 18 | 0.36 | 3.4 |
| J597521 | | 1.09 | <0.005 | 0.03 | 5.96 | 15.8 | 870 | 1.72 | 0.11 | 0.39 | 0.02 | 116.5 | 1.0 | 14 | 0.33 | 2.4 |
| J597522 | | 1.95 | 0.032 | 0.07 | 5.96 | 119.5 | 890 | 1.84 | 0.10 | 0.51 | 0.05 | 119.0 | 1.7 | 15 | 0.34 | 4.8 |
| J597523 | | 1.74 | 0.015 | 0.04 | 6.09 | 136.0 | 870 | 2.20 | 0.09 | 0.45 | 0.05 | 131.0 | 1.2 | 21 | 0.34 | 2.2 |
| J597524 | | 1.84 | <0.005 | 0.05 | 5.94 | 25.0 | 840 | 2.04 | 0.07 | 0.42 | 0.04 | 121.0 | 1.4 | 20 | 0.38 | 2.0 |
| J597525 | | 1.90 | <0.005 | 0.04 | 5.75 | 14.2 | 920 | 2.00 | 0.07 | 0.37 | 0.04 | 106.0 | 1.2 | 23 | 0.30 | 2.5 |
| J597526 | | 1.78 | <0.005 | 0.03 | 5.87 | 4.6 | 900 | 2.24 | 0.09 | 0.44 | 0.03 | 124.0 | 2.1 | 24 | 0.27 | 3.0 |
| J597527 | | 1.67 | <0.005 | 0.03 | 5.81 | 2.4 | 930 | 2.06 | 0.09 | 0.37 | <0.02 | 97.7 | 1.1 | 19 | 0.25 | 2.3 |
| J597528 | | 1.63 | <0.005 | 0.01 | 5.84 | 2.1 | 880 | 2.08 | 0.06 | 0.31 | <0.02 | 100.0 | 1.1 | 29 | 0.28 | 3.0 |
| J597529 | | 0.03 | 1.395 | 0.73 | 8.23 | 3.5 | 90 | 2.38 | 0.66 | 0.89 | 0.12 | 17.35 | 8.6 | 27 | 22.4 | 14.6 |
| J597530 | | 1.66 | <0.005 | 0.04 | 6.19 | 4.7 | 910 | 2.36 | 0.08 | 0.53 | <0.02 | 157.5 | 1.6 | 22 | 0.33 | 2.5 |
| J597531 | | 1.62 | <0.005 | 0.02 | 6.20 | 34.9 | 890 | 2.23 | 0.04 | 0.50 | 0.03 | 140.0 | 1.1 | 15 | 0.52 | 2.2 |
| J597532 | | 1.62 | <0.005 | 0.04 | 6.00 | 25.7 | 870 | 1.99 | 0.05 | 0.45 | <0.02 | 116.0 | 1.0 | 16 | 0.67 | 1.3 |
| J597533 | | 1.51 | <0.005 | 0.01 | 5.89 | 4.4 | 880 | 2.00 | 0.06 | 0.40 | <0.02 | 123.5 | 0.8 | 16 | 0.47 | 2.3 |
| J597534 | | 1.11 | <0.005 | 0.01 | 5.85 | 20.0 | 830 | 1.86 | 0.06 | 0.44 | 0.02 | 104.5 | 1.0 | 16 | 0.50 | 2.8 |
| J597535 | | 0.93 | <0.005 | 0.06 | 5.75 | 20.5 | 810 | 1.73 | 0.06 | 0.59 | 0.02 | 138.0 | 0.9 | 13 | 0.41 | 4.9 |
| J597536 | | 1.19 | 0.050 | 0.08 | 5.39 | 135.5 | 570 | 2.53 | 0.10 | 0.42 | 0.29 | 109.0 | 3.4 | 8 | 0.65 | 7.1 |
| J597537 | | 0.92 | 0.046 | 0.09 | 5.59 | 26.4 | 490 | 3.39 | 0.13 | 0.48 | 0.67 | 192.5 | 6.6 | 8 | 0.68 | 14.4 |
| J597538 | | 1.40 | 0.081 | 0.23 | 6.25 | 38.5 | 480 | 3.04 | 0.13 | 1.16 | 0.54 | 162.0 | 4.6 | 9 | 0.69 | 13.8 |
| J597539 | | 0.98 | 0.018 | 0.07 | 5.75 | 123.5 | 700 | 2.04 | 0.07 | 0.49 | 0.08 | 126.5 | 3.0 | 11 | 0.31 | 14.0 |
| J597540 | | 1.13 | 0.015 | 0.06 | 5.50 | 84.2 | 650 | 2.05 | 0.09 | 0.45 | 0.03 | 109.0 | 1.5 | 11 | 0.30 | 7.2 |
| J597541 | | 1.09 | 0.054 | 0.06 | 5.67 | 24.8 | 490 | 2.23 | 0.20 | 0.59 | 0.50 | 94.5 | 1.0 | 10 | 0.49 | 5.8 |
| J597542 | | 1.20 | 0.053 | 0.20 | 6.04 | 52.7 | 750 | 2.28 | 0.13 | 0.53 | 0.44 | 118.0 | 1.5 | 10 | 0.52 | 16.1 |
| J597543 | | 0.97 | 0.079 | 0.26 | 5.90 | 36.8 | 530 | 3.30 | 0.21 | 0.50 | 0.25 | 124.0 | 2.0 | 8 | 0.59 | 42.0 |

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**Finalized Date: 27-FEB-2012**
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Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Fe % 0.01 | ME-MS61 Ga ppm 0.05 | ME-MS61 Ge ppm 0.05 | ME-MS61 Hf ppm 0.1 | ME-MS61 In ppm 0.005 | ME-MS61 K % 0.01 | ME-MS61 La ppm 0.5 | ME-MS61 Li ppm 0.2 | ME-MS61 Mg % 0.01 | ME-MS61 Mn ppm 5 | ME-MS61 Mo ppm 0.05 | ME-MS61 Na % 0.01 | ME-MS61 Nb ppm 0.1 | ME-MS61 Ni ppm 0.2 | ME-MS61 P ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597504 | | 1.15 | 15.40 | 0.17 | 6.1 | 0.036 | 3.19 | 58.1 | 2.0 | 0.03 | 244 | 1.21 | 2.66 | 14.0 | 0.8 | 40 |
| J597505 | | 1.26 | 15.45 | 0.19 | 6.0 | 0.048 | 3.06 | 60.6 | 2.2 | 0.04 | 236 | 1.45 | 2.92 | 14.5 | 0.8 | 40 |
| J597506 | | 1.63 | 16.65 | 0.20 | 6.3 | 0.057 | 2.58 | 76.4 | 2.7 | 0.05 | 831 | 1.10 | 2.81 | 14.3 | 1.2 | 60 |
| J597507 | | 1.25 | 17.30 | 0.19 | 6.3 | 0.051 | 3.03 | 67.9 | 2.2 | 0.04 | 295 | 1.38 | 3.06 | 15.5 | 1.0 | 60 |
| J597508 | | 1.11 | 16.50 | 0.19 | 6.5 | 0.039 | 2.82 | 54.9 | 1.7 | 0.04 | 233 | 1.24 | 3.21 | 15.4 | 1.0 | 50 |
| J597509 | | 1.31 | 16.85 | 0.18 | 7.2 | 0.047 | 2.96 | 55.8 | 1.6 | 0.05 | 288 | 1.38 | 2.87 | 15.4 | 1.3 | 50 |
| J597510 | | 1.11 | 16.45 | 0.18 | 7.1 | 0.052 | 2.62 | 53.4 | 1.4 | 0.04 | 434 | 1.15 | 2.94 | 15.8 | 1.3 | 40 |
| J597511 | | 1.29 | 16.70 | 0.17 | 7.6 | 0.044 | 2.59 | 54.0 | 2.2 | 0.04 | 279 | 1.21 | 2.93 | 15.6 | 1.7 | 30 |
| J597512 | | 1.13 | 16.75 | 0.16 | 7.7 | 0.040 | 2.22 | 60.6 | 2.7 | 0.05 | 276 | 0.93 | 2.95 | 14.7 | 1.2 | 50 |
| J597513 | | 1.01 | 18.05 | 0.17 | 8.3 | 0.059 | 2.91 | 61.3 | 6.0 | 0.04 | 118 | 1.31 | 1.19 | 16.7 | 0.8 | 30 |
| J597514 | | 1.26 | 17.20 | 0.19 | 8.4 | 0.038 | 2.85 | 66.5 | 5.1 | 0.05 | 191 | 1.45 | 2.38 | 16.1 | 0.9 | 30 |
| J597515 | | 1.28 | 17.20 | 0.21 | 7.4 | 0.038 | 3.22 | 56.9 | 2.2 | 0.04 | 205 | 0.78 | 2.65 | 16.4 | 0.9 | 30 |
| J597516 | | 1.32 | 17.90 | 0.21 | 8.5 | 0.051 | 3.25 | 68.7 | 1.8 | 0.03 | 240 | 1.68 | 2.86 | 17.4 | 1.2 | 30 |
| J597517 | | 1.27 | 17.05 | 0.20 | 8.0 | 0.035 | 2.74 | 64.5 | 3.1 | 0.04 | 238 | 1.19 | 2.83 | 14.8 | 1.2 | 30 |
| J597518 | | 1.19 | 17.00 | 0.19 | 8.1 | 0.044 | 2.96 | 64.6 | 3.2 | 0.04 | 242 | 1.33 | 2.77 | 16.6 | 1.0 | 30 |
| J597519 | | 0.81 | 11.35 | 0.15 | 5.5 | 0.028 | 2.04 | 45.8 | 2.8 | 0.02 | 189 | 1.02 | 1.57 | 10.9 | 0.7 | 10 |
| J597520 | | 1.13 | 17.15 | 0.19 | 8.3 | 0.042 | 3.28 | 71.0 | 3.4 | 0.04 | 196 | 1.21 | 2.57 | 16.8 | 1.5 | 20 |
| J597521 | | 1.30 | 17.60 | 0.20 | 7.9 | 0.031 | 3.24 | 58.8 | 3.6 | 0.05 | 226 | 0.99 | 2.60 | 17.5 | 1.0 | 20 |
| J597522 | | 1.25 | 17.60 | 0.23 | 8.2 | 0.037 | 2.76 | 61.0 | 4.0 | 0.03 | 204 | 1.04 | 2.54 | 17.0 | 1.3 | 30 |
| J597523 | | 1.29 | 17.75 | 0.20 | 8.2 | 0.046 | 3.23 | 67.7 | 2.9 | 0.03 | 237 | 1.53 | 2.63 | 18.0 | 1.0 | 30 |
| J597524 | | 1.25 | 17.45 | 0.22 | 8.1 | 0.041 | 3.02 | 61.1 | 2.6 | 0.03 | 230 | 1.14 | 2.72 | 17.3 | 1.3 | 20 |
| J597525 | | 1.27 | 16.55 | 0.20 | 7.4 | 0.044 | 3.00 | 52.6 | 2.0 | 0.02 | 248 | 1.24 | 2.63 | 16.5 | 1.0 | 20 |
| J597526 | | 1.26 | 17.10 | 0.21 | 7.5 | 0.046 | 2.92 | 64.1 | 1.8 | 0.03 | 211 | 0.88 | 2.78 | 17.0 | 1.2 | 20 |
| J597527 | | 1.24 | 16.85 | 0.18 | 7.4 | 0.034 | 3.13 | 49.5 | 1.5 | 0.02 | 207 | 0.81 | 2.65 | 14.2 | 1.1 | 20 |
| J597528 | | 1.20 | 17.15 | 0.22 | 7.8 | 0.039 | 3.40 | 50.0 | 1.4 | 0.03 | 272 | 0.93 | 2.61 | 15.0 | 1.5 | 30 |
| J597529 | | 3.90 | 19.65 | 0.24 | 1.4 | 0.012 | 2.64 | 8.9 | 5.1 | 0.91 | 236 | 1.03 | 5.04 | 9.2 | 32.6 | 650 |
| J597530 | | 1.41 | 18.25 | 0.27 | 8.4 | 0.048 | 3.22 | 84.4 | 2.3 | 0.03 | 266 | 0.84 | 2.87 | 17.4 | 1.1 | 30 |
| J597531 | | 1.48 | 17.95 | 0.23 | 7.9 | 0.040 | 2.85 | 73.6 | 3.7 | 0.04 | 197 | 1.15 | 2.93 | 17.6 | 1.2 | 40 |
| J597532 | | 1.36 | 16.95 | 0.21 | 8.4 | 0.036 | 2.99 | 60.6 | 3.4 | 0.04 | 171 | 0.95 | 2.81 | 17.1 | 0.9 | 30 |
| J597533 | | 1.19 | 17.25 | 0.23 | 8.2 | 0.045 | 3.14 | 63.1 | 2.1 | 0.03 | 185 | 0.97 | 2.74 | 17.0 | 1.0 | 30 |
| J597534 | | 1.21 | 17.00 | 0.20 | 8.6 | 0.033 | 3.01 | 53.2 | 2.9 | 0.03 | 166 | 1.05 | 2.64 | 17.1 | 0.9 | 20 |
| J597535 | | 1.09 | 16.85 | 0.21 | 7.9 | 0.039 | 3.10 | 70.8 | 3.5 | 0.03 | 179 | 1.38 | 2.56 | 15.4 | 0.8 | 20 |
| J597536 | | 1.34 | 15.15 | 0.22 | 6.7 | 0.047 | 2.48 | 56.9 | 9.1 | 0.08 | 148 | 2.23 | 0.99 | 14.3 | 2.1 | 30 |
| J597537 | | 1.72 | 18.00 | 0.28 | 6.9 | 0.036 | 2.32 | 103.5 | 11.9 | 0.11 | 136 | 2.44 | 0.93 | 17.5 | 4.1 | 40 |
| J597538 | | 1.33 | 18.40 | 0.22 | 7.7 | 0.033 | 2.08 | 85.1 | 8.1 | 0.09 | 376 | 0.85 | 2.31 | 17.5 | 1.9 | 40 |
| J597539 | | 1.18 | 17.65 | 0.20 | 8.3 | 0.026 | 2.21 | 65.8 | 5.3 | 0.06 | 209 | 1.53 | 2.90 | 17.3 | 1.8 | 20 |
| J597540 | | 0.94 | 16.55 | 0.20 | 7.3 | 0.015 | 2.21 | 55.8 | 3.0 | 0.03 | 175 | 1.28 | 2.92 | 17.2 | 1.1 | 20 |
| J597541 | | 0.65 | 15.50 | 0.16 | 7.4 | 0.022 | 1.95 | 48.3 | 3.7 | 0.04 | 146 | 9.19 | 1.87 | 17.4 | 1.3 | 20 |
| J597542 | | 1.08 | 17.30 | 0.19 | 6.9 | 0.049 | 2.90 | 60.2 | 5.4 | 0.06 | 220 | 2.05 | 1.11 | 15.2 | 0.8 | 20 |
| J597543 | | 1.68 | 17.35 | 0.23 | 7.5 | 0.059 | 2.16 | 63.8 | 7.4 | 0.07 | 136 | 2.40 | 1.27 | 17.5 | 1.2 | 20 |

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# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Pb ppm 0.5 | ME-MS61 Rb ppm 0.1 | ME-MS61 Re ppm 0.002 | ME-MS61 S % 0.01 | ME-MS61 Sb ppm 0.05 | ME-MS61 Sc ppm 0.1 | ME-MS61 Se ppm 1 | ME-MS61 Sn ppm 0.2 | ME-MS61 Sr ppm 0.2 | ME-MS61 Ta ppm 0.05 | ME-MS61 Te ppm 0.05 | ME-MS61 Th ppm 0.2 | ME-MS61 Ti % 0.005 | ME-MS61 Tl ppm 0.02 | ME-MS61 U ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597504 | | 7.6 | 81.5 | <0.002 | <0.01 | 0.24 | 5.7 | 2 | 1.2 | 58.5 | 1.08 | <0.05 | 15.4 | 0.078 | 0.22 | 3.6 |
| J597505 | | 8.5 | 90.3 | <0.002 | <0.01 | 0.24 | 6.1 | 2 | 1.4 | 50.4 | 1.11 | <0.05 | 15.0 | 0.077 | 0.23 | 3.5 |
| J597506 | | 9.1 | 76.1 | 0.003 | <0.01 | 0.38 | 6.7 | 2 | 1.6 | 97.2 | 1.14 | <0.05 | 15.8 | 0.092 | 0.22 | 3.5 |
| J597507 | | 8.9 | 98.3 | <0.002 | <0.01 | 0.35 | 6.3 | 2 | 1.7 | 81.9 | 1.14 | <0.05 | 15.9 | 0.094 | 0.24 | 3.4 |
| J597508 | | 9.7 | 78.2 | <0.002 | <0.01 | 0.36 | 6.5 | 3 | 1.5 | 80.9 | 1.15 | <0.05 | 15.2 | 0.100 | 0.23 | 3.4 |
| J597509 | | 10.1 | 80.5 | <0.002 | <0.01 | 0.47 | 6.7 | 2 | 1.2 | 75.9 | 1.30 | <0.05 | 17.8 | 0.095 | 0.21 | 3.8 |
| J597510 | | 8.2 | 80.6 | 0.002 | <0.01 | 0.51 | 6.3 | 2 | 1.8 | 64.9 | 1.31 | <0.05 | 17.2 | 0.082 | 0.21 | 3.3 |
| J597511 | | 8.6 | 81.1 | <0.002 | 0.06 | 0.55 | 6.0 | 1 | 1.9 | 67.2 | 1.34 | <0.05 | 17.4 | 0.076 | 0.23 | 3.9 |
| J597512 | | 8.6 | 69.5 | <0.002 | 0.01 | 0.70 | 6.7 | 1 | 1.9 | 93.6 | 1.32 | <0.05 | 18.1 | 0.085 | 0.20 | 3.8 |
| J597513 | | 19.0 | 87.9 | 0.002 | 0.12 | 0.86 | 6.3 | 1 | 2.4 | 43.5 | 1.39 | <0.05 | 17.6 | 0.073 | 0.30 | 3.8 |
| J597514 | | 13.5 | 76.2 | <0.002 | 0.06 | 1.11 | 7.0 | 1 | 1.7 | 50.5 | 1.35 | <0.05 | 18.2 | 0.068 | 0.33 | 3.7 |
| J597515 | | 5.2 | 77.4 | <0.002 | 0.01 | 0.62 | 5.9 | 1 | 1.3 | 42.7 | 1.39 | <0.05 | 18.2 | 0.056 | 0.31 | 3.8 |
| J597516 | | 8.4 | 99.6 | 0.002 | <0.01 | 0.58 | 6.6 | 2 | 1.9 | 44.7 | 1.43 | <0.05 | 18.5 | 0.075 | 0.38 | 4.1 |
| J597517 | | 4.2 | 91.0 | <0.002 | 0.01 | 0.63 | 6.5 | 1 | 2.4 | 59.0 | 1.27 | <0.05 | 17.7 | 0.064 | 0.31 | 3.9 |
| J597518 | | 4.5 | 83.1 | <0.002 | 0.02 | 0.64 | 6.7 | 1 | 2.4 | 54.8 | 1.32 | <0.05 | 18.0 | 0.067 | 0.35 | 4.0 |
| J597519 | | 12.9 | 69.8 | <0.002 | 0.12 | 0.59 | 4.5 | 1 | 1.2 | 35.1 | 0.92 | <0.05 | 12.4 | 0.045 | 0.23 | 2.9 |
| J597520 | | 9.2 | 88.5 | <0.002 | 0.06 | 0.74 | 6.8 | 1 | 1.5 | 47.4 | 1.38 | <0.05 | 19.3 | 0.064 | 0.37 | 4.1 |
| J597521 | | 8.6 | 84.0 | <0.002 | 0.07 | 0.79 | 5.5 | 1 | 1.2 | 39.6 | 1.40 | <0.05 | 18.8 | 0.052 | 0.33 | 4.6 |
| J597522 | | 15.1 | 80.2 | <0.002 | 0.27 | 0.84 | 6.3 | 1 | 1.5 | 53.8 | 1.40 | <0.05 | 18.5 | 0.069 | 0.31 | 4.2 |
| J597523 | | 11.9 | 89.7 | 0.002 | 0.07 | 0.97 | 6.4 | 1 | 1.4 | 50.8 | 1.48 | <0.05 | 18.7 | 0.069 | 0.33 | 4.3 |
| J597524 | | 7.1 | 84.8 | 0.002 | 0.02 | 0.81 | 5.9 | 1 | 1.4 | 50.4 | 1.46 | <0.05 | 18.9 | 0.063 | 0.33 | 4.5 |
| J597525 | | 7.9 | 74.8 | 0.002 | 0.03 | 0.73 | 5.3 | 1 | 1.3 | 42.0 | 1.52 | <0.05 | 17.8 | 0.059 | 0.27 | 4.5 |
| J597526 | | 7.2 | 72.3 | <0.002 | <0.01 | 0.65 | 5.7 | 1 | 1.5 | 55.4 | 1.47 | <0.05 | 18.8 | 0.065 | 0.24 | 4.5 |
| J597527 | | 8.1 | 87.2 | 0.002 | <0.01 | 0.56 | 5.3 | 1 | 1.2 | 59.7 | 1.43 | <0.05 | 17.9 | 0.059 | 0.26 | 4.9 |
| J597528 | | 7.5 | 89.2 | <0.002 | <0.01 | 0.63 | 5.6 | 1 | 1.2 | 40.3 | 1.42 | <0.05 | 17.5 | 0.064 | 0.28 | 4.4 |
| J597529 | | 76.5 | 600 | <0.002 | 3.00 | 1.34 | 3.3 | 1 | 1.1 | 167.5 | 0.85 | <0.05 | 3.2 | 0.218 | 6.69 | 1.3 |
| J597530 | | 7.7 | 87.0 | 0.002 | <0.01 | 0.80 | 6.8 | 1 | 1.8 | 55.9 | 1.36 | <0.05 | 19.0 | 0.073 | 0.28 | 3.9 |
| J597531 | | 5.9 | 83.7 | 0.002 | 0.01 | 0.99 | 6.6 | 1 | 1.9 | 59.2 | 1.37 | <0.05 | 17.4 | 0.075 | 0.31 | 4.2 |
| J597532 | | 5.4 | 83.1 | <0.002 | 0.01 | 1.15 | 6.1 | 1 | 1.6 | 51.2 | 1.41 | <0.05 | 18.1 | 0.068 | 0.31 | 3.9 |
| J597533 | | 5.0 | 87.4 | <0.002 | 0.01 | 1.02 | 6.4 | 1 | 1.6 | 46.2 | 1.41 | <0.05 | 19.2 | 0.066 | 0.32 | 4.0 |
| J597534 | | 5.1 | 84.0 | <0.002 | 0.03 | 1.19 | 5.6 | 1 | 1.3 | 51.8 | 1.41 | <0.05 | 18.1 | 0.059 | 0.37 | 4.0 |
| J597535 | | 6.7 | 82.8 | <0.002 | 0.06 | 1.22 | 5.8 | 1 | 1.4 | 42.3 | 1.23 | <0.05 | 17.1 | 0.056 | 0.37 | 4.4 |
| J597536 | | 35.3 | 91.1 | <0.002 | 0.38 | 1.92 | 4.4 | 1 | 2.0 | 32.4 | 1.24 | <0.05 | 15.6 | 0.057 | 0.38 | 3.6 |
| J597537 | | 14.5 | 96.4 | 0.002 | 0.78 | 1.02 | 4.7 | 1 | 2.3 | 42.3 | 1.39 | <0.05 | 18.9 | 0.069 | 0.35 | 4.2 |
| J597538 | | 52.4 | 81.1 | 0.002 | 0.43 | 1.76 | 4.9 | 1 | 2.3 | 71.5 | 1.63 | <0.05 | 18.5 | 0.060 | 0.35 | 3.8 |
| J597539 | | 10.6 | 82.9 | <0.002 | 0.15 | 1.20 | 5.6 | 1 | 2.3 | 64.5 | 1.51 | <0.05 | 18.9 | 0.052 | 0.33 | 4.3 |
| J597540 | | 8.7 | 76.9 | <0.002 | 0.19 | 1.08 | 4.5 | 1 | 1.3 | 71.6 | 1.46 | <0.05 | 17.2 | 0.047 | 0.28 | 3.6 |
| J597541 | | 10.8 | 82.8 | 0.002 | 0.07 | 1.04 | 3.5 | 1 | 1.7 | 48.8 | 1.64 | <0.05 | 18.3 | 0.050 | 0.25 | 3.5 |
| J597542 | | 49.0 | 97.6 | <0.002 | 0.32 | 1.65 | 5.5 | 1 | 1.7 | 43.7 | 1.35 | <0.05 | 18.5 | 0.052 | 0.38 | 4.5 |
| J597543 | | 34.8 | 90.1 | 0.002 | 0.87 | 1.45 | 5.6 | 1 | 2.1 | 43.3 | 1.53 | <0.05 | 19.1 | 0.057 | 0.37 | 5.4 |

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

ALS Canada Ltd.
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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 V ppm 1 | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 |
|---|---|---|---|---|---|---|
| J597504 | | 1 | 0.6 | 32.2 | 23 | 210 |
| J597505 | | 1 | 0.8 | 31.9 | 27 | 222 |
| J597506 | | 1 | 0.7 | 33.4 | 35 | 210 |
| J597507 | | 1 | 0.9 | 35.0 | 28 | 227 |
| J597508 | | 1 | 0.6 | 36.1 | 25 | 233 |
| J597509 | | 1 | 0.6 | 37.6 | 26 | 226 |
| J597510 | | 1 | 0.7 | 37.6 | 26 | 225 |
| J597511 | | 1 | 0.7 | 37.3 | 25 | 238 |
| J597512 | | 2 | 0.7 | 33.3 | 24 | 245 |
| J597513 | | 1 | 3.5 | 27.8 | 36 | 274 |
| J597514 | | 1 | 2.1 | 29.0 | 27 | 272 |
| J597515 | | <1 | 1.1 | 32.3 | 18 | 223 |
| J597516 | | 1 | 0.9 | 34.6 | 27 | 270 |
| J597517 | | 1 | 1.4 | 27.5 | 12 | 255 |
| J597518 | | 1 | 1.1 | 28.9 | 12 | 265 |
| J597519 | | <1 | 1.0 | 20.4 | 33 | 175.0 |
| J597520 | | 1 | 1.3 | 31.2 | 23 | 267 |
| J597521 | | 1 | 1.2 | 35.3 | 13 | 242 |
| J597522 | | 1 | 2.1 | 29.0 | 24 | 268 |
| J597523 | | 1 | 1.3 | 34.3 | 27 | 263 |
| J597524 | | <1 | 1.1 | 35.5 | 27 | 249 |
| J597525 | | 1 | 1.4 | 33.5 | 26 | 218 |
| J597526 | | 1 | 0.9 | 35.4 | 22 | 229 |
| J597527 | | 1 | 0.8 | 31.9 | 20 | 216 |
| J597528 | | 1 | 0.7 | 35.3 | 24 | 244 |
| J597529 | | 28 | 0.2 | 5.3 | 37 | 47.5 |
| J597530 | | <1 | 0.8 | 33.3 | 26 | 276 |
| J597531 | | 1 | 1.2 | 38.3 | 22 | 262 |
| J597532 | | 1 | 1.2 | 31.4 | 22 | 261 |
| J597533 | | 1 | 0.9 | 28.4 | 18 | 264 |
| J597534 | | 1 | 1.1 | 28.2 | 15 | 282 |
| J597535 | | 1 | 1.1 | 32.2 | 15 | 253 |
| J597536 | | 1 | 2.4 | 21.5 | 72 | 214 |
| J597537 | | 1 | 2.6 | 30.9 | 132 | 216 |
| J597538 | | 1 | 2.3 | 31.6 | 147 | 236 |
| J597539 | | 1 | 1.7 | 26.3 | 30 | 252 |
| J597540 | | <1 | 1.7 | 24.9 | 9 | 218 |
| J597541 | | 1 | 2.0 | 22.7 | 76 | 211 |
| J597542 | | <1 | 2.6 | 27.5 | 115 | 199.0 |
| J597543 | | <1 | 5.5 | 28.6 | 74 | 215 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-AA23 Au g/t 0.005 | ME-MS61 Ag ppm 0.01 | ME-MS61 Al % 0.01 | ME-MS61 As ppm 0.2 | ME-MS61 Ba ppm 10 | ME-MS61 Be ppm 0.05 | ME-MS61 Bi ppm 0.01 | ME-MS61 Ca % 0.01 | ME-MS61 Cd ppm 0.02 | ME-MS61 Ce ppm 0.01 | ME-MS61 Co ppm 0.1 | ME-MS61 Cr ppm 1 | ME-MS61 Cs ppm 0.05 | ME-MS61 Cu ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597544 | | 0.98 | 0.022 | 0.06 | 6.40 | 39.1 | 1310 | 2.21 | 0.05 | 0.20 | 0.11 | 135.0 | 0.4 | 11 | 0.49 | 5.1 |
| J597545 | | 1.12 | 0.005 | 0.07 | 5.85 | 125.5 | 940 | 1.70 | 0.07 | 0.39 | 0.03 | 127.0 | 1.0 | 13 | 0.38 | 5.3 |
| J597546 | | 1.35 | 0.200 | 0.13 | 6.16 | 954 | 870 | 2.13 | 0.14 | 0.32 | 0.16 | 149.5 | 2.2 | 12 | 0.41 | 33.6 |
| J597547 | | 1.09 | 0.045 | 0.15 | 5.47 | 43.0 | 780 | 2.73 | 0.15 | 0.42 | 0.14 | 113.5 | 1.6 | 10 | 0.42 | 34.3 |
| J597548 | | 1.59 | <0.005 | 0.04 | 5.54 | 7.3 | 800 | 1.69 | 0.06 | 0.43 | 0.02 | 117.0 | 0.6 | 13 | 0.35 | 3.7 |
| J597549 | | 1.71 | <0.005 | 0.03 | 6.07 | 4.7 | 810 | 2.11 | 0.04 | 0.46 | <0.02 | 114.5 | 0.5 | 16 | 0.34 | 3.7 |
| J597550 | | 1.90 | <0.005 | 0.05 | 6.12 | 72.9 | 740 | 1.85 | 0.09 | 0.50 | <0.02 | 117.5 | 0.5 | 15 | 0.32 | 5.5 |
| J597551 | | 1.78 | <0.005 | 0.01 | 6.31 | 259 | 870 | 1.99 | 0.08 | 0.48 | <0.02 | 120.0 | 1.0 | 15 | 0.31 | 2.2 |
| J597552 | | 1.49 | <0.005 | 0.02 | 6.18 | 7.7 | 760 | 2.00 | 0.04 | 0.60 | <0.02 | 112.0 | 1.3 | 17 | 0.34 | 5.3 |
| J597553 | | 1.56 | 0.010 | 0.09 | 6.19 | 102.0 | 800 | 2.04 | 0.09 | 0.61 | 0.04 | 99.0 | 5.9 | 13 | 0.34 | 23.2 |
| J597554 | | 0.04 | 3.58 | 0.15 | 1.56 | 1.2 | 110 | 0.39 | 0.16 | 0.01 | 0.15 | 16.65 | 1.3 | 12 | 0.59 | 7.4 |
| J597555 | | 1.41 | 0.008 | 0.08 | 5.81 | 14.1 | 850 | 1.68 | 0.07 | 0.46 | <0.02 | 123.5 | 1.4 | 14 | 0.26 | 14.4 |
| J597556 | | 1.61 | <0.005 | 0.02 | 5.99 | 6.9 | 880 | 1.66 | 0.06 | 0.46 | 0.02 | 120.5 | 1.3 | 13 | 0.34 | 6.4 |
| J597557 | | 1.66 | 0.016 | 0.02 | 6.21 | 8.6 | 810 | 1.78 | 0.06 | 0.57 | 0.03 | 115.0 | 1.6 | 14 | 0.28 | 9.9 |
| J597558 | | 1.68 | 0.005 | 0.04 | 5.76 | 22.1 | 830 | 1.66 | 0.06 | 0.54 | 0.03 | 126.0 | 1.4 | 15 | 0.55 | 19.6 |
| J597559 | | 1.56 | 0.005 | 0.14 | 5.97 | 51.8 | 790 | 1.87 | 0.11 | 0.55 | 0.02 | 117.0 | 1.9 | 16 | 0.63 | 10.0 |
| J597560 | | 1.58 | <0.005 | 0.13 | 5.70 | 11.6 | 790 | 1.62 | 0.08 | 0.49 | <0.02 | 113.5 | 1.6 | 16 | 0.31 | 7.2 |
| J597561 | | 1.67 | <0.005 | 0.03 | 6.04 | 1.3 | 880 | 1.51 | 0.06 | 0.45 | <0.02 | 110.5 | 1.1 | 19 | 0.31 | 4.0 |
| J597562 | | 1.75 | <0.005 | 0.07 | 5.67 | 15.0 | 840 | 1.82 | 0.06 | 0.43 | 0.11 | 118.5 | 2.6 | 12 | 0.27 | 25.6 |
| J597563 | | 1.65 | <0.005 | <0.01 | 6.10 | 0.6 | 860 | 2.13 | 0.05 | 0.51 | <0.02 | 115.0 | 0.8 | 13 | 0.33 | 3.4 |
| J597564 | | 1.66 | <0.005 | 0.04 | 6.14 | 0.8 | 890 | 1.96 | 0.05 | 0.46 | <0.02 | 122.0 | 0.8 | 16 | 0.35 | 5.8 |
| J597565 | | 1.65 | <0.005 | 0.02 | 6.15 | 0.7 | 920 | 2.20 | 0.05 | 0.41 | <0.02 | 117.0 | 0.7 | 13 | 0.44 | 2.6 |
| J597566 | | 1.71 | <0.005 | 0.05 | 6.27 | 2.6 | 850 | 2.38 | 0.12 | 0.48 | <0.02 | 121.0 | 1.6 | 14 | 0.37 | 4.1 |
| J597567 | | 1.72 | <0.005 | <0.01 | 6.34 | 1.4 | 910 | 2.21 | 0.06 | 0.43 | <0.02 | 114.5 | 0.8 | 15 | 0.38 | 2.7 |
| J597568 | | 1.94 | <0.005 | 0.03 | 6.21 | 2.9 | 860 | 2.00 | 0.11 | 0.45 | <0.02 | 99.0 | 1.1 | 17 | 0.44 | 3.9 |
| J597569 | | 1.93 | <0.005 | <0.01 | 6.21 | 2.2 | 870 | 1.82 | 0.14 | 0.41 | <0.02 | 112.0 | 0.9 | 14 | 0.37 | 3.7 |
| J597570 | | 1.81 | 0.005 | 0.05 | 6.59 | 10.9 | 890 | 1.97 | 0.09 | 0.55 | 0.02 | 132.5 | 2.6 | 19 | 0.35 | 18.4 |
| J597571 | | 1.83 | <0.005 | 0.05 | 6.07 | 10.4 | 860 | 1.77 | 0.11 | 0.50 | 0.02 | 112.0 | 1.8 | 15 | 0.29 | 10.4 |
| J597572 | | 1.85 | <0.005 | 0.03 | 6.15 | 1.3 | 890 | 1.86 | 0.05 | 0.45 | <0.02 | 119.5 | 1.3 | 14 | 0.26 | 3.9 |
| J597573 | | 1.79 | <0.005 | 0.02 | 6.00 | 1.4 | 1010 | 1.85 | 0.08 | 0.48 | <0.02 | 120.5 | 1.5 | 16 | 0.25 | 4.1 |
| J597574 | | 1.80 | <0.005 | 0.03 | 6.11 | 1.8 | 940 | 1.81 | 0.11 | 0.53 | 0.02 | 124.0 | 1.3 | 17 | 0.31 | 3.4 |
| J597575 | | 1.57 | 0.020 | 0.11 | 6.06 | 12.2 | 1060 | 1.97 | 0.11 | 0.49 | 0.16 | 126.5 | 2.0 | 18 | 0.28 | 14.8 |
| J597576 | | 1.74 | <0.005 | 0.05 | 5.92 | 6.2 | 1020 | 1.57 | 0.04 | 0.48 | 0.10 | 120.5 | 1.5 | 18 | 0.30 | 6.2 |
| J597577 | | 1.70 | <0.005 | 0.07 | 6.05 | 1.0 | 1020 | 1.70 | 0.04 | 0.47 | 0.02 | 133.0 | 1.7 | 20 | 0.43 | 3.6 |
| J597578 | | 1.92 | <0.005 | 0.03 | 5.75 | 2.3 | 900 | 1.78 | 0.04 | 0.47 | <0.02 | 119.5 | 1.2 | 15 | 0.54 | 3.2 |
| J597579 | | 0.03 | 8.53 | 0.54 | 7.45 | 1.7 | 170 | 2.22 | 0.10 | 1.01 | 0.52 | 19.75 | 10.6 | 36 | 1.73 | 20.0 |
| J597580 | | 1.77 | <0.005 | 0.04 | 5.50 | 2.2 | 860 | 1.74 | 0.03 | 0.48 | <0.02 | 108.5 | 1.4 | 13 | 0.71 | 1.8 |
| J597581 | | 1.81 | <0.005 | 0.07 | 6.18 | 2.5 | 970 | 1.57 | 0.04 | 0.50 | <0.02 | 119.0 | 1.5 | 18 | 0.35 | 5.4 |
| J597582 | | 1.75 | <0.005 | 0.04 | 6.15 | 1.7 | 1010 | 1.92 | 0.04 | 0.51 | <0.02 | 130.5 | 1.6 | 13 | 0.29 | 4.9 |
| J597583 | | 1.69 | <0.005 | 0.04 | 6.00 | 1.2 | 910 | 1.58 | 0.04 | 0.46 | <0.02 | 120.0 | 1.4 | 17 | 0.22 | 4.1 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Fe % 0.01 | ME-MS61 Ga ppm 0.05 | ME-MS61 Ge ppm 0.05 | ME-MS61 Hf ppm 0.1 | ME-MS61 In ppm 0.005 | ME-MS61 K % 0.01 | ME-MS61 La ppm 0.5 | ME-MS61 Li ppm 0.2 | ME-MS61 Mg % 0.01 | ME-MS61 Mn ppm 5 | ME-MS61 Mo ppm 0.05 | ME-MS61 Na % 0.01 | ME-MS61 Nb ppm 0.1 | ME-MS61 Ni ppm 0.2 | ME-MS61 P ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597544 | | 0.70 | 14.65 | 0.22 | 7.4 | 0.025 | 4.71 | 69.1 | 2.7 | 0.03 | 98 | 1.72 | 1.74 | 14.6 | 0.9 | 40 |
| J597545 | | 1.09 | 19.30 | 0.17 | 7.4 | 0.033 | 3.69 | 63.8 | 4.5 | 0.04 | 166 | 1.95 | 2.16 | 16.5 | 0.8 | 20 |
| J597546 | | 1.45 | 19.15 | 0.20 | 7.1 | 0.041 | 3.16 | 74.1 | 5.5 | 0.06 | 153 | 2.83 | 2.32 | 16.8 | 0.8 | 30 |
| J597547 | | 1.21 | 17.25 | 0.15 | 6.6 | 0.062 | 2.76 | 56.4 | 8.4 | 0.06 | 170 | 2.43 | 1.19 | 16.2 | 1.6 | 10 |
| J597548 | | 1.19 | 18.15 | 0.18 | 6.9 | 0.041 | 3.14 | 58.4 | 3.3 | 0.03 | 165 | 1.86 | 2.57 | 17.4 | 0.8 | 10 |
| J597549 | | 1.25 | 18.50 | 0.17 | 7.0 | 0.035 | 3.21 | 55.4 | 3.2 | 0.03 | 178 | 1.50 | 2.88 | 17.1 | 0.9 | 10 |
| J597550 | | 1.32 | 18.30 | 0.17 | 7.5 | 0.037 | 2.91 | 58.1 | 3.4 | 0.02 | 214 | 1.33 | 2.98 | 17.8 | 0.7 | 10 |
| J597551 | | 1.32 | 18.75 | 0.17 | 6.9 | 0.043 | 3.34 | 59.4 | 3.2 | 0.03 | 178 | 1.03 | 2.94 | 17.0 | 0.9 | 10 |
| J597552 | | 1.17 | 18.35 | 0.18 | 6.9 | 0.029 | 2.60 | 54.3 | 3.1 | 0.03 | 161 | 1.04 | 3.09 | 16.0 | 1.1 | 10 |
| J597553 | | 1.79 | 17.55 | 0.17 | 6.4 | 0.041 | 2.24 | 47.7 | 5.1 | 0.03 | 188 | 1.79 | 2.97 | 16.2 | 1.3 | 20 |
| J597554 | | 1.34 | 4.01 | <0.05 | 0.6 | 0.011 | 0.16 | 9.0 | 20.3 | 0.02 | 109 | 0.79 | 0.02 | 3.9 | 6.2 | 50 |
| J597555 | | 1.35 | 17.85 | 0.19 | 6.3 | 0.038 | 2.79 | 60.9 | 3.6 | 0.03 | 158 | 1.43 | 2.79 | 17.3 | 1.1 | 20 |
| J597556 | | 1.31 | 18.30 | 0.19 | 7.2 | 0.037 | 3.18 | 59.9 | 3.4 | 0.03 | 166 | 1.34 | 2.77 | 17.4 | 0.8 | 10 |
| J597557 | | 1.26 | 18.60 | 0.16 | 7.2 | 0.044 | 2.82 | 57.0 | 3.2 | 0.03 | 181 | 1.33 | 2.97 | 18.8 | 0.9 | 10 |
| J597558 | | 1.22 | 16.85 | 0.18 | 6.8 | 0.040 | 2.70 | 61.8 | 5.0 | 0.03 | 144 | 1.13 | 2.70 | 15.6 | 1.0 | 10 |
| J597559 | | 1.29 | 17.95 | 0.17 | 6.8 | 0.037 | 2.94 | 57.6 | 4.3 | 0.02 | 160 | 1.63 | 2.78 | 19.1 | 1.1 | 10 |
| J597560 | | 1.14 | 18.50 | 0.15 | 7.3 | 0.044 | 3.07 | 55.9 | 3.1 | 0.02 | 164 | 1.20 | 2.53 | 17.7 | 1.0 | 10 |
| J597561 | | 1.29 | 17.90 | 0.16 | 7.1 | 0.032 | 3.47 | 54.9 | 3.0 | 0.02 | 149 | 1.24 | 2.65 | 17.1 | 0.9 | 10 |
| J597562 | | 1.30 | 18.30 | 0.18 | 7.5 | 0.043 | 2.87 | 58.0 | 3.5 | 0.02 | 172 | 1.58 | 2.68 | 18.6 | 1.0 | 10 |
| J597563 | | 1.32 | 17.90 | 0.18 | 6.8 | 0.036 | 3.35 | 56.4 | 2.3 | 0.02 | 150 | 1.75 | 2.80 | 15.6 | 0.7 | 10 |
| J597564 | | 1.32 | 18.10 | 0.18 | 6.9 | 0.046 | 3.50 | 60.7 | 2.2 | 0.02 | 159 | 1.71 | 2.78 | 16.8 | 1.4 | 10 |
| J597565 | | 1.28 | 18.00 | 0.18 | 7.0 | 0.049 | 3.47 | 57.1 | 2.6 | 0.04 | 122 | 1.21 | 2.82 | 17.5 | 0.7 | 10 |
| J597566 | | 1.52 | 18.10 | 0.19 | 7.3 | 0.032 | 3.56 | 61.0 | 4.1 | 0.06 | 155 | 1.18 | 2.75 | 17.1 | 0.9 | 10 |
| J597567 | | 1.31 | 17.50 | 0.17 | 7.2 | 0.038 | 3.57 | 56.9 | 2.7 | 0.04 | 129 | 1.04 | 2.81 | 17.0 | 0.7 | 10 |
| J597568 | | 1.42 | 17.75 | 0.15 | 7.3 | 0.036 | 3.26 | 48.9 | 3.5 | 0.04 | 142 | 1.42 | 2.82 | 17.2 | 1.0 | 10 |
| J597569 | | 1.31 | 17.85 | 0.18 | 7.3 | 0.036 | 3.44 | 55.5 | 2.9 | 0.03 | 138 | 1.09 | 2.79 | 18.4 | 0.6 | 10 |
| J597570 | | 1.63 | 18.50 | 0.21 | 7.6 | 0.038 | 2.98 | 66.1 | 3.8 | 0.03 | 195 | 1.14 | 3.23 | 19.1 | 0.8 | 20 |
| J597571 | | 1.51 | 17.65 | 0.18 | 6.7 | 0.044 | 2.87 | 55.0 | 3.2 | 0.03 | 187 | 0.96 | 2.84 | 17.6 | 0.7 | 20 |
| J597572 | | 1.25 | 17.05 | 0.18 | 6.9 | 0.039 | 3.40 | 59.8 | 2.2 | 0.02 | 155 | 1.11 | 2.76 | 17.8 | 1.0 | 10 |
| J597573 | | 1.26 | 16.40 | 0.17 | 6.6 | 0.041 | 3.39 | 60.4 | 2.1 | 0.02 | 162 | 1.27 | 2.72 | 16.5 | 0.7 | 10 |
| J597574 | | 1.49 | 16.75 | 0.19 | 7.0 | 0.048 | 3.43 | 60.9 | 2.3 | 0.03 | 188 | 1.10 | 2.70 | 17.3 | 0.9 | 10 |
| J597575 | | 1.35 | 17.25 | 0.20 | 6.7 | 0.046 | 3.21 | 63.1 | 2.9 | 0.02 | 179 | 2.06 | 2.73 | 18.0 | 1.0 | 20 |
| J597576 | | 1.18 | 16.45 | 0.17 | 6.4 | 0.031 | 3.26 | 60.2 | 2.8 | 0.02 | 163 | 1.24 | 2.64 | 16.3 | 1.1 | 10 |
| J597577 | | 1.31 | 16.80 | 0.19 | 6.9 | 0.032 | 3.44 | 67.0 | 3.2 | 0.02 | 149 | 0.94 | 2.65 | 17.0 | 0.7 | 10 |
| J597578 | | 1.24 | 16.15 | 0.18 | 6.9 | 0.037 | 3.16 | 59.2 | 4.0 | 0.02 | 125 | 0.97 | 2.65 | 16.6 | 0.8 | 10 |
| J597579 | | 4.19 | 19.20 | 0.18 | 1.4 | 0.016 | 2.36 | 9.8 | 2.1 | 0.90 | 256 | 2.20 | 4.82 | 10.8 | 40.4 | 630 |
| J597580 | | 1.18 | 17.55 | 0.19 | 7.1 | 0.048 | 3.18 | 54.1 | 3.1 | 0.02 | 132 | 0.87 | 2.55 | 16.5 | 0.8 | 10 |
| J597581 | | 1.36 | 17.60 | 0.19 | 7.0 | 0.036 | 3.28 | 58.2 | 2.8 | 0.02 | 163 | 1.01 | 2.80 | 16.2 | 1.3 | 10 |
| J597582 | | 1.39 | 18.50 | 0.22 | 7.2 | 0.043 | 3.50 | 63.8 | 2.7 | 0.02 | 183 | 1.59 | 2.71 | 16.1 | 0.7 | 10 |
| J597583 | | 1.21 | 16.70 | 0.20 | 7.1 | 0.040 | 3.51 | 58.3 | 2.1 | 0.02 | 193 | 0.90 | 2.74 | 14.7 | 1.0 | 10 |

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

ALS Canada Ltd.
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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Pb ppm 0.5 | ME-MS61 Rb ppm 0.1 | ME-MS61 Re ppm 0.002 | ME-MS61 S % 0.01 | ME-MS61 Sb ppm 0.05 | ME-MS61 Sc ppm 0.1 | ME-MS61 Se ppm 1 | ME-MS61 Sn ppm 0.2 | ME-MS61 Sr ppm 0.2 | ME-MS61 Ta ppm 0.05 | ME-MS61 Te ppm 0.05 | ME-MS61 Th ppm 0.2 | ME-MS61 Ti % 0.005 | ME-MS61 Tl ppm 0.02 | ME-MS61 U ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597544 | | 14.3 | 122.5 | <0.002 | 0.06 | 1.14 | 3.7 | 1 | 0.9 | 64.0 | 1.45 | <0.05 | 21.4 | 0.039 | 0.52 | 3.0 |
| J597545 | | 7.8 | 102.5 | <0.002 | 0.10 | 1.27 | 6.4 | 2 | 1.9 | 68.2 | 1.26 | <0.05 | 18.5 | 0.046 | 0.40 | 4.1 |
| J597546 | | 16.8 | 93.4 | <0.002 | 0.23 | 2.36 | 5.8 | 2 | 1.5 | 70.4 | 1.30 | <0.05 | 17.4 | 0.044 | 0.34 | 3.7 |
| J597547 | | 24.9 | 95.0 | <0.002 | 0.34 | 1.30 | 5.7 | 1 | 2.1 | 40.4 | 1.28 | <0.05 | 17.1 | 0.052 | 0.31 | 4.1 |
| J597548 | | 5.5 | 89.1 | <0.002 | 0.04 | 1.28 | 5.6 | 1 | 1.5 | 55.2 | 1.34 | <0.05 | 17.3 | 0.047 | 0.33 | 4.5 |
| J597549 | | 5.5 | 87.9 | <0.002 | 0.02 | 1.22 | 6.1 | 1 | 1.5 | 67.4 | 1.38 | <0.05 | 17.2 | 0.052 | 0.30 | 4.2 |
| J597550 | | 6.2 | 77.3 | <0.002 | 0.04 | 1.27 | 5.6 | 1 | 1.4 | 82.6 | 1.45 | <0.05 | 18.2 | 0.050 | 0.28 | 4.8 |
| J597551 | | 4.8 | 89.7 | <0.002 | 0.04 | 1.33 | 5.7 | 1 | 1.7 | 72.1 | 1.27 | <0.05 | 17.4 | 0.052 | 0.29 | 4.6 |
| J597552 | | 4.9 | 68.4 | <0.002 | 0.03 | 1.08 | 5.7 | 1 | 1.4 | 69.9 | 1.28 | <0.05 | 17.1 | 0.053 | 0.25 | 4.3 |
| J597553 | | 14.5 | 58.5 | <0.002 | 0.44 | 1.44 | 6.3 | 1 | 1.6 | 87.6 | 1.27 | <0.05 | 16.0 | 0.048 | 0.19 | 3.7 |
| J597554 | | 30.9 | 12.5 | <0.002 | 1.03 | 0.58 | 1.5 | 1 | 1.5 | 13.9 | 0.32 | <0.05 | 3.6 | 0.091 | 0.42 | 0.5 |
| J597555 | | 6.9 | 65.9 | <0.002 | 0.11 | 0.92 | 6.1 | 1 | 1.5 | 90.0 | 1.22 | <0.05 | 16.7 | 0.052 | 0.21 | 4.0 |
| J597556 | | 4.7 | 78.4 | <0.002 | 0.06 | 1.03 | 5.7 | 1 | 1.8 | 77.0 | 1.32 | <0.05 | 17.5 | 0.050 | 0.27 | 4.5 |
| J597557 | | 6.5 | 69.0 | <0.002 | 0.07 | 1.03 | 5.9 | 2 | 2.2 | 83.4 | 1.44 | <0.05 | 17.3 | 0.052 | 0.20 | 4.4 |
| J597558 | | 6.7 | 61.3 | <0.002 | 0.10 | 1.05 | 5.3 | 1 | 2.0 | 82.6 | 1.15 | <0.05 | 16.9 | 0.049 | 0.21 | 4.3 |
| J597559 | | 8.2 | 74.9 | <0.002 | 0.11 | 1.16 | 5.0 | 1 | 1.8 | 73.6 | 1.59 | <0.05 | 18.0 | 0.050 | 0.26 | 4.6 |
| J597560 | | 5.2 | 81.2 | <0.002 | 0.05 | 1.20 | 5.5 | 1 | 2.5 | 56.4 | 1.37 | <0.05 | 17.4 | 0.045 | 0.24 | 4.5 |
| J597561 | | 4.7 | 84.6 | <0.002 | 0.02 | 1.18 | 5.3 | 1 | 1.5 | 64.8 | 1.34 | <0.05 | 16.6 | 0.045 | 0.24 | 4.0 |
| J597562 | | 12.5 | 72.2 | <0.002 | 0.13 | 1.33 | 5.7 | 1 | 1.8 | 79.2 | 1.44 | <0.05 | 17.4 | 0.049 | 0.21 | 4.5 |
| J597563 | | 3.4 | 98.6 | <0.002 | 0.01 | 1.12 | 5.2 | 1 | 2.5 | 47.3 | 1.15 | <0.05 | 16.7 | 0.045 | 0.29 | 4.0 |
| J597564 | | 4.0 | 117.0 | <0.002 | 0.02 | 1.07 | 5.5 | 1 | 2.1 | 35.2 | 1.25 | <0.05 | 17.3 | 0.046 | 0.35 | 4.2 |
| J597565 | | 3.2 | 122.5 | <0.002 | 0.01 | 1.01 | 5.8 | 1 | 2.5 | 31.4 | 1.34 | <0.05 | 16.8 | 0.054 | 0.42 | 4.2 |
| J597566 | | 3.1 | 131.0 | <0.002 | 0.03 | 0.92 | 5.1 | 2 | 1.9 | 24.3 | 1.31 | 0.05 | 17.4 | 0.052 | 0.47 | 4.6 |
| J597567 | | 3.2 | 123.5 | <0.002 | 0.01 | 0.98 | 5.5 | 1 | 2.1 | 36.8 | 1.30 | <0.05 | 17.5 | 0.054 | 0.38 | 4.0 |
| J597568 | | 3.7 | 90.8 | <0.002 | 0.03 | 0.99 | 5.5 | 1 | 1.7 | 72.4 | 1.38 | <0.05 | 16.5 | 0.053 | 0.29 | 4.5 |
| J597569 | | 3.7 | 94.9 | <0.002 | 0.02 | 1.08 | 5.4 | 2 | 1.2 | 61.1 | 1.42 | <0.05 | 17.9 | 0.055 | 0.30 | 4.7 |
| J597570 | | 6.6 | 78.0 | <0.002 | 0.10 | 1.17 | 5.7 | 2 | 1.3 | 101.0 | 1.51 | <0.05 | 17.8 | 0.059 | 0.22 | 4.5 |
| J597571 | | 8.7 | 73.6 | <0.002 | 0.09 | 1.09 | 5.4 | 2 | 1.3 | 65.9 | 1.35 | <0.05 | 16.7 | 0.054 | 0.20 | 4.1 |
| J597572 | | 3.6 | 94.4 | <0.002 | 0.01 | 1.04 | 5.3 | 1 | 1.1 | 52.8 | 1.34 | <0.05 | 16.5 | 0.051 | 0.27 | 4.4 |
| J597573 | | 3.7 | 87.5 | <0.002 | 0.02 | 1.04 | 5.1 | 1 | 1.6 | 40.4 | 1.28 | <0.05 | 16.6 | 0.054 | 0.28 | 3.9 |
| J597574 | | 4.3 | 85.2 | <0.002 | 0.01 | 0.97 | 5.2 | 2 | 1.8 | 50.7 | 1.39 | <0.05 | 16.8 | 0.053 | 0.26 | 4.3 |
| J597575 | | 37.3 | 82.1 | <0.002 | 0.10 | 1.11 | 5.5 | 2 | 1.6 | 53.9 | 1.34 | <0.05 | 16.9 | 0.054 | 0.26 | 4.5 |
| J597576 | | 19.8 | 84.1 | <0.002 | 0.05 | 0.97 | 5.3 | 1 | 1.5 | 47.6 | 1.24 | <0.05 | 15.9 | 0.051 | 0.27 | 4.1 |
| J597577 | | 4.3 | 93.2 | <0.002 | 0.01 | 1.04 | 5.4 | 1 | 1.5 | 52.2 | 1.30 | <0.05 | 17.1 | 0.050 | 0.29 | 4.6 |
| J597578 | | 3.9 | 78.8 | <0.002 | 0.01 | 1.03 | 5.1 | 1 | 1.5 | 56.0 | 1.26 | <0.05 | 16.0 | 0.047 | 0.24 | 4.1 |
| J597579 | | 87.5 | 209 | <0.002 | 3.11 | 1.23 | 3.6 | 1 | 1.1 | 168.5 | 0.82 | <0.05 | 2.6 | 0.259 | 1.90 | 0.9 |
| J597580 | | 3.8 | 92.8 | <0.002 | 0.01 | 1.14 | 5.5 | 1 | 2.0 | 45.1 | 1.22 | <0.05 | 16.2 | 0.043 | 0.28 | 4.2 |
| J597581 | | 4.8 | 84.4 | <0.002 | 0.01 | 0.95 | 5.3 | 1 | 1.4 | 60.9 | 1.38 | <0.05 | 16.8 | 0.053 | 0.24 | 4.2 |
| J597582 | | 4.2 | 105.5 | <0.002 | 0.02 | 1.03 | 5.5 | 1 | 1.9 | 41.7 | 1.35 | <0.05 | 17.1 | 0.051 | 0.29 | 4.1 |
| J597583 | | 3.9 | 102.5 | <0.002 | 0.01 | 1.01 | 5.0 | 1 | 1.1 | 41.9 | 1.28 | <0.05 | 16.3 | 0.048 | 0.28 | 3.9 |

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 V ppm 1 | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 |
|---|---|---|---|---|---|---|
| J597544 | | 1 | 1.4 | 22.1 | 29 | 209 |
| J597545 | | <1 | 1.7 | 21.4 | 12 | 237 |
| J597546 | | 1 | 1.8 | 20.6 | 31 | 241 |
| J597547 | | <1 | 2.8 | 20.6 | 41 | 209 |
| J597548 | | 1 | 1.5 | 18.0 | 10 | 223 |
| J597549 | | 1 | 1.4 | 18.0 | 11 | 227 |
| J597550 | | <1 | 1.3 | 21.4 | 16 | 242 |
| J597551 | | <1 | 1.5 | 18.6 | 10 | 226 |
| J597552 | | <1 | 1.5 | 20.0 | 9 | 220 |
| J597553 | | <1 | 1.4 | 18.6 | 17 | 206 |
| J597554 | | 8 | 1.0 | 2.7 | 15 | 22.5 |
| J597555 | | <1 | 1.4 | 20.1 | 10 | 209 |
| J597556 | | 1 | 1.5 | 21.8 | 10 | 234 |
| J597557 | | <1 | 1.7 | 26.3 | 13 | 236 |
| J597558 | | <1 | 1.7 | 21.6 | 12 | 217 |
| J597559 | | <1 | 1.4 | 22.6 | 15 | 214 |
| J597560 | | <1 | 1.4 | 18.7 | 11 | 224 |
| J597561 | | <1 | 1.3 | 17.4 | 10 | 223 |
| J597562 | | <1 | 1.7 | 20.4 | 27 | 232 |
| J597563 | | <1 | 1.5 | 15.9 | 9 | 222 |
| J597564 | | <1 | 1.3 | 18.4 | 14 | 226 |
| J597565 | | 1 | 1.6 | 19.6 | 12 | 228 |
| J597566 | | <1 | 1.9 | 21.9 | 22 | 231 |
| J597567 | | <1 | 1.7 | 19.9 | 13 | 232 |
| J597568 | | <1 | 1.6 | 19.0 | 18 | 229 |
| J597569 | | <1 | 1.3 | 20.2 | 15 | 230 |
| J597570 | | <1 | 1.4 | 25.4 | 22 | 238 |
| J597571 | | <1 | 1.2 | 21.8 | 23 | 214 |
| J597572 | | <1 | 1.1 | 19.6 | 15 | 223 |
| J597573 | | <1 | 1.0 | 16.7 | 15 | 205 |
| J597574 | | <1 | 1.0 | 21.4 | 19 | 214 |
| J597575 | | <1 | 0.9 | 22.6 | 36 | 221 |
| J597576 | | <1 | 1.0 | 16.3 | 24 | 202 |
| J597577 | | <1 | 0.9 | 16.2 | 11 | 228 |
| J597578 | | <1 | 1.2 | 15.5 | 12 | 215 |
| J597579 | | 33 | 0.3 | 5.7 | 43 | 56.2 |
| J597580 | | <1 | 1.1 | 14.7 | 10 | 226 |
| J597581 | | <1 | 0.8 | 18.1 | 15 | 215 |
| J597582 | | <1 | 0.7 | 16.3 | 14 | 222 |
| J597583 | | <1 | 0.7 | 14.3 | 13 | 220 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-AA23 Au g/t 0.005 | ME-MS61 Ag ppm 0.01 | ME-MS61 Al % 0.01 | ME-MS61 As ppm 0.2 | ME-MS61 Ba ppm 10 | ME-MS61 Be ppm 0.05 | ME-MS61 Bi ppm 0.01 | ME-MS61 Ca % 0.01 | ME-MS61 Cd ppm 0.02 | ME-MS61 Ce ppm 0.01 | ME-MS61 Co ppm 0.1 | ME-MS61 Cr ppm 1 | ME-MS61 Cs ppm 0.05 | ME-MS61 Cu ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597584 | | 1.58 | <0.005 | 0.01 | 6.02 | 0.5 | 900 | 1.73 | 0.04 | 0.49 | <0.02 | 121.5 | 1.4 | 16 | 0.23 | 2.6 |
| J597585 | | 1.65 | <0.005 | 0.03 | 6.10 | 1.4 | 1000 | 1.62 | 0.03 | 0.47 | <0.02 | 118.5 | 1.4 | 16 | 0.23 | 3.4 |
| J597586 | | 1.62 | <0.005 | 0.04 | 6.19 | <0.2 | 990 | 1.93 | 0.05 | 0.51 | <0.02 | 126.5 | 1.5 | 17 | 0.24 | 2.9 |
| J597587 | | 1.66 | <0.005 | 0.04 | 6.05 | 0.5 | 1000 | 1.51 | 0.04 | 0.46 | <0.02 | 118.5 | 1.6 | 15 | 0.23 | 3.0 |
| J597588 | | 1.84 | <0.005 | 0.04 | 5.86 | 1.1 | 960 | 1.56 | 0.04 | 0.46 | <0.02 | 116.5 | 1.7 | 15 | 0.24 | 5.2 |
| J597589 | | 2.09 | <0.005 | 0.03 | 6.39 | 1.8 | 980 | 2.07 | 0.08 | 0.49 | <0.02 | 133.0 | 3.3 | 17 | 0.42 | 2.5 |
| J597590 | | 1.72 | <0.005 | 0.03 | 6.35 | 1.0 | 1050 | 1.76 | 0.08 | 0.46 | <0.02 | 134.0 | 3.2 | 14 | 0.28 | 1.9 |
| J597591 | | 1.83 | <0.005 | 0.05 | 5.95 | 4.1 | 940 | 1.74 | 0.07 | 0.50 | <0.02 | 127.5 | 2.5 | 16 | 0.24 | 3.2 |
| J597592 | | 1.78 | <0.005 | 0.03 | 5.84 | 1.5 | 960 | 1.72 | 0.04 | 0.49 | <0.02 | 119.5 | 1.5 | 16 | 0.21 | 3.8 |
| J597593 | | 1.63 | <0.005 | 0.03 | 5.98 | 3.9 | 990 | 1.92 | 0.06 | 0.41 | <0.02 | 118.5 | 1.9 | 16 | 0.24 | 5.9 |
| J597594 | | 1.84 | <0.005 | 0.02 | 5.94 | 8.0 | 970 | 2.12 | 0.06 | 0.50 | <0.02 | 123.5 | 2.1 | 19 | 0.24 | 11.9 |
| J597595 | | 1.87 | <0.005 | 0.02 | 5.83 | 0.8 | 990 | 1.94 | 0.05 | 0.49 | <0.02 | 124.5 | 1.6 | 16 | 0.26 | 4.9 |
| J597596 | | 1.78 | <0.005 | 0.03 | 5.99 | 1.2 | 980 | 2.15 | 0.06 | 0.54 | <0.02 | 127.5 | 1.7 | 14 | 0.21 | 4.0 |
| J597597 | | 1.78 | <0.005 | 0.04 | 5.83 | 2.5 | 960 | 1.72 | 0.05 | 0.51 | 0.02 | 120.0 | 1.8 | 15 | 0.23 | 4.4 |
| J597598 | | 1.71 | <0.005 | 0.03 | 6.04 | 3.7 | 1070 | 2.16 | 0.08 | 0.59 | 0.02 | 129.5 | 2.2 | 15 | 0.24 | 2.6 |
| J597599 | | 2.32 | <0.005 | 0.02 | 5.70 | 1.2 | 930 | 1.89 | 0.05 | 0.50 | <0.02 | 119.5 | 1.6 | 13 | 0.22 | 2.9 |
| J597600 | | 1.18 | <0.005 | 0.04 | 6.05 | 2.4 | 1070 | 2.27 | 0.09 | 0.59 | 0.02 | 126.5 | 1.6 | 14 | 0.22 | 3.6 |
| J597601 | | 1.72 | 0.005 | 0.07 | 5.99 | 6.6 | 1000 | 2.80 | 0.07 | 0.58 | 0.02 | 132.0 | 2.3 | 15 | 0.25 | 17.6 |
| J597602 | | 1.77 | 0.018 | 0.08 | 6.03 | 332 | 910 | 2.04 | 0.13 | 0.63 | 0.33 | 120.5 | 2.8 | 15 | 0.25 | 53.5 |
| J597603 | | 1.75 | <0.005 | 0.05 | 5.75 | 11.0 | 1010 | 2.19 | 0.13 | 0.59 | 0.03 | 118.5 | 1.7 | 19 | 0.21 | 6.1 |
| J597604 | | 1.70 | <0.005 | 0.05 | 5.88 | 5.3 | 1130 | 2.67 | 0.10 | 0.59 | 0.02 | 125.0 | 1.9 | 24 | 0.21 | 3.9 |
| J597605 | | 1.65 | <0.005 | 0.05 | 6.13 | 23.3 | 1110 | 2.22 | 0.10 | 0.67 | 0.09 | 125.0 | 1.8 | 16 | 0.26 | 14.8 |
| J597606 | | 1.65 | 0.007 | 0.10 | 6.12 | 474 | 1010 | 1.76 | 0.16 | 0.66 | 0.12 | 121.0 | 1.9 | 15 | 0.26 | 46.4 |
| J597607 | | 1.67 | <0.005 | 0.07 | 6.35 | 24.9 | 830 | 2.91 | 0.10 | 0.80 | 0.05 | 131.0 | 2.9 | 14 | 0.30 | 15.8 |
| J597608 | | 1.61 | <0.005 | 0.07 | 6.04 | 23.2 | 980 | 2.07 | 0.12 | 0.57 | 0.07 | 129.0 | 2.5 | 17 | 0.25 | 9.5 |
| J597609 | | 1.59 | 0.007 | 0.08 | 6.04 | 16.5 | 950 | 2.06 | 0.07 | 0.65 | 0.04 | 129.0 | 2.4 | 12 | 0.36 | 12.2 |
| J597610 | | 1.67 | <0.005 | 0.08 | 5.88 | 9.9 | 1070 | 1.88 | 0.09 | 0.49 | 0.07 | 133.5 | 1.6 | 19 | 0.24 | 3.3 |
| J597611 | | 1.48 | <0.005 | 0.05 | 5.70 | 4.7 | 990 | 1.95 | 0.07 | 0.54 | 0.05 | 133.5 | 1.8 | 16 | 0.22 | 3.6 |
| J597612 | | 1.58 | 0.009 | 0.15 | 6.12 | 5.1 | 1080 | 2.01 | 0.05 | 0.64 | 0.06 | 133.5 | 2.5 | 14 | 0.33 | 12.1 |
| J597613 | | 1.77 | <0.005 | 0.06 | 6.03 | 5.8 | 1040 | 1.75 | 0.05 | 0.69 | 0.06 | 127.0 | 2.7 | 14 | 0.37 | 3.9 |
| J597614 | | 1.94 | <0.005 | 0.06 | 6.35 | 6.9 | 860 | 2.27 | 0.06 | 0.69 | 0.05 | 134.0 | 2.7 | 18 | 0.38 | 2.5 |
| J597615 | | 1.85 | <0.005 | 0.04 | 6.19 | 4.5 | 1010 | 1.90 | 0.06 | 0.54 | 0.03 | 142.0 | 2.3 | 20 | 0.27 | 2.3 |
| J597616 | | 1.79 | <0.005 | 0.05 | 6.03 | 8.0 | 970 | 1.56 | 0.07 | 0.54 | 0.02 | 131.0 | 3.5 | 17 | 0.26 | 1.9 |
| J597617 | | 1.73 | <0.005 | 0.08 | 6.36 | 5.0 | 1040 | 1.71 | 0.05 | 0.57 | 0.03 | 126.0 | 2.7 | 18 | 0.34 | 2.7 |
| J597618 | | 1.91 | <0.005 | 0.03 | 6.38 | 4.6 | 1040 | 1.57 | 0.04 | 0.58 | 0.04 | 119.5 | 2.6 | 18 | 0.30 | 2.0 |
| J597619 | | 1.81 | <0.005 | 0.03 | 6.43 | 6.5 | 970 | 2.19 | 0.05 | 0.57 | 0.03 | 127.0 | 1.6 | 20 | 0.56 | 4.4 |
| J597620 | | 1.78 | <0.005 | 0.02 | 6.57 | 10.8 | 1080 | 2.59 | 0.05 | 0.53 | 0.03 | 122.0 | 2.0 | 16 | 0.61 | 2.6 |
| J597621 | | 2.05 | <0.005 | 0.02 | 6.38 | 11.6 | 1020 | 1.87 | 0.05 | 0.47 | 0.02 | 127.0 | 1.3 | 15 | 0.33 | 1.0 |
| J597622 | | 1.89 | <0.005 | 0.01 | 6.21 | 11.9 | 970 | 1.78 | 0.08 | 0.54 | 0.05 | 124.5 | 2.4 | 19 | 0.49 | 5.4 |
| J597623 | | 1.76 | <0.005 | 0.01 | 6.55 | 14.9 | 920 | 1.73 | 0.06 | 0.67 | 0.04 | 118.5 | 2.1 | 15 | 0.49 | 1.5 |

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

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Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Fe % 0.01 | ME-MS61 Ga ppm 0.05 | ME-MS61 Ge ppm 0.05 | ME-MS61 Hf ppm 0.1 | ME-MS61 In ppm 0.005 | ME-MS61 K % 0.01 | ME-MS61 La ppm 0.5 | ME-MS61 Li ppm 0.2 | ME-MS61 Mg % 0.01 | ME-MS61 Mn ppm 5 | ME-MS61 Mo ppm 0.05 | ME-MS61 Na % 0.01 | ME-MS61 Nb ppm 0.1 | ME-MS61 Ni ppm 0.2 | ME-MS61 P ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597584 | | 1.31 | 17.00 | 0.23 | 6.7 | 0.041 | 3.34 | 58.6 | 2.3 | 0.02 | 188 | 0.92 | 2.75 | 15.9 | 0.8 | 10 |
| J597585 | | 1.28 | 17.15 | 0.21 | 6.8 | 0.039 | 3.51 | 58.0 | 2.0 | 0.03 | 164 | 0.87 | 2.80 | 14.8 | 1.0 | 10 |
| J597586 | | 1.34 | 17.30 | 0.23 | 7.0 | 0.043 | 3.48 | 62.1 | 2.0 | 0.03 | 194 | 1.29 | 2.85 | 15.4 | 0.8 | 10 |
| J597587 | | 1.23 | 16.55 | 0.22 | 6.9 | 0.038 | 3.49 | 58.5 | 1.9 | 0.03 | 173 | 1.05 | 2.74 | 14.6 | 0.9 | 10 |
| J597588 | | 1.39 | 16.95 | 0.22 | 6.6 | 0.034 | 2.91 | 57.1 | 2.1 | 0.03 | 173 | 0.99 | 2.94 | 15.6 | 0.8 | 20 |
| J597589 | | 1.91 | 18.35 | 0.25 | 6.9 | 0.042 | 3.01 | 66.6 | 3.7 | 0.09 | 173 | 1.19 | 3.10 | 15.2 | 1.1 | 20 |
| J597590 | | 1.51 | 18.10 | 0.25 | 6.8 | 0.041 | 3.26 | 64.7 | 3.1 | 0.04 | 163 | 1.33 | 2.98 | 15.7 | 0.8 | 10 |
| J597591 | | 1.28 | 18.10 | 0.23 | 7.0 | 0.050 | 3.09 | 63.1 | 2.4 | 0.03 | 162 | 1.23 | 2.74 | 17.0 | 1.0 | 10 |
| J597592 | | 1.25 | 17.35 | 0.22 | 6.8 | 0.040 | 3.18 | 58.7 | 2.0 | 0.03 | 163 | 1.25 | 2.73 | 16.0 | 0.7 | 20 |
| J597593 | | 1.22 | 16.75 | 0.23 | 6.7 | 0.028 | 3.33 | 57.7 | 2.3 | 0.03 | 139 | 1.32 | 2.68 | 15.0 | 1.0 | 20 |
| J597594 | | 1.38 | 17.70 | 0.24 | 6.6 | 0.033 | 3.19 | 60.3 | 2.2 | 0.03 | 182 | 1.60 | 2.70 | 16.6 | 0.8 | 20 |
| J597595 | | 1.18 | 16.95 | 0.22 | 6.5 | 0.036 | 3.41 | 61.2 | 2.0 | 0.02 | 157 | 1.30 | 2.64 | 14.8 | 0.8 | 20 |
| J597596 | | 1.33 | 17.55 | 0.23 | 7.0 | 0.035 | 3.32 | 63.4 | 2.1 | 0.03 | 172 | 1.05 | 2.73 | 16.3 | 0.6 | 10 |
| J597597 | | 1.22 | 16.75 | 0.21 | 7.1 | 0.031 | 3.41 | 58.7 | 2.0 | 0.02 | 165 | 1.22 | 2.59 | 16.5 | 0.8 | 20 |
| J597598 | | 1.28 | 17.60 | 0.23 | 6.8 | 0.041 | 3.54 | 63.0 | 2.1 | 0.02 | 188 | 1.76 | 2.67 | 17.0 | 0.7 | 20 |
| J597599 | | 1.12 | 16.45 | 0.22 | 6.6 | 0.036 | 3.32 | 57.7 | 2.0 | 0.02 | 162 | 1.11 | 2.65 | 15.6 | 0.8 | 10 |
| J597600 | | 1.33 | 17.65 | 0.22 | 7.1 | 0.038 | 3.39 | 61.4 | 2.2 | 0.03 | 190 | 1.05 | 2.74 | 16.7 | 0.8 | 20 |
| J597601 | | 1.39 | 17.90 | 0.25 | 6.7 | 0.034 | 2.88 | 65.6 | 2.8 | 0.03 | 186 | 1.30 | 2.78 | 15.3 | 1.4 | 20 |
| J597602 | | 1.43 | 17.45 | 0.23 | 7.0 | 0.039 | 2.82 | 59.2 | 3.3 | 0.03 | 182 | 2.13 | 2.76 | 16.5 | 1.2 | 20 |
| J597603 | | 1.10 | 16.30 | 0.22 | 6.5 | 0.032 | 2.87 | 58.2 | 2.1 | 0.02 | 169 | 1.25 | 2.66 | 15.2 | 1.2 | 20 |
| J597604 | | 1.27 | 17.15 | 0.23 | 6.6 | 0.036 | 3.16 | 60.4 | 2.0 | 0.02 | 182 | 0.97 | 2.69 | 15.4 | 1.1 | 20 |
| J597605 | | 1.22 | 16.95 | 0.21 | 7.1 | 0.054 | 2.82 | 61.8 | 2.6 | 0.02 | 200 | 1.08 | 2.78 | 17.6 | 1.2 | 20 |
| J597606 | | 1.42 | 16.55 | 0.22 | 7.2 | 0.058 | 2.98 | 59.5 | 3.0 | 0.03 | 217 | 2.44 | 2.73 | 16.9 | 0.9 | 30 |
| J597607 | | 1.85 | 18.00 | 0.25 | 7.4 | 0.039 | 2.16 | 64.5 | 3.0 | 0.03 | 239 | 0.86 | 3.22 | 17.1 | 1.4 | 30 |
| J597608 | | 1.84 | 17.35 | 0.26 | 6.7 | 0.031 | 2.66 | 64.5 | 2.7 | 0.03 | 198 | 1.21 | 2.92 | 16.3 | 1.3 | 40 |
| J597609 | | 1.62 | 17.30 | 0.24 | 6.9 | 0.042 | 2.37 | 64.2 | 3.4 | 0.03 | 213 | 0.88 | 3.07 | 15.7 | 0.9 | 40 |
| J597610 | | 1.31 | 17.10 | 0.23 | 7.2 | 0.035 | 3.03 | 66.3 | 2.5 | 0.03 | 171 | 1.63 | 2.83 | 16.4 | 1.2 | 30 |
| J597611 | | 1.44 | 16.30 | 0.24 | 6.7 | 0.037 | 2.86 | 66.2 | 2.5 | 0.03 | 188 | 0.91 | 2.71 | 15.8 | 1.0 | 30 |
| J597612 | | 1.47 | 17.45 | 0.25 | 7.1 | 0.041 | 2.75 | 65.8 | 3.2 | 0.04 | 220 | 0.91 | 3.09 | 17.1 | 1.1 | 40 |
| J597613 | | 1.49 | 16.90 | 0.24 | 7.1 | 0.047 | 2.55 | 63.3 | 3.4 | 0.04 | 245 | 1.12 | 3.06 | 16.2 | 0.8 | 50 |
| J597614 | | 1.87 | 18.25 | 0.25 | 7.7 | 0.053 | 2.19 | 64.5 | 4.0 | 0.04 | 273 | 0.96 | 3.50 | 17.7 | 1.1 | 50 |
| J597615 | | 1.77 | 17.85 | 0.28 | 7.7 | 0.049 | 2.80 | 71.6 | 3.1 | 0.04 | 228 | 1.00 | 3.14 | 17.6 | 1.1 | 60 |
| J597616 | | 1.56 | 16.50 | 0.24 | 7.4 | 0.051 | 2.86 | 64.0 | 2.8 | 0.04 | 215 | 1.07 | 3.00 | 16.6 | 1.2 | 50 |
| J597617 | | 1.65 | 16.85 | 0.19 | 8.3 | 0.039 | 2.98 | 62.6 | 3.4 | 0.04 | 250 | 0.97 | 2.93 | 16.4 | 0.8 | 60 |
| J597618 | | 1.72 | 15.95 | 0.19 | 8.1 | 0.041 | 2.89 | 58.2 | 3.3 | 0.04 | 263 | 1.33 | 2.91 | 15.9 | 0.8 | 60 |
| J597619 | | 1.81 | 17.20 | 0.20 | 8.1 | 0.045 | 3.03 | 63.5 | 4.1 | 0.03 | 299 | 2.38 | 2.88 | 16.3 | 0.8 | 60 |
| J597620 | | 1.74 | 17.75 | 0.19 | 8.7 | 0.041 | 3.17 | 64.6 | 4.6 | 0.04 | 294 | 3.11 | 2.94 | 16.9 | 1.0 | 50 |
| J597621 | | 1.79 | 17.35 | 0.21 | 8.1 | 0.041 | 3.16 | 61.3 | 3.2 | 0.03 | 262 | 1.62 | 2.83 | 16.9 | 0.7 | 50 |
| J597622 | | 1.63 | 17.15 | 0.19 | 7.8 | 0.042 | 2.80 | 60.8 | 3.7 | 0.03 | 266 | 1.29 | 2.89 | 15.2 | 1.0 | 50 |
| J597623 | | 1.35 | 17.15 | 0.16 | 8.9 | 0.038 | 2.53 | 57.7 | 4.1 | 0.03 | 239 | 2.22 | 3.18 | 15.9 | 0.7 | 60 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Pb ppm 0.5 | ME-MS61 Rb ppm 0.1 | ME-MS61 Re ppm 0.002 | ME-MS61 S % 0.01 | ME-MS61 Sb ppm 0.05 | ME-MS61 Sc ppm 0.1 | ME-MS61 Se ppm 1 | ME-MS61 Sn ppm 0.2 | ME-MS61 Sr ppm 0.2 | ME-MS61 Ta ppm 0.05 | ME-MS61 Te ppm 0.05 | ME-MS61 Th ppm 0.2 | ME-MS61 Ti % 0.005 | ME-MS61 Tl ppm 0.02 | ME-MS61 U ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597584 | | 3.9 | 90.5 | <0.002 | 0.01 | 0.99 | 5.4 | 1 | 1.4 | 56.2 | 1.29 | <0.05 | 16.0 | 0.052 | 0.24 | 4.0 |
| J597585 | | 3.1 | 99.0 | <0.002 | 0.01 | 0.93 | 5.4 | 1 | 1.3 | 42.1 | 1.26 | <0.05 | 16.5 | 0.049 | 0.29 | 4.0 |
| J597586 | | 3.4 | 101.5 | <0.002 | 0.01 | 0.87 | 5.2 | 1 | 1.7 | 46.9 | 1.26 | <0.05 | 16.6 | 0.050 | 0.29 | 4.0 |
| J597587 | | 3.2 | 96.8 | <0.002 | 0.01 | 0.84 | 5.1 | 1 | 1.3 | 42.8 | 1.24 | <0.05 | 16.8 | 0.049 | 0.28 | 4.0 |
| J597588 | | 3.1 | 84.6 | <0.002 | 0.02 | 0.72 | 5.0 | 1 | 2.3 | 46.1 | 1.32 | <0.05 | 15.8 | 0.052 | 0.24 | 3.6 |
| J597589 | | 3.1 | 90.5 | <0.002 | 0.01 | 0.87 | 5.2 | 1 | 1.8 | 50.5 | 1.27 | <0.05 | 17.3 | 0.049 | 0.24 | 4.4 |
| J597590 | | 3.1 | 96.0 | <0.002 | 0.03 | 0.87 | 5.7 | 2 | 2.0 | 55.0 | 1.31 | <0.05 | 17.5 | 0.052 | 0.25 | 4.3 |
| J597591 | | 3.4 | 87.3 | <0.002 | 0.06 | 0.83 | 5.5 | 2 | 1.6 | 67.5 | 1.35 | <0.05 | 16.8 | 0.050 | 0.22 | 4.2 |
| J597592 | | 3.2 | 81.7 | <0.002 | 0.01 | 0.77 | 5.5 | 1 | 1.4 | 64.2 | 1.35 | <0.05 | 16.3 | 0.051 | 0.22 | 4.1 |
| J597593 | | 2.8 | 93.4 | <0.002 | 0.02 | 0.83 | 5.3 | 1 | 1.3 | 49.4 | 1.26 | <0.05 | 16.5 | 0.048 | 0.26 | 4.1 |
| J597594 | | 4.6 | 91.5 | <0.002 | 0.06 | 0.76 | 5.4 | 2 | 1.9 | 51.3 | 1.42 | <0.05 | 16.9 | 0.050 | 0.23 | 4.1 |
| J597595 | | 2.8 | 103.0 | <0.002 | 0.02 | 0.79 | 5.7 | 1 | 1.7 | 48.2 | 1.20 | <0.05 | 16.8 | 0.047 | 0.26 | 4.4 |
| J597596 | | 2.8 | 93.5 | <0.002 | 0.01 | 0.79 | 5.6 | 2 | 2.1 | 54.2 | 1.31 | <0.05 | 17.7 | 0.050 | 0.24 | 4.4 |
| J597597 | | 2.6 | 92.8 | <0.002 | 0.01 | 0.79 | 5.0 | 1 | 1.4 | 52.6 | 1.29 | <0.05 | 16.2 | 0.044 | 0.24 | 4.0 |
| J597598 | | 3.3 | 95.3 | <0.002 | <0.01 | 0.82 | 5.7 | 2 | 1.9 | 62.0 | 1.33 | <0.05 | 16.1 | 0.053 | 0.23 | 3.9 |
| J597599 | | 3.4 | 98.3 | <0.002 | 0.01 | 0.89 | 4.9 | 1 | 1.3 | 47.9 | 1.25 | <0.05 | 15.6 | 0.046 | 0.25 | 3.7 |
| J597600 | | 3.6 | 87.9 | <0.002 | 0.01 | 0.83 | 5.4 | 2 | 1.7 | 64.5 | 1.35 | <0.05 | 16.9 | 0.049 | 0.23 | 4.4 |
| J597601 | | 4.5 | 74.8 | <0.002 | 0.09 | 0.79 | 5.5 | 2 | 1.7 | 71.3 | 1.22 | <0.05 | 16.8 | 0.049 | 0.21 | 4.1 |
| J597602 | | 30.1 | 65.3 | <0.002 | 0.25 | 1.05 | 5.4 | 2 | 2.0 | 68.1 | 1.40 | <0.05 | 17.2 | 0.050 | 0.19 | 4.1 |
| J597603 | | 4.5 | 68.0 | <0.002 | 0.03 | 0.87 | 5.2 | 2 | 2.2 | 69.4 | 1.24 | <0.05 | 15.8 | 0.045 | 0.19 | 3.9 |
| J597604 | | 2.8 | 73.1 | <0.002 | 0.01 | 0.85 | 5.3 | 1 | 2.5 | 73.8 | 1.22 | <0.05 | 15.8 | 0.046 | 0.20 | 4.0 |
| J597605 | | 7.6 | 64.1 | <0.002 | 0.02 | 0.76 | 5.3 | 2 | 2.6 | 92.9 | 1.45 | <0.05 | 16.6 | 0.055 | 0.19 | 4.1 |
| J597606 | | 23.4 | 61.1 | <0.002 | 0.09 | 1.11 | 5.5 | 2 | 1.6 | 79.2 | 1.46 | <0.05 | 16.7 | 0.064 | 0.20 | 4.3 |
| J597607 | | 7.4 | 52.8 | <0.002 | 0.07 | 0.81 | 6.2 | 2 | 2.0 | 89.2 | 1.43 | <0.05 | 16.0 | 0.068 | 0.16 | 3.7 |
| J597608 | | 6.4 | 56.9 | <0.002 | 0.03 | 0.84 | 5.9 | 2 | 1.9 | 85.7 | 1.29 | <0.05 | 16.0 | 0.063 | 0.19 | 3.8 |
| J597609 | | 6.0 | 55.4 | <0.002 | 0.06 | 0.85 | 5.7 | 2 | 2.3 | 87.2 | 1.33 | <0.05 | 15.4 | 0.068 | 0.19 | 3.7 |
| J597610 | | 5.3 | 66.7 | <0.002 | 0.01 | 0.88 | 5.8 | 2 | 1.5 | 75.7 | 1.35 | <0.05 | 15.7 | 0.065 | 0.19 | 3.8 |
| J597611 | | 6.7 | 62.4 | <0.002 | 0.01 | 0.78 | 5.9 | 2 | 1.7 | 66.9 | 1.28 | <0.05 | 15.5 | 0.063 | 0.16 | 3.6 |
| J597612 | | 8.4 | 59.3 | <0.002 | 0.01 | 0.72 | 6.8 | 2 | 2.6 | 80.7 | 1.38 | <0.05 | 15.8 | 0.078 | 0.16 | 3.8 |
| J597613 | | 8.8 | 53.6 | <0.002 | 0.01 | 0.73 | 6.7 | 2 | 2.3 | 86.5 | 1.35 | <0.05 | 15.1 | 0.085 | 0.16 | 3.5 |
| J597614 | | 7.4 | 54.8 | <0.002 | <0.01 | 0.72 | 7.7 | 2 | 2.5 | 90.6 | 1.43 | <0.05 | 15.9 | 0.088 | 0.16 | 3.7 |
| J597615 | | 6.1 | 70.9 | <0.002 | <0.01 | 0.63 | 7.4 | 2 | 2.1 | 88.3 | 1.39 | <0.05 | 16.0 | 0.088 | 0.19 | 3.7 |
| J597616 | | 7.0 | 73.1 | <0.002 | <0.01 | 0.59 | 6.8 | 2 | 2.2 | 77.6 | 1.35 | <0.05 | 15.4 | 0.085 | 0.20 | 3.7 |
| J597617 | | 9.0 | 69.4 | <0.002 | <0.01 | 0.46 | 7.0 | 1 | 1.8 | 83.3 | 1.19 | <0.05 | 14.5 | 0.089 | 0.24 | 3.6 |
| J597618 | | 8.1 | 73.7 | <0.002 | <0.01 | 0.35 | 7.0 | 1 | 1.5 | 84.5 | 1.22 | <0.05 | 13.7 | 0.092 | 0.26 | 3.5 |
| J597619 | | 8.3 | 92.9 | 0.002 | 0.01 | 0.33 | 7.0 | 1 | 1.5 | 79.8 | 1.16 | <0.05 | 14.4 | 0.089 | 0.33 | 3.6 |
| J597620 | | 8.7 | 97.9 | <0.002 | 0.01 | 0.39 | 7.3 | 1 | 1.7 | 87.8 | 1.18 | <0.05 | 15.4 | 0.091 | 0.36 | 3.9 |
| J597621 | | 7.4 | 91.9 | <0.002 | <0.01 | 0.46 | 7.0 | 1 | 1.4 | 79.0 | 1.17 | <0.05 | 14.3 | 0.088 | 0.32 | 3.6 |
| J597622 | | 9.0 | 73.8 | <0.002 | 0.04 | 0.48 | 6.9 | 1 | 1.3 | 78.0 | 1.15 | <0.05 | 14.1 | 0.088 | 0.27 | 3.5 |
| J597623 | | 7.4 | 65.5 | <0.002 | <0.01 | 0.46 | 6.6 | 2 | 1.3 | 102.5 | 1.21 | <0.05 | 14.5 | 0.095 | 0.23 | 3.7 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| 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 |
|---|---|---|---|---|---|---|
| J597584 | | <1 | 0.7 | 15.8 | 14 | 211 |
| J597585 | | <1 | 0.8 | 14.2 | 13 | 207 |
| J597586 | | <1 | 0.7 | 15.8 | 14 | 218 |
| J597587 | | <1 | 0.6 | 14.4 | 13 | 218 |
| J597588 | | <1 | 0.7 | 19.7 | 14 | 211 |
| J597589 | | 1 | 0.9 | 20.8 | 17 | 221 |
| J597590 | | 1 | 0.9 | 19.3 | 14 | 210 |
| J597591 | | <1 | 0.9 | 23.3 | 15 | 224 |
| J597592 | | <1 | 0.8 | 21.7 | 14 | 211 |
| J597593 | | <1 | 0.8 | 16.0 | 13 | 206 |
| J597594 | | <1 | 0.8 | 22.3 | 15 | 209 |
| J597595 | | <1 | 0.6 | 15.3 | 11 | 203 |
| J597596 | | <1 | 0.7 | 19.2 | 14 | 218 |
| J597597 | | <1 | 0.5 | 18.5 | 15 | 224 |
| J597598 | | <1 | 0.5 | 22.4 | 14 | 213 |
| J597599 | | <1 | 0.6 | 15.1 | 11 | 208 |
| J597600 | | <1 | 0.5 | 22.8 | 14 | 221 |
| J597601 | | 1 | 0.8 | 22.3 | 16 | 213 |
| J597602 | | 1 | 1.0 | 24.1 | 74 | 213 |
| J597603 | | <1 | 0.7 | 21.4 | 14 | 208 |
| J597604 | | <1 | 0.7 | 22.2 | 14 | 209 |
| J597605 | | <1 | 0.7 | 29.6 | 32 | 217 |
| J597606 | | <1 | 0.8 | 28.5 | 32 | 227 |
| J597607 | | <1 | 0.8 | 32.5 | 28 | 246 |
| J597608 | | <1 | 0.7 | 28.9 | 28 | 220 |
| J597609 | | 2 | 0.8 | 29.7 | 24 | 234 |
| J597610 | | <1 | 0.8 | 30.3 | 25 | 235 |
| J597611 | | <1 | 0.8 | 30.2 | 21 | 221 |
| J597612 | | 1 | 1.3 | 35.8 | 26 | 243 |
| J597613 | | 1 | 0.9 | 34.7 | 30 | 255 |
| J597614 | | 1 | 0.9 | 38.8 | 29 | 268 |
| J597615 | | 1 | 0.8 | 39.5 | 24 | 281 |
| J597616 | | 1 | 0.9 | 36.4 | 21 | 268 |
| J597617 | | 1 | 0.8 | 32.6 | 27 | 266 |
| J597618 | | 1 | 0.8 | 31.2 | 29 | 261 |
| J597619 | | 1 | 1.1 | 31.4 | 31 | 270 |
| J597620 | | 1 | 0.9 | 32.2 | 31 | 291 |
| J597621 | | 1 | 0.6 | 33.0 | 23 | 270 |
| J597622 | | 1 | 0.9 | 32.8 | 27 | 255 |
| J597623 | | 1 | 1.3 | 30.4 | 20 | 297 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-AA23 Au g/t 0.005 | ME-MS61 Ag ppm 0.01 | ME-MS61 Al % 0.01 | ME-MS61 As ppm 0.2 | ME-MS61 Ba ppm 10 | ME-MS61 Be ppm 0.05 | ME-MS61 Bi ppm 0.01 | ME-MS61 Ca % 0.01 | ME-MS61 Cd ppm 0.02 | ME-MS61 Ce ppm 0.01 | ME-MS61 Co ppm 0.1 | ME-MS61 Cr ppm 1 | ME-MS61 Cs ppm 0.05 | ME-MS61 Cu ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597624 | | 1.76 | <0.005 | 0.03 | 6.84 | 17.3 | 940 | 1.88 | 0.06 | 0.86 | 0.03 | 125.5 | 2.2 | 17 | 0.49 | 1.1 |
| J597625 | | 0.03 | 0.595 | 0.77 | 8.54 | 3.0 | 100 | 2.39 | 0.89 | 0.92 | 0.15 | 14.30 | 8.3 | 31 | 32.7 | 10.4 |
| J597626 | | 1.86 | 0.011 | 0.07 | 6.30 | 18.7 | 930 | 1.65 | 0.08 | 0.65 | 0.04 | 116.5 | 2.1 | 22 | 0.38 | 8.1 |
| J597627 | | 1.91 | 0.005 | 0.12 | 6.72 | 21.2 | 1040 | 1.91 | 0.17 | 0.51 | 0.02 | 136.5 | 1.7 | 15 | 0.28 | 5.0 |
| J597628 | | 0.73 | <0.005 | 0.04 | 6.67 | 11.8 | 1000 | 1.85 | 0.05 | 0.47 | <0.02 | 137.5 | 1.3 | 16 | 0.24 | 0.8 |
| J597629 | | 1.47 | 0.076 | 0.11 | 6.50 | 167.5 | 1020 | 2.24 | 0.14 | 0.51 | 0.14 | 130.0 | 1.6 | 17 | 0.56 | 8.7 |
| J597630 | | 1.67 | 0.169 | 0.18 | 6.45 | 69.9 | 990 | 2.04 | 0.07 | 0.59 | 0.25 | 119.0 | 1.2 | 14 | 0.45 | 11.0 |
| J597631 | | 1.93 | 0.005 | 0.09 | 6.52 | 27.8 | 980 | 2.08 | 0.07 | 0.57 | 0.15 | 118.0 | 2.8 | 19 | 0.50 | 8.4 |
| J597632 | | 1.90 | <0.005 | 0.07 | 6.51 | 10.1 | 1080 | 2.09 | 0.07 | 0.53 | 0.03 | 124.0 | 2.1 | 19 | 0.37 | 3.5 |
| J597633 | | 1.93 | <0.005 | 0.07 | 6.45 | 6.9 | 940 | 1.80 | 0.04 | 0.70 | 0.05 | 126.5 | 2.9 | 16 | 0.52 | 20.6 |
| J597634 | | 1.61 | <0.005 | 0.04 | 6.92 | 4.8 | 1160 | 2.26 | 0.07 | 0.71 | 0.03 | 129.0 | 3.5 | 20 | 0.38 | 1.3 |
| J597635 | | 1.89 | <0.005 | 0.04 | 6.68 | 3.6 | 1030 | 1.87 | 0.05 | 0.71 | 0.02 | 123.0 | 1.9 | 22 | 0.39 | 9.1 |
| J597636 | | 2.11 | <0.005 | 0.06 | 6.74 | 5.3 | 920 | 1.96 | 0.09 | 0.66 | 0.04 | 124.0 | 2.7 | 16 | 0.50 | 12.4 |
| J597637 | | 1.82 | 0.006 | 0.03 | 6.47 | 6.7 | 730 | 1.86 | 0.04 | 0.81 | 0.04 | 90.6 | 1.6 | 20 | 0.59 | 8.4 |
| J597638 | | 1.39 | <0.005 | 0.06 | 6.87 | 4.1 | 1040 | 2.21 | 0.09 | 0.73 | 0.05 | 126.5 | 2.0 | 20 | 0.46 | 3.6 |
| J597639 | | 1.74 | <0.005 | 0.05 | 6.48 | 2.6 | 830 | 1.85 | 0.07 | 0.74 | 0.03 | 104.5 | 1.6 | 19 | 0.38 | 4.0 |
| J597640 | | 1.92 | <0.005 | 0.10 | 6.59 | 2.4 | 940 | 1.84 | 0.04 | 0.70 | 0.03 | 123.5 | 1.8 | 18 | 0.45 | 3.1 |
| J597641 | | 1.42 | <0.005 | 0.05 | 6.64 | 4.5 | 1010 | 1.92 | 0.06 | 0.69 | 0.02 | 123.0 | 2.0 | 16 | 0.66 | 5.5 |
| J597642 | | 1.33 | <0.005 | 0.05 | 6.55 | 3.7 | 980 | 2.08 | 0.12 | 0.60 | <0.02 | 127.5 | 1.4 | 15 | 0.48 | 4.7 |
| J597643 | | 1.65 | <0.005 | 0.04 | 6.74 | 3.9 | 1050 | 2.52 | 0.09 | 0.67 | 0.02 | 117.0 | 1.1 | 15 | 0.50 | 7.3 |
| J597644 | | 1.81 | <0.005 | 0.02 | 6.68 | 3.0 | 1040 | 1.87 | 0.07 | 0.61 | 0.02 | 123.0 | 1.5 | 17 | 0.53 | 2.5 |
| J597645 | | 1.83 | <0.005 | 0.03 | 6.52 | 3.7 | 1020 | 1.86 | 0.06 | 0.67 | <0.02 | 106.5 | 1.4 | 15 | 0.43 | 3.0 |
| J597646 | | 1.97 | <0.005 | 0.06 | 6.71 | 3.1 | 1050 | 2.08 | 0.09 | 0.52 | 0.02 | 128.0 | 1.5 | 16 | 0.23 | 2.2 |
| J597647 | | 1.89 | <0.005 | 0.02 | 6.33 | 3.0 | 930 | 2.15 | 0.08 | 0.56 | 0.02 | 135.5 | 1.7 | 19 | 0.25 | 2.8 |
| J597648 | | 1.69 | <0.005 | 0.02 | 6.66 | 2.5 | 680 | 2.20 | 0.05 | 0.76 | <0.02 | 104.0 | 3.3 | 15 | 0.59 | 2.8 |
| J597649 | | 1.17 | <0.005 | 0.02 | 6.55 | 2.8 | 950 | 2.00 | 0.05 | 0.63 | 0.05 | 121.0 | 1.7 | 16 | 0.28 | 1.8 |
| J597650 | | 0.03 | 1.340 | 0.73 | 8.68 | 3.5 | 100 | 2.42 | 0.56 | 0.91 | 0.14 | 14.95 | 8.6 | 30 | 19.35 | 11.7 |
| J597651 | | 1.21 | 0.012 | 0.10 | 6.55 | 7.3 | 600 | 2.41 | 0.03 | 0.91 | 0.04 | 103.0 | 2.1 | 15 | 0.32 | 8.2 |
| J597652 | | 1.32 | <0.005 | 0.05 | 6.58 | 3.1 | 890 | 2.35 | 0.03 | 0.76 | 0.03 | 102.5 | 2.6 | 13 | 0.25 | 1.4 |
| J597653 | | 1.76 | <0.005 | 0.03 | 8.35 | 10.6 | 970 | 1.77 | 0.16 | 7.39 | 0.04 | 92.0 | 22.2 | 2 | 2.65 | 16.3 |
| J597654 | | 1.77 | <0.005 | 0.03 | 6.34 | 4.6 | 750 | 1.67 | 0.07 | 0.70 | 0.03 | 123.0 | 2.3 | 12 | 0.17 | 2.9 |
| J597655 | | 2.33 | <0.005 | 0.07 | 7.91 | 10.8 | 520 | 1.18 | 0.13 | 5.84 | 0.03 | 102.0 | 24.1 | 3 | 1.65 | 5.4 |
| J597656 | | 1.50 | <0.005 | 0.07 | 7.64 | 11.6 | 440 | 1.62 | 0.13 | 2.03 | 0.05 | 83.7 | 5.9 | 6 | 0.58 | 1.8 |
| J597657 | | 1.91 | 0.011 | 0.10 | 6.17 | 7.5 | 260 | 1.59 | 0.10 | 1.49 | 0.05 | 76.6 | 5.4 | 9 | 0.28 | 31.7 |
| J597658 | | 1.61 | <0.005 | 0.04 | 7.47 | 12.6 | 690 | 0.87 | 0.18 | 6.11 | <0.02 | 100.0 | 24.7 | <1 | 2.49 | 9.9 |
| J597659 | | 1.22 | <0.005 | 0.03 | 8.18 | 13.5 | 350 | 1.04 | 0.16 | 6.99 | 0.05 | 113.5 | 26.0 | <1 | 1.22 | 6.9 |
| J597660 | | 1.76 | <0.005 | 0.05 | 8.53 | 13.5 | 240 | 0.95 | 0.17 | 7.10 | 0.06 | 112.0 | 27.3 | 1 | 0.71 | 11.4 |
| J597661 | | 1.56 | <0.005 | 0.04 | 8.16 | 12.9 | 380 | 0.96 | 0.19 | 8.21 | 0.03 | 129.5 | 25.4 | <1 | 0.85 | 14.7 |
| J597662 | | 2.35 | <0.005 | 0.10 | 7.66 | 9.5 | 280 | 1.48 | 0.10 | 3.42 | 0.04 | 100.5 | 11.9 | 10 | 0.46 | 12.7 |
| J597663 | | 1.14 | <0.005 | 0.03 | 7.75 | 8.4 | 400 | 1.39 | 0.13 | 6.77 | 0.03 | 108.5 | 27.6 | 1 | 0.77 | 1.9 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Fe % 0.01 | ME-MS61 Ga ppm 0.05 | ME-MS61 Ge ppm 0.05 | ME-MS61 Hf ppm 0.1 | ME-MS61 In ppm 0.005 | ME-MS61 K % 0.01 | ME-MS61 La ppm 0.5 | ME-MS61 Li ppm 0.2 | ME-MS61 Mg % 0.01 | ME-MS61 Mn ppm 5 | ME-MS61 Mo ppm 0.05 | ME-MS61 Na % 0.01 | ME-MS61 Nb ppm 0.1 | ME-MS61 Ni ppm 0.2 | ME-MS61 P ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597624 | | 1.75 | 17.00 | 0.19 | 8.5 | 0.042 | 2.65 | 63.5 | 3.8 | 0.03 | 360 | 1.74 | 3.31 | 16.7 | 1.1 | 50 |
| J597625 | | 3.65 | 18.60 | 0.07 | 1.6 | 0.010 | 2.21 | 6.9 | 6.8 | 0.71 | 262 | 0.98 | 5.93 | 8.3 | 28.1 | 740 |
| J597626 | | 1.53 | 16.60 | 0.19 | 8.4 | 0.045 | 2.70 | 57.7 | 3.6 | 0.03 | 328 | 1.52 | 3.00 | 15.0 | 0.8 | 50 |
| J597627 | | 1.47 | 17.00 | 0.21 | 7.4 | 0.037 | 3.29 | 68.8 | 2.6 | 0.03 | 270 | 1.05 | 3.03 | 16.8 | 0.8 | 40 |
| J597628 | | 1.65 | 16.80 | 0.19 | 7.8 | 0.051 | 3.10 | 65.0 | 2.5 | 0.03 | 277 | 0.97 | 3.12 | 15.9 | 0.7 | 50 |
| J597629 | | 1.59 | 17.75 | 0.22 | 8.1 | 0.054 | 3.13 | 61.0 | 3.0 | 0.04 | 336 | 2.47 | 2.92 | 16.9 | 1.0 | 50 |
| J597630 | | 1.51 | 16.70 | 0.20 | 8.5 | 0.050 | 2.93 | 61.4 | 4.9 | 0.04 | 366 | 2.35 | 2.91 | 15.9 | 0.7 | 60 |
| J597631 | | 1.57 | 17.65 | 0.19 | 8.4 | 0.059 | 2.86 | 58.6 | 4.4 | 0.04 | 300 | 1.70 | 3.09 | 16.7 | 0.8 | 60 |
| J597632 | | 1.60 | 16.95 | 0.23 | 8.6 | 0.053 | 3.09 | 62.6 | 3.0 | 0.03 | 318 | 1.48 | 2.98 | 16.9 | 0.8 | 60 |
| J597633 | | 1.58 | 16.30 | 0.19 | 8.2 | 0.050 | 2.57 | 61.6 | 4.6 | 0.04 | 351 | 1.42 | 3.00 | 15.7 | 0.7 | 60 |
| J597634 | | 1.79 | 17.05 | 0.21 | 9.1 | 0.067 | 3.02 | 63.4 | 3.1 | 0.04 | 351 | 1.13 | 3.13 | 16.6 | 1.0 | 70 |
| J597635 | | 1.71 | 16.75 | 0.21 | 9.2 | 0.055 | 2.83 | 59.1 | 3.6 | 0.04 | 369 | 1.65 | 3.16 | 15.6 | 0.9 | 60 |
| J597636 | | 1.59 | 17.70 | 0.22 | 8.9 | 0.050 | 2.67 | 59.4 | 4.7 | 0.04 | 306 | 1.67 | 3.13 | 16.1 | 1.0 | 60 |
| J597637 | | 1.33 | 15.95 | 0.15 | 8.4 | 0.037 | 1.91 | 44.7 | 3.7 | 0.04 | 307 | 1.81 | 3.27 | 14.5 | 0.8 | 50 |
| J597638 | | 1.69 | 17.35 | 0.17 | 8.5 | 0.053 | 2.77 | 62.0 | 2.9 | 0.04 | 380 | 1.38 | 3.22 | 16.1 | 1.1 | 70 |
| J597639 | | 1.51 | 15.90 | 0.17 | 8.8 | 0.045 | 2.29 | 52.0 | 2.6 | 0.03 | 319 | 1.22 | 3.14 | 17.2 | 0.9 | 60 |
| J597640 | | 1.57 | 17.20 | 0.20 | 8.4 | 0.056 | 2.50 | 62.7 | 3.1 | 0.04 | 357 | 1.11 | 3.20 | 16.4 | 1.2 | 60 |
| J597641 | | 1.73 | 16.65 | 0.20 | 9.3 | 0.054 | 2.63 | 59.4 | 3.4 | 0.05 | 364 | 1.26 | 3.11 | 15.6 | 0.7 | 60 |
| J597642 | | 1.61 | 17.40 | 0.20 | 8.9 | 0.053 | 2.73 | 59.8 | 3.7 | 0.05 | 345 | 1.16 | 3.14 | 16.3 | 1.0 | 70 |
| J597643 | | 1.80 | 17.00 | 0.20 | 8.5 | 0.059 | 2.76 | 58.8 | 4.2 | 0.05 | 382 | 1.33 | 3.10 | 15.6 | 0.8 | 70 |
| J597644 | | 1.76 | 16.80 | 0.17 | 8.8 | 0.053 | 3.11 | 63.2 | 3.5 | 0.04 | 405 | 1.38 | 2.98 | 15.5 | 0.8 | 70 |
| J597645 | | 1.64 | 16.30 | 0.18 | 8.9 | 0.056 | 2.94 | 53.9 | 2.9 | 0.05 | 387 | 1.51 | 2.91 | 14.7 | 0.7 | 70 |
| J597646 | | 1.71 | 17.25 | 0.22 | 8.4 | 0.059 | 2.96 | 62.8 | 2.0 | 0.04 | 307 | 1.59 | 3.18 | 16.1 | 1.0 | 70 |
| J597647 | | 1.67 | 16.55 | 0.22 | 8.3 | 0.061 | 2.73 | 63.5 | 2.1 | 0.04 | 266 | 1.54 | 3.04 | 15.2 | 0.9 | 70 |
| J597648 | | 2.32 | 16.30 | 0.15 | 7.8 | 0.050 | 1.84 | 50.9 | 3.3 | 0.07 | 358 | 1.00 | 3.45 | 14.5 | 1.6 | 120 |
| J597649 | | 1.69 | 16.50 | 0.17 | 8.7 | 0.036 | 2.56 | 56.7 | 2.4 | 0.04 | 295 | 1.93 | 3.12 | 15.9 | 0.9 | 70 |
| J597650 | | 4.26 | 18.10 | 0.12 | 1.4 | 0.014 | 2.64 | 7.0 | 5.1 | 0.90 | 258 | 1.03 | 5.29 | 8.7 | 29.7 | 710 |
| J597651 | | 1.45 | 15.65 | 0.17 | 8.8 | 0.035 | 1.02 | 52.1 | 4.0 | 0.07 | 261 | 1.35 | 3.46 | 13.6 | 1.2 | 50 |
| J597652 | | 2.27 | 15.90 | 0.17 | 8.5 | 0.028 | 1.93 | 50.8 | 1.9 | 0.04 | 268 | 0.91 | 3.24 | 13.7 | 1.0 | 50 |
| J597653 | | 8.74 | 17.50 | 0.23 | 1.7 | 0.061 | 2.25 | 38.9 | 21.7 | 1.89 | 1900 | 0.64 | 2.68 | 5.0 | 7.8 | >10000 |
| J597654 | | 2.20 | 16.30 | 0.19 | 8.3 | 0.024 | 1.53 | 63.0 | 1.8 | 0.06 | 222 | 0.92 | 3.80 | 14.1 | 1.0 | 80 |
| J597655 | | 7.93 | 17.45 | 0.26 | 2.6 | 0.088 | 1.48 | 47.7 | 14.0 | 1.77 | 1510 | 0.41 | 2.73 | 8.0 | 6.3 | 7690 |
| J597656 | | 3.78 | 16.95 | 0.18 | 7.6 | 0.035 | 0.61 | 40.4 | 6.9 | 0.32 | 812 | 2.47 | 5.16 | 14.0 | 2.3 | 630 |
| J597657 | | 2.61 | 17.15 | 0.16 | 10.6 | 0.023 | 0.29 | 39.0 | 2.9 | 0.15 | 334 | 0.86 | 4.37 | 10.4 | 2.2 | 290 |
| J597658 | | 11.20 | 18.00 | 0.24 | 1.2 | 0.105 | 2.03 | 44.0 | 18.2 | 2.42 | 2250 | 1.42 | 1.99 | 7.6 | 7.6 | 9340 |
| J597659 | | 9.53 | 16.85 | 0.25 | 2.1 | 0.119 | 1.19 | 50.0 | 11.2 | 2.55 | 2070 | 0.64 | 2.61 | 7.9 | 7.5 | >10000 |
| J597660 | | 10.25 | 19.30 | 0.25 | 1.7 | 0.094 | 0.74 | 48.9 | 7.9 | 2.21 | 2030 | 0.50 | 2.93 | 7.2 | 9.0 | 9240 |
| J597661 | | 9.41 | 17.95 | 0.30 | 1.8 | 0.107 | 0.92 | 53.8 | 9.4 | 2.30 | 1950 | 0.68 | 2.72 | 2.8 | 8.7 | >10000 |
| J597662 | | 5.07 | 17.65 | 0.21 | 6.9 | 0.043 | 0.49 | 46.9 | 5.7 | 0.74 | 714 | 0.69 | 4.32 | 10.7 | 4.4 | 4400 |
| J597663 | | 9.92 | 19.80 | 0.23 | 1.8 | 0.106 | 0.90 | 41.8 | 10.6 | 2.10 | 1640 | 0.37 | 2.71 | 3.8 | 10.4 | 8100 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Pb ppm 0.5 | ME-MS61 Rb ppm 0.1 | ME-MS61 Re ppm 0.002 | ME-MS61 S % 0.01 | ME-MS61 Sb ppm 0.05 | ME-MS61 Sc ppm 0.1 | ME-MS61 Se ppm 1 | ME-MS61 Sn ppm 0.2 | ME-MS61 Sr ppm 0.2 | ME-MS61 Ta ppm 0.05 | ME-MS61 Te ppm 0.05 | ME-MS61 Th ppm 0.2 | ME-MS61 Ti % 0.005 | ME-MS61 Tl ppm 0.02 | ME-MS61 U ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597624 | | 7.7 | 69.7 | 0.004 | <0.01 | 0.59 | 6.5 | 1 | 1.7 | 89.9 | 1.23 | <0.05 | 14.4 | 0.093 | 0.24 | 3.5 |
| J597625 | | 77.9 | 850 | <0.002 | 2.70 | 1.22 | 3.3 | <1 | 1.1 | 173.5 | 0.77 | <0.05 | 3.2 | 0.223 | 9.25 | 1.2 |
| J597626 | | 8.0 | 73.3 | <0.002 | 0.11 | 0.48 | 6.6 | 2 | 1.5 | 77.8 | 1.11 | <0.05 | 14.8 | 0.090 | 0.31 | 3.5 |
| J597627 | | 5.8 | 89.9 | <0.002 | 0.02 | 0.56 | 6.1 | 1 | 1.5 | 60.6 | 1.21 | <0.05 | 16.2 | 0.076 | 0.34 | 3.9 |
| J597628 | | 3.0 | 84.5 | <0.002 | <0.01 | 0.56 | 7.1 | 2 | 1.7 | 57.2 | 1.11 | <0.05 | 14.3 | 0.086 | 0.32 | 3.4 |
| J597629 | | 11.3 | 99.7 | <0.002 | 0.05 | 1.32 | 7.5 | 1 | 2.0 | 65.1 | 1.16 | <0.05 | 15.1 | 0.090 | 0.33 | 3.7 |
| J597630 | | 28.2 | 85.4 | <0.002 | 0.17 | 0.81 | 7.1 | 1 | 2.6 | 74.5 | 1.14 | <0.05 | 13.9 | 0.096 | 0.36 | 3.6 |
| J597631 | | 25.4 | 84.3 | <0.002 | 0.03 | 0.67 | 7.4 | 1 | 3.6 | 80.0 | 1.16 | <0.05 | 14.2 | 0.096 | 0.33 | 3.5 |
| J597632 | | 7.6 | 84.0 | 0.002 | 0.01 | 0.72 | 6.9 | 1 | 2.0 | 76.3 | 1.23 | <0.05 | 15.0 | 0.090 | 0.33 | 3.7 |
| J597633 | | 10.5 | 76.8 | <0.002 | 0.11 | 0.56 | 7.0 | 1 | 2.5 | 85.5 | 1.14 | <0.05 | 13.5 | 0.095 | 0.31 | 3.3 |
| J597634 | | 9.3 | 75.8 | 0.003 | <0.01 | 0.77 | 7.5 | 1 | 2.2 | 90.4 | 1.20 | <0.05 | 15.0 | 0.103 | 0.31 | 3.8 |
| J597635 | | 9.8 | 74.6 | <0.002 | 0.05 | 0.74 | 7.4 | 1 | 2.1 | 92.1 | 1.21 | <0.05 | 14.6 | 0.100 | 0.32 | 3.6 |
| J597636 | | 10.1 | 77.7 | <0.002 | 0.08 | 0.59 | 7.4 | 1 | 2.5 | 106.0 | 1.15 | <0.05 | 14.3 | 0.097 | 0.35 | 3.6 |
| J597637 | | 8.8 | 55.2 | 0.002 | 0.04 | 0.56 | 5.6 | 2 | 2.1 | 99.9 | 1.07 | <0.05 | 14.0 | 0.096 | 0.26 | 3.6 |
| J597638 | | 8.1 | 73.4 | 0.002 | 0.01 | 0.59 | 7.7 | 1 | 2.7 | 96.4 | 1.18 | <0.05 | 15.0 | 0.101 | 0.30 | 3.5 |
| J597639 | | 8.3 | 65.7 | 0.002 | 0.01 | 0.48 | 6.5 | 1 | 2.0 | 96.8 | 1.24 | <0.05 | 14.9 | 0.105 | 0.28 | 3.6 |
| J597640 | | 8.0 | 68.0 | <0.002 | 0.01 | 0.51 | 7.8 | 1 | 2.5 | 90.8 | 1.12 | <0.05 | 14.6 | 0.097 | 0.31 | 3.6 |
| J597641 | | 8.7 | 75.5 | 0.002 | 0.04 | 0.53 | 7.2 | 1 | 2.6 | 92.3 | 1.12 | <0.05 | 15.3 | 0.101 | 0.30 | 3.7 |
| J597642 | | 6.0 | 79.8 | <0.002 | 0.01 | 0.49 | 7.7 | 1 | 2.2 | 78.8 | 1.14 | <0.05 | 14.9 | 0.098 | 0.32 | 3.7 |
| J597643 | | 6.4 | 82.2 | <0.002 | 0.02 | 0.47 | 7.5 | 1 | 2.2 | 75.1 | 1.07 | <0.05 | 14.2 | 0.100 | 0.32 | 3.5 |
| J597644 | | 7.2 | 87.2 | <0.002 | 0.01 | 0.44 | 7.4 | 1 | 2.5 | 75.4 | 1.08 | <0.05 | 15.0 | 0.101 | 0.34 | 3.6 |
| J597645 | | 7.8 | 82.6 | 0.002 | 0.01 | 0.36 | 7.3 | 2 | 2.3 | 75.0 | 1.12 | <0.05 | 14.3 | 0.098 | 0.31 | 3.5 |
| J597646 | | 7.4 | 90.8 | <0.002 | <0.01 | 0.39 | 7.4 | 1 | 2.4 | 66.0 | 1.15 | <0.05 | 14.7 | 0.096 | 0.32 | 3.7 |
| J597647 | | 5.3 | 86.3 | 0.002 | 0.01 | 0.41 | 7.3 | 1 | 2.2 | 75.0 | 1.13 | <0.05 | 15.0 | 0.094 | 0.29 | 3.5 |
| J597648 | | 5.9 | 55.6 | <0.002 | <0.01 | 0.38 | 8.9 | 1 | 2.6 | 79.3 | 1.09 | <0.05 | 13.4 | 0.103 | 0.21 | 3.5 |
| J597649 | | 7.4 | 65.3 | 0.003 | <0.01 | 0.42 | 7.4 | 1 | 1.3 | 109.0 | 1.15 | <0.05 | 14.6 | 0.095 | 0.19 | 3.5 |
| J597650 | | 82.4 | 610 | 0.002 | 3.29 | 1.25 | 3.1 | <1 | 1.0 | 177.5 | 0.67 | <0.05 | 2.6 | 0.223 | 6.48 | 1.1 |
| J597651 | | 9.7 | 31.3 | <0.002 | 0.08 | 0.39 | 6.0 | 1 | 1.4 | 89.4 | 1.16 | <0.05 | 14.9 | 0.095 | 0.11 | 3.5 |
| J597652 | | 6.2 | 41.0 | <0.002 | <0.01 | 0.41 | 5.5 | <1 | 1.4 | 103.0 | 1.12 | <0.05 | 13.3 | 0.093 | 0.17 | 3.3 |
| J597653 | | 6.4 | 98.0 | <0.002 | 0.04 | 0.63 | 38.4 | 1 | 2.3 | 332 | 0.33 | <0.05 | 3.3 | 1.310 | 0.44 | 0.9 |
| J597654 | | 6.5 | 34.3 | <0.002 | <0.01 | 0.63 | 5.9 | 1 | 1.4 | 112.5 | 1.18 | <0.05 | 15.7 | 0.100 | 0.12 | 3.9 |
| J597655 | | 4.2 | 62.8 | 0.002 | 0.01 | 1.14 | 36.2 | 2 | 2.6 | 358 | 0.41 | <0.05 | 5.4 | 1.200 | 0.27 | 1.2 |
| J597656 | | 10.0 | 18.6 | <0.002 | <0.01 | 1.06 | 13.4 | 1 | 2.5 | 280 | 1.01 | <0.05 | 10.1 | 0.907 | 0.13 | 2.0 |
| J597657 | | 8.4 | 8.9 | <0.002 | 0.12 | 0.66 | 11.0 | 1 | 1.9 | 198.5 | 0.78 | <0.05 | 10.3 | 0.219 | 0.06 | 2.2 |
| J597658 | | 3.5 | 91.1 | 0.002 | 0.02 | 0.89 | 48.7 | 2 | 4.6 | 263 | 0.33 | <0.05 | 3.2 | 1.685 | 0.42 | 0.9 |
| J597659 | | 4.2 | 43.7 | <0.002 | 0.02 | 1.05 | 50.0 | 3 | 3.3 | 355 | 0.35 | <0.05 | 3.3 | 1.165 | 0.20 | 0.9 |
| J597660 | | 5.1 | 30.1 | 0.002 | 0.02 | 1.13 | 48.5 | 2 | 2.4 | 416 | 0.37 | <0.05 | 3.6 | 1.555 | 0.13 | 0.9 |
| J597661 | | 4.6 | 35.6 | 0.004 | 0.02 | 0.78 | 47.7 | 3 | 2.5 | 329 | 0.16 | <0.05 | 3.8 | 1.105 | 0.16 | 1.2 |
| J597662 | | 7.2 | 18.1 | <0.002 | 0.02 | 0.80 | 19.8 | 1 | 2.0 | 248 | 0.79 | <0.05 | 10.9 | 0.668 | 0.09 | 2.0 |
| J597663 | | 4.4 | 33.5 | <0.002 | <0.01 | 0.83 | 45.0 | 2 | 1.9 | 317 | 0.21 | <0.05 | 4.4 | 1.405 | 0.15 | 1.3 |

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

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| 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 |
|---|---|---|---|---|---|---|
| J597624 | | 1 | 1.1 | 31.5 | 23 | 283 |
| J597625 | | 29 | 0.2 | 3.7 | 44 | 49.2 |
| J597626 | | 1 | 1.8 | 28.3 | 23 | 270 |
| J597627 | | 1 | 1.0 | 32.2 | 19 | 234 |
| J597628 | | <1 | 0.9 | 30.0 | 17 | 265 |
| J597629 | | 1 | 1.2 | 31.1 | 44 | 276 |
| J597630 | | 1 | 1.6 | 28.8 | 84 | 293 |
| J597631 | | 1 | 1.2 | 28.4 | 65 | 291 |
| J597632 | | 1 | 1.1 | 32.9 | 25 | 285 |
| J597633 | | 1 | 1.3 | 29.4 | 32 | 282 |
| J597634 | | 1 | 0.9 | 32.5 | 33 | 316 |
| J597635 | | 1 | 1.5 | 30.0 | 32 | 298 |
| J597636 | | 1 | 1.4 | 29.4 | 40 | 305 |
| J597637 | | 3 | 1.4 | 24.5 | 35 | 295 |
| J597638 | | 1 | 1.3 | 32.9 | 32 | 283 |
| J597639 | | 2 | 1.8 | 29.1 | 26 | 292 |
| J597640 | | 1 | 1.2 | 29.8 | 24 | 295 |
| J597641 | | 1 | 1.2 | 28.7 | 26 | 321 |
| J597642 | | 1 | 1.5 | 30.7 | 20 | 298 |
| J597643 | | 1 | 1.8 | 29.6 | 23 | 301 |
| J597644 | | 1 | 1.5 | 32.1 | 27 | 307 |
| J597645 | | 1 | 1.4 | 29.1 | 28 | 294 |
| J597646 | | 1 | 1.0 | 30.7 | 27 | 286 |
| J597647 | | 2 | 0.9 | 30.9 | 20 | 284 |
| J597648 | | 3 | 1.1 | 29.4 | 24 | 280 |
| J597649 | | 1 | 1.2 | 29.8 | 23 | 301 |
| J597650 | | 29 | 0.2 | 4.2 | 42 | 45.1 |
| J597651 | | 3 | 1.7 | 20.9 | 25 | 300 |
| J597652 | | 2 | 1.0 | 21.0 | 18 | 275 |
| J597653 | | 198 | 0.8 | 39.0 | 91 | 71.9 |
| J597654 | | 2 | 1.0 | 25.2 | 15 | 300 |
| J597655 | | 170 | 0.7 | 36.9 | 75 | 109.5 |
| J597656 | | 40 | 0.6 | 18.2 | 36 | 338 |
| J597657 | | 8 | 0.8 | 17.2 | 19 | 429 |
| J597658 | | 237 | 0.9 | 43.4 | 109 | 45.8 |
| J597659 | | 161 | 0.6 | 56.1 | 95 | 83.3 |
| J597660 | | 231 | 0.6 | 48.8 | 86 | 72.7 |
| J597661 | | 215 | 0.7 | 52.7 | 90 | 80.8 |
| J597662 | | 85 | 0.9 | 36.5 | 36 | 305 |
| J597663 | | 242 | 0.6 | 45.3 | 76 | 66.6 |

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

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**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-AA23 Au g/t 0.005 | ME-MS61 Ag ppm 0.01 | ME-MS61 Al % 0.01 | ME-MS61 As ppm 0.2 | ME-MS61 Ba ppm 10 | ME-MS61 Be ppm 0.05 | ME-MS61 Bi ppm 0.01 | ME-MS61 Ca % 0.01 | ME-MS61 Cd ppm 0.02 | ME-MS61 Ce ppm 0.01 | ME-MS61 Co ppm 0.1 | ME-MS61 Cr ppm 1 | ME-MS61 Cs ppm 0.05 | ME-MS61 Cu ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597664 | | 1.31 | <0.005 | 0.03 | 7.99 | 8.8 | 360 | 0.99 | 0.12 | 7.64 | 0.05 | 115.5 | 23.1 | 1 | 0.67 | 2.6 |
| J597665 | | 2.16 | <0.005 | 0.05 | 7.71 | 9.3 | 320 | 0.96 | 0.10 | 6.49 | 0.06 | 99.0 | 21.3 | 1 | 0.71 | 6.7 |
| J597666 | | 2.08 | <0.005 | 0.04 | 8.00 | 8.7 | 320 | 0.89 | 0.15 | 7.41 | 0.05 | 111.0 | 28.1 | 1 | 0.96 | 14.0 |
| J597667 | | 2.14 | <0.005 | 0.03 | 8.56 | 6.0 | 390 | 0.87 | 0.16 | 6.78 | 0.04 | 64.4 | 28.4 | 1 | 0.93 | 7.0 |
| J597668 | | 2.02 | <0.005 | 0.08 | 8.23 | 8.7 | 330 | 1.23 | 0.11 | 4.47 | 0.07 | 91.7 | 13.0 | 4 | 0.71 | 20.4 |
| J597669 | | 1.68 | 0.008 | 0.16 | 7.40 | 7.9 | 430 | 1.33 | 0.32 | 6.65 | 0.08 | 93.6 | 29.0 | 2 | 1.76 | 141.0 |
| J597670 | | 1.06 | 0.005 | 0.17 | 6.55 | 6.2 | 330 | 1.25 | 0.15 | 3.70 | 0.09 | 72.6 | 11.8 | 5 | 0.81 | 113.0 |
| J597671 | | 1.21 | 0.008 | 0.14 | 7.38 | 7.1 | 430 | 1.33 | 0.18 | 2.04 | 0.08 | 84.4 | 5.3 | 8 | 0.63 | 30.4 |
| J597672 | | 1.94 | <0.005 | 0.14 | 7.81 | 12.2 | 430 | 1.47 | 0.17 | 2.23 | 0.12 | 79.5 | 4.8 | 8 | 0.57 | 24.8 |
| J597673 | | 2.06 | 0.008 | 0.19 | 8.09 | 13.8 | 740 | 1.21 | 0.12 | 3.82 | 0.07 | 78.8 | 11.5 | 30 | 1.91 | 33.6 |
| J597674 | | 0.85 | 0.008 | 0.13 | 7.90 | 27.3 | 430 | 1.52 | 0.11 | 3.06 | 0.05 | 104.5 | 11.3 | 8 | 1.39 | 50.9 |
| J597675 | | 0.03 | 3.33 | 0.18 | 1.54 | 1.3 | 100 | 0.29 | 0.14 | 0.01 | 0.15 | 18.55 | 1.0 | 9 | 0.59 | 6.1 |
| J597676 | | 1.27 | 0.591 | 0.08 | 7.94 | 667 | 390 | 1.03 | 0.20 | 5.19 | 0.08 | 49.8 | 29.0 | 4 | 1.95 | 46.1 |
| J597677 | | 1.97 | 0.006 | 0.06 | 9.84 | 33.7 | 200 | 0.69 | 0.13 | 6.33 | 0.10 | 35.4 | 26.3 | 24 | 0.78 | 12.7 |
| J597678 | | 2.10 | <0.005 | 0.40 | 9.18 | 14.0 | 130 | 0.78 | 0.11 | 5.86 | 0.08 | 37.1 | 23.5 | 92 | 0.72 | 42.8 |
| J597679 | | 2.15 | <0.005 | 0.14 | 9.02 | 9.5 | 150 | 0.84 | 0.11 | 6.02 | 0.06 | 52.0 | 26.4 | 39 | 0.71 | 18.9 |
| J597680 | | 2.24 | <0.005 | 0.09 | 7.92 | 8.4 | 160 | 0.90 | 0.10 | 5.87 | 0.08 | 81.9 | 29.8 | 34 | 0.70 | 26.5 |
| J597681 | | 2.04 | <0.005 | 0.06 | 9.36 | 7.9 | 220 | 0.73 | 0.09 | 6.41 | 0.08 | 59.8 | 22.9 | <1 | 0.71 | 1.8 |
| J597682 | | 2.01 | <0.005 | 0.06 | 8.44 | 7.2 | 180 | 0.75 | 0.07 | 5.72 | 0.10 | 55.8 | 23.1 | <1 | 0.84 | 12.8 |
| J597683 | | 2.05 | <0.005 | 0.04 | 8.32 | 5.4 | 140 | 0.70 | 0.09 | 6.56 | 0.08 | 71.0 | 26.0 | <1 | 0.56 | 3.8 |

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Fe % 0.01 | ME-MS61 Ga ppm 0.05 | ME-MS61 Ge ppm 0.05 | ME-MS61 Hf ppm 0.1 | ME-MS61 In ppm 0.005 | ME-MS61 K % 0.01 | ME-MS61 La ppm 0.5 | ME-MS61 Li ppm 0.2 | ME-MS61 Mg % 0.01 | ME-MS61 Mn ppm 5 | ME-MS61 Mo ppm 0.05 | ME-MS61 Na % 0.01 | ME-MS61 Nb ppm 0.1 | ME-MS61 Ni ppm 0.2 | ME-MS61 P ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597664 | | 9.29 | 17.35 | 0.27 | 2.0 | 0.090 | 0.83 | 47.0 | 8.4 | 2.25 | 1650 | 0.39 | 2.67 | 3.9 | 8.7 | 9290 |
| J597665 | | 8.72 | 17.15 | 0.23 | 2.7 | 0.080 | 0.79 | 43.0 | 7.6 | 1.89 | 1600 | 1.94 | 2.88 | 2.9 | 7.7 | 9210 |
| J597666 | | 10.90 | 18.00 | 0.25 | 1.6 | 0.082 | 0.89 | 47.4 | 8.9 | 2.21 | 1960 | 1.59 | 2.61 | 3.4 | 10.3 | >10000 |
| J597667 | | 11.60 | 19.95 | 0.19 | 1.4 | 0.102 | 0.92 | 24.5 | 9.9 | 2.00 | 1980 | 1.36 | 2.58 | 4.6 | 11.1 | 5970 |
| J597668 | | 6.09 | 19.00 | 0.18 | 7.7 | 0.051 | 0.60 | 37.6 | 7.3 | 0.89 | 1080 | 0.69 | 4.37 | 10.2 | 6.0 | 3760 |
| J597669 | | 10.40 | 19.30 | 0.24 | 2.2 | 0.108 | 1.11 | 38.7 | 11.2 | 2.08 | 2200 | 2.35 | 2.53 | 5.4 | 13.3 | 8160 |
| J597670 | | 3.27 | 14.25 | 0.15 | 5.8 | 0.036 | 0.53 | 33.7 | 5.9 | 0.44 | 909 | 1.85 | 3.76 | 9.8 | 3.5 | 850 |
| J597671 | | 3.10 | 19.10 | 0.16 | 5.2 | 0.037 | 0.44 | 40.4 | 5.5 | 0.29 | 493 | 1.06 | 4.61 | 13.3 | 2.1 | 410 |
| J597672 | | 2.71 | 18.40 | 0.17 | 7.4 | 0.034 | 0.43 | 36.6 | 4.8 | 0.28 | 494 | 1.42 | 5.17 | 12.4 | 2.2 | 460 |
| J597673 | | 5.35 | 18.25 | 0.19 | 7.1 | 0.056 | 1.27 | 35.5 | 12.8 | 1.20 | 1090 | 0.85 | 4.10 | 10.3 | 11.5 | 2080 |
| J597674 | | 5.12 | 18.70 | 0.19 | 7.2 | 0.063 | 0.85 | 49.8 | 8.5 | 0.77 | 945 | 1.26 | 4.26 | 12.6 | 3.8 | 2710 |
| J597675 | | 1.43 | 3.45 | 0.14 | 0.5 | 0.010 | 0.16 | 9.9 | 17.2 | 0.02 | 104 | 0.73 | 0.03 | 3.1 | 4.8 | 50 |
| J597676 | | 10.40 | 20.1 | 0.18 | 2.4 | 0.093 | 1.14 | 19.9 | 12.3 | 1.96 | 2150 | 8.97 | 2.63 | 6.1 | 25.2 | 1760 |
| J597677 | | 9.54 | 20.5 | 0.14 | 1.9 | 0.052 | 0.63 | 12.6 | 8.9 | 1.61 | 1780 | 2.06 | 3.62 | 4.5 | 26.4 | 2350 |
| J597678 | | 7.42 | 18.90 | 0.15 | 1.5 | 0.049 | 0.45 | 14.9 | 8.2 | 1.89 | 1320 | 2.70 | 3.23 | 3.6 | 14.8 | 2510 |
| J597679 | | 8.46 | 17.10 | 0.15 | 2.0 | 0.065 | 0.56 | 18.0 | 8.9 | 2.65 | 1520 | 1.58 | 3.46 | 3.6 | 8.7 | 3140 |
| J597680 | | 9.16 | 17.65 | 0.21 | 1.8 | 0.077 | 0.58 | 24.4 | 9.7 | 2.74 | 1640 | 1.40 | 3.02 | 7.0 | 10.1 | 3430 |
| J597681 | | 8.10 | 16.85 | 0.17 | 1.5 | 0.062 | 0.61 | 22.7 | 8.8 | 2.43 | 1530 | 0.65 | 3.47 | 5.2 | 5.1 | 4760 |
| J597682 | | 7.69 | 16.70 | 0.17 | 2.1 | 0.049 | 0.55 | 22.5 | 8.9 | 2.23 | 1540 | 0.71 | 2.97 | 6.4 | 3.9 | 4640 |
| J597683 | | 8.60 | 15.80 | 0.17 | 1.5 | 0.052 | 0.45 | 25.1 | 7.8 | 2.71 | 1820 | 0.97 | 2.92 | 5.8 | 4.6 | 5390 |

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**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Pb ppm 0.5 | ME-MS61 Rb ppm 0.1 | ME-MS61 Re ppm 0.002 | ME-MS61 S % 0.01 | ME-MS61 Sb ppm 0.05 | ME-MS61 Sc ppm 0.1 | ME-MS61 Se ppm 1 | ME-MS61 Sn ppm 0.2 | ME-MS61 Sr ppm 0.2 | ME-MS61 Ta ppm 0.05 | ME-MS61 Te ppm 0.05 | ME-MS61 Th ppm 0.2 | ME-MS61 Ti % 0.005 | ME-MS61 Tl ppm 0.02 | ME-MS61 U ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J597664 | | 5.5 | 30.5 | <0.002 | <0.01 | 0.80 | 45.9 | 2 | 1.5 | 355 | 0.23 | <0.05 | 4.3 | 1.120 | 0.13 | 1.2 |
| J597665 | | 7.7 | 30.5 | <0.002 | <0.01 | 0.70 | 36.7 | 1 | 1.2 | 321 | 0.22 | <0.05 | 6.1 | 1.030 | 0.14 | 1.4 |
| J597666 | | 5.0 | 36.7 | 0.002 | 0.01 | 0.70 | 50.7 | 2 | 1.6 | 408 | 0.21 | <0.05 | 3.9 | 1.350 | 0.17 | 1.0 |
| J597667 | | 5.6 | 36.0 | 0.002 | 0.01 | 0.88 | 46.3 | 1 | 3.3 | 419 | 0.28 | <0.05 | 3.0 | 1.905 | 0.21 | 1.0 |
| J597668 | | 8.7 | 22.6 | <0.002 | 0.01 | 0.70 | 28.0 | 2 | 2.9 | 288 | 0.69 | <0.05 | 7.9 | 0.984 | 0.15 | 2.0 |
| J597669 | | 6.9 | 50.8 | 0.002 | 0.36 | 0.75 | 64.9 | 1 | 5.5 | 241 | 0.35 | <0.05 | 4.1 | 1.805 | 0.35 | 1.5 |
| J597670 | | 8.4 | 20.7 | <0.002 | 0.32 | 0.40 | 13.7 | 1 | 1.9 | 242 | 0.66 | <0.05 | 9.0 | 0.362 | 0.16 | 2.2 |
| J597671 | | 9.0 | 17.8 | <0.002 | 0.09 | 0.46 | 12.7 | 1 | 2.9 | 257 | 0.85 | <0.05 | 9.5 | 0.318 | 0.12 | 1.9 |
| J597672 | | 10.2 | 16.1 | <0.002 | 0.04 | 0.74 | 13.6 | 1 | 2.3 | 264 | 0.87 | <0.05 | 9.0 | 0.329 | 0.15 | 1.8 |
| J597673 | | 7.2 | 53.3 | <0.002 | 0.04 | 0.63 | 26.2 | 1 | 3.1 | 248 | 0.68 | <0.05 | 7.2 | 0.618 | 0.35 | 1.6 |
| J597674 | | 7.6 | 36.1 | 0.003 | 0.16 | 0.80 | 22.0 | 1 | 1.3 | 227 | 0.79 | <0.05 | 8.3 | 0.759 | 0.28 | 1.8 |
| J597675 | | 26.2 | 12.0 | <0.002 | 1.05 | 0.56 | 1.2 | 1 | 1.3 | 13.3 | 0.24 | <0.05 | 3.5 | 0.081 | 0.40 | 0.5 |
| J597676 | | 5.9 | 64.8 | 0.002 | 0.34 | 1.81 | 57.2 | 1 | 4.0 | 248 | 0.41 | <0.05 | 3.7 | 1.825 | 0.34 | 1.0 |
| J597677 | | 7.2 | 14.2 | <0.002 | 0.04 | 1.27 | 28.2 | 1 | 2.8 | 497 | 0.33 | <0.05 | 2.7 | 1.765 | 0.16 | 0.8 |
| J597678 | | 7.5 | 12.6 | 0.004 | 0.04 | 1.12 | 33.3 | 1 | 1.8 | 447 | 0.24 | <0.05 | 2.9 | 1.130 | 0.11 | 0.7 |
| J597679 | | 6.2 | 23.0 | <0.002 | 0.02 | 0.94 | 40.4 | 1 | 5.9 | 379 | 0.26 | <0.05 | 3.0 | 1.490 | 0.15 | 0.9 |
| J597680 | | 4.8 | 25.9 | 0.003 | 0.01 | 0.94 | 46.8 | 2 | 7.6 | 316 | 0.41 | <0.05 | 3.6 | 2.04 | 0.16 | 1.6 |
| J597681 | | 5.0 | 23.9 | <0.002 | <0.01 | 0.80 | 34.5 | 2 | 4.7 | 462 | 0.39 | <0.05 | 3.0 | 1.715 | 0.19 | 1.1 |
| J597682 | | 5.7 | 24.9 | <0.002 | 0.03 | 0.70 | 37.7 | 1 | 2.1 | 332 | 0.47 | <0.05 | 3.4 | 1.630 | 0.16 | 1.0 |
| J597683 | | 4.0 | 16.6 | <0.002 | <0.01 | 0.73 | 48.2 | 1 | 3.0 | 388 | 0.43 | <0.05 | 2.8 | 1.920 | 0.09 | 0.9 |

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**Finalized Date: 27-FEB-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12030883

| 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 |
|---|---|---|---|---|---|---|
| J597664 | | 212 | 0.6 | 46.6 | 75 | 80.7 |
| J597665 | | 197 | 0.6 | 39.9 | 72 | 94.1 |
| J597666 | | 253 | 2.4 | 45.3 | 92 | 62.9 |
| J597667 | | 313 | 3.2 | 24.5 | 104 | 56.0 |
| J597668 | | 155 | 0.8 | 32.2 | 61 | 352 |
| J597669 | | 313 | 14.5 | 35.3 | 164 | 73.3 |
| J597670 | | 48 | 1.8 | 17.3 | 47 | 249 |
| J597671 | | 16 | 1.3 | 22.2 | 40 | 212 |
| J597672 | | 20 | 2.5 | 21.1 | 36 | 315 |
| J597673 | | 59 | 3.1 | 26.0 | 80 | 315 |
| J597674 | | 61 | 2.1 | 28.9 | 54 | 307 |
| J597675 | | 8 | 0.8 | 2.5 | 14 | 18.9 |
| J597676 | | 279 | 32.2 | 19.3 | 118 | 99.5 |
| J597677 | | 230 | 1.6 | 12.7 | 95 | 70.8 |
| J597678 | | 134 | 0.8 | 13.5 | 71 | 59.7 |
| J597679 | | 178 | 3.5 | 17.2 | 72 | 81.6 |
| J597680 | | 201 | 1.8 | 28.9 | 71 | 71.7 |
| J597681 | | 132 | 0.9 | 18.4 | 68 | 60.4 |
| J597682 | | 104 | 1.2 | 18.4 | 93 | 83.7 |
| J597683 | | 144 | 1.1 | 22.1 | 83 | 59.8 |

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# CERTIFICATE OF ANALYSIS TB12030883

| Method | CERTIFICATE COMMENTS |
|---|---|
| ME-MS61 | REE's may not be totally soluble in this method. |