# ASSESSMENT REPORT

describing

## GEOCHEMICAL SAMPLING, PROSPECTING, ROTARY AIR BLAST DRILLING AND DIAMOND DRILLING

at the Rau Project of the

## RACKLA GOLD PROPERTY

ACX 1-83, 112-310; GAM 1-32; GF 3-4; Q 1-26; R 105-108, 159-166, 215-240, 271-328, 341, 343, 417-436, 457-475, 496-527, 540-569, 582-608, 621-643, 656-677, 690-711, 724-775, 788-802, 815-828, 909-925, 956-973, 1004-1021, 1052-1069, 1108-1155, 1162-1205, 1212-1243, 1250-1279, 1282-1293; Rau 9-16, 25-32, 40-96; Rau f 97-100; S 43-92, 93-130, 143-160, 175-186, 205-1244, 1246, 1269-1250

NTS 106C03-06, 106D/01-03, 06-08 and 105M14-15
Latitude 63°57´N to 64°28´N; Longitude 133°18´W to 135°26´W

in the

Mayo Mining District, Yukon Territory

Field work performed from July 17th to October 5th, 2020.

prepared by

ATAC RESOURCES LTD.

by

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**April 2021**

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## INTRODUCTION

The Rau Project is located on the western half of the Rackla Gold Property in east-central Yukon. The Rackla Gold Property comprises a 1,700 $km^2$ area of highly prospective platform to basin facies sedimentary rocks located along the northern edge of the Tintina Gold Belt. Various commodities have been explored for and discovered within the claim block. Historically, this exploration focused on base metal mineralization, while more recent exploration has been directed towards gold potential. The Rau Project is focused around the Tiger gold deposit, an intrusion related, carbonate replacement gold deposit. The property is owned 100% by ATAC Resources Ltd.

This report describes work completed at the Rau Project in 2020, including: geochemical sampling, prospecting, trail building, rotary air blast (RAB) drilling at several targets across the Rau Project and diamond drilling at the Airstrip target. The author participated in the program, reviewed all data relating to this work, and their Statements of Qualifications appear in Appendix I. A Statement of Expenditures is provided in Appendix II.

## PROPERTY LOCATION, CLAIM DATA, ACCESS AND INFASTRUCTURE

The Rau Project consists of 2,791 contiguous mineral claims located from 63°57´N to 64°28´N latitude and stretching from 133°18´W to 134°16´W longitude on NTS map sheets 106D/01-03, 06-08 and 105M14-15 (Figure 1). The claims are all registered with the Mayo Mining Recorder in the name of ATAC Resources Ltd. Specifics concerning claim registration are tabulated below while the locations of individual claims are shown on Figures 2A-C.

**TABLE I: RAU PROJECT CLAIM INFORMATION**

| Claim Name | Claim Number From | Claim Number To | Grant From | Grant To | Expiry |
|---|---|---|---|---|---|
| ACX | 1 | 67 | YD08251 | YD08317 | 2039-04-28 |
| ACX | 68 | | YD08318 | | 2037-04-28 |
| ACX | 69 | 75 | YD08319 | YD08325 | 2039-04-28 |
| ACX | 76 | | YD08326 | | 2037-04-28 |
| ACX | 77 | 80 | YD08327 | YD08330 | 2039-04-28 |
| ACX | 81 | 82 | YD08331 | YD08332 | 2037-04-28 |
| ACX | 83 | 112 | YD08333 | YD08362 | 2039-04-28 |
| ACX | 113 | 114 | YD08363 | YD08364 | 2037-04-28 |
| ACX | 115 | 120 | YD08365 | YD08370 | 2039-04-28 |
| ACX | 121 | | YD08371 | | 2037-04-28 |
| ACX | 122 | 151 | YD08372 | YD08401 | 2039-04-28 |
| ACX | 152 | 153 | YD08402 | YD08403 | 2037-04-28 |
| ACX | 154 | 170 | YD08404 | YD08420 | 2039-04-28 |
| ACX | 171 | 186 | YD08421 | YD08436 | 2037-04-28 |
| ACX | 187 | 206 | YD08437 | YD08456 | 2039-04-28 |

| | | | | | |
|---|---|---|---|---|---|
| ACX | 207 | | YD08457 | | 2037-04-28 |
| ACX | 208 | | YD08458 | | 2039-04-28 |
| ACX | 209 | 212 | YD08459 | YD08462 | 2037-04-28 |
| ACX | 213 | 218 | YD08463 | YD08468 | 2039-04-28 |
| ACX | 219 | 220 | YD08469 | YD08470 | 2037-04-28 |
| ACX | 221 | 224 | YD08471 | YD08474 | 2039-04-28 |
| ACX | 225 | | YD08475 | | 2037-04-28 |
| ACX | 226 | | YD08476 | | 2039-04-28 |
| ACX | 227 | 229 | YD08477 | YD08479 | 2037-04-28 |
| ACX | 230 | | YD08480 | | 2039-04-28 |
| ACX | 231 | | YD08481 | | 2037-04-28 |
| ACX | 232 | | YD08482 | | 2039-04-28 |
| ACX | 233 | | YD08483 | | 2037-04-28 |
| ACX | 234 | | YD08484 | | 2039-04-28 |
| ACX | 235 | 238 | YD33163 | YD33166 | 2039-04-28 |
| ACX | 239 | | YD33167 | | 2037-04-28 |
| ACX | 240 | | YD33168 | | 2039-04-28 |
| ACX | 241 | | YD33169 | | 2037-04-28 |
| ACX | 242 | | YD33170 | | 2039-04-28 |
| ACX | 243 | | YD33171 | | 2037-04-28 |
| ACX | 244 | | YD33172 | | 2039-04-28 |
| ACX | 245 | 252 | YD33173 | YD33180 | 2037-04-28 |
| ACX | 253 | 258 | YD33181 | YD33186 | 2039-04-28 |
| ACX | 259 | 260 | YD33187 | YD33188 | 2037-04-28 |
| ACX | 261 | | YD33189 | | 2039-04-28 |
| ACX | 262 | | YD33190 | | 2037-04-28 |
| ACX | 263 | | YD33191 | | 2039-04-28 |
| ACX | 264 | | YD33192 | | 2037-04-28 |
| ACX | 265 | | YD33193 | | 2039-04-28 |
| ACX | 266 | | YD33194 | | 2037-04-28 |
| ACX | 267 | | YD33195 | | 2039-04-28 |
| ACX | 268 | | YD33196 | | 2037-04-28 |
| ACX | 269 | 273 | YD33197 | YD33201 | 2039-04-28 |
| ACX | 274 | 282 | YD33202 | YD33210 | 2037-04-28 |
| ACX | 283 | | YD33211 | | 2039-04-28 |
| ACX | 284 | | YD33212 | | 2037-04-28 |
| ACX | 285 | | YD33213 | | 2039-04-28 |
| ACX | 286 | | YD33214 | | 2037-04-28 |
| ACX | 287 | 292 | YD33215 | YD33220 | 2039-04-28 |
| ACX | 293 | 310 | YD33221 | YD33238 | 2037-04-28 |
| Gam | 1 | | YC98437 | | 2035-04-28 |
| Gam | 22 | | YE65090 | | 2030-05-25 |
| GF | 3 | | YC32305 | | 2044-04-28 |

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|---|---|---|---|---|---|
| Q | 1 | 13 | YC92361 | YC92373 | 2041-04-28 |
| Q | 14 | | YC92470 | | 2041-04-28 |
| Q | 15 | 26 | YC92375 | YC92386 | 2041-04-28 |
| R | 105 | 108 | YC68438 | YC68441 | 2043-04-28 |
| R | 159 | 166 | YC68492 | YC68499 | 2043-04-28 |
| R | 215 | 234 | YC68548 | YC68567 | 2043-04-28 |
| R | 235 | 238 | YC68568 | YC68571 | 2040-04-28 |
| R | 239 | 240 | YC68572 | YC68573 | 2038-04-28 |
| R | 271 | 328 | YC68604 | YC68661 | 2043-04-28 |
| R | 341 | | YC68674 | | 2036-04-28 |
| R | 343 | | YC68676 | | 2036-04-28 |
| R | 417 | 434 | YC68750 | YC68767 | 2043-04-28 |
| R | 435 | 436 | YC68768 | YC68769 | 2036-04-28 |
| R | 457 | 467 | YC68790 | YC68800 | 2043-04-28 |
| R | 468 | 473 | YC68801 | YC68806 | 2047-04-28 |
| R | 474 | 475 | YC68807 | YC68808 | 2043-04-28 |
| R | 496 | 501 | YC68829 | YC68834 | 2043-04-28 |
| R | 502 | 508 | YC68835 | YC68841 | 2047-04-28 |
| R | 509 | 527 | YC68842 | YC68860 | 2043-04-28 |
| R | 540 | 543 | YC68873 | YC68876 | 2043-04-28 |
| R | 544 | 551 | YC68877 | YC68884 | 2047-04-28 |
| R | 552 | 569 | YC68885 | YC68902 | 2043-04-28 |
| R | 582 | 584 | YC68915 | YC68917 | 2043-04-28 |
| R | 585 | 590 | YC68918 | YC68923 | 2047-04-28 |
| R | 591 | 608 | YC68924 | YC68941 | 2043-04-28 |
| R | 621 | 625 | YC68954 | YC68958 | 2047-04-28 |
| R | 626 | 627 | YC68959 | YC68960 | 2046-04-28 |
| R | 628 | 643 | YC68961 | YC68976 | 2043-04-28 |
| R | 656 | 659 | YC68989 | YC68992 | 2047-04-28 |
| R | 660 | 663 | YC68993 | YC68996 | 2046-04-28 |
| R | 664 | 677 | YC68997 | YC69010 | 2043-04-28 |
| R | 690 | 691 | YC69023 | YC69024 | 2043-04-28 |
| R | 692 | 695 | YC69025 | YC69028 | 2047-04-28 |
| R | 696 | 701 | YC69029 | YC69034 | 2046-04-28 |
| R | 702 | 711 | YC69035 | YC69044 | 2043-04-28 |
| R | 724 | 727 | YC69057 | YC69060 | 2043-04-28 |
| R | 728 | | YC69061 | | 2047-04-28 |
| R | 729 | | YC69062 | | 2043-04-28 |
| R | 730 | | YC69063 | | 2046-04-28 |
| R | 731 | | YC69064 | | 2047-04-28 |
| R | 732 | 735 | YC69065 | YC69068 | 2046-04-28 |
| R | 736 | 745 | YC69069 | YC69078 | 2043-04-28 |
| R | 758 | 759 | YC69091 | YC69092 | 2043-04-28 |

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|---|---|---|---|---|---|
| R | 760 | 761 | YC69093 | YC69094 | 2047-04-28 |
| R | 762 | | YC69095 | | 2046-04-28 |
| R | 763 | | YC69096 | | 2047-04-28 |
| R | 764 | 765 | YC69097 | YC69098 | 2046-04-28 |
| R | 766 | | YC69099 | | 2043-04-28 |
| R | 767 | | YC69100 | | 2046-04-28 |
| R | 768 | 775 | YC69101 | YC69108 | 2043-04-28 |
| R | 788 | 790 | YC69121 | YC69123 | 2047-04-28 |
| R | 791 | 794 | YC69124 | YC69127 | 2046-04-28 |
| R | 795 | 802 | YC69128 | YC69135 | 2043-04-28 |
| R | 815 | 816 | YC69148 | YC69149 | 2047-04-28 |
| R | 817 | 820 | YC69150 | YC69153 | 2046-04-28 |
| R | 821 | 828 | YC69154 | YC69161 | 2043-04-28 |
| R | 909 | 913 | YC69242 | YC69246 | 2047-04-28 |
| R | 914 | 915 | YC69247 | YC69248 | 2046-04-28 |
| R | 916 | 925 | YC69249 | YC69258 | 2043-04-28 |
| R | 956 | 961 | YC69289 | YC69294 | 2047-04-28 |
| R | 962 | 963 | YC69295 | YC69296 | 2046-04-28 |
| R | 964 | 973 | YC69297 | YC69306 | 2043-04-28 |
| R | 1004 | | YC69337 | | 2047-04-28 |
| R | 1005 | | YC69338 | | 2043-04-28 |
| R | 1006 | 1009 | YC69339 | YC69342 | 2047-04-28 |
| R | 1010 | 1011 | YC69343 | YC69344 | 2046-04-28 |
| R | 1012 | 1021 | YC69345 | YC69354 | 2043-04-28 |
| R | 1052 | 1053 | YC69385 | YC69386 | 2043-04-28 |
| R | 1054 | 1057 | YC69387 | YC69390 | 2047-04-28 |
| R | 1058 | 1061 | YC69391 | YC69394 | 2046-04-28 |
| R | 1062 | | YC69395 | | 2043-04-28 |
| R | 1063 | | YC69396 | | 2046-04-28 |
| R | 1064 | 1069 | YC69397 | YC69402 | 2043-04-28 |
| R | 1108 | 1109 | YC69441 | YC69442 | 2043-04-28 |
| R | 1110 | | YC69443 | | 2047-04-28 |
| R | 1111 | | YC69444 | | 2043-04-28 |
| R | 1112 | 1113 | YC69445 | YC69446 | 2047-04-28 |
| R | 1114 | 1119 | YC69447 | YC69452 | 2046-04-28 |
| R | 1120 | | YC69453 | | 2043-04-28 |
| R | 1121 | | YC69454 | | 2046-04-28 |
| R | 1122 | 1131 | YC69455 | YC69464 | 2043-04-28 |
| R | 1132 | 1155 | YC69465 | YC69488 | 2036-04-28 |
| R | 1162 | 1163 | YC69495 | YC69496 | 2047-04-28 |
| R | 1164 | 1169 | YC69497 | YC69502 | 2046-04-28 |
| R | 1170 | 1181 | YC69503 | YC69514 | 2043-04-28 |
| R | 1182 | 1205 | YC69515 | YC69538 | 2036-04-28 |

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|---|---|---|---|---|---|
| R | 1212 | 1213 | YC69545 | YC69546 | 2047-04-28 |
| R | 1214 | | YC69547 | | 2046-04-28 |
| R | 1215 | 1219 | YC69548 | YC69552 | 2043-04-28 |
| R | 1220 | 1243 | YC69553 | YC69576 | 2036-04-28 |
| R | 1250 | 1251 | YC69583 | YC69584 | 2043-04-28 |
| R | 1252 | 1279 | YC69585 | YC69612 | 2036-04-28 |
| R | 1282 | 1293 | YC69615 | YC69626 | 2036-04-28 |
| Rau | 9 | 10 | YC50276 | YC50277 | 2039-04-28 |
| Rau | 11 | | YC50278 | | 2051-04-28 |
| Rau | 12 | | YC50279 | | 2043-04-28 |
| Rau | 13 | 16 | YC50280 | YC50283 | 2051-04-28 |
| Rau | 25 | 31 | YC50292 | YC50298 | 2043-04-28 |
| Rau | 32 | | YC50299 | | 2051-04-28 |
| Rau | 40 | 44 | YC50307 | YC50311 | 2043-04-28 |
| Rau | 45 | 48 | YC50312 | YC50315 | 2051-04-28 |
| Rau | 49 | 53 | YC50316 | YC50320 | 2043-04-28 |
| Rau | 54 | 64 | YC50321 | YC50331 | 2051-04-28 |
| Rau | 65 | 68 | YC57529 | YC57532 | 2036-04-28 |
| Rau | 69 | | YC57533 | | 2044-04-28 |
| Rau | 70 | | YC57534 | | 2046-04-28 |
| Rau | 71 | | YC57535 | | 2044-04-28 |
| Rau | 72 | | YC57536 | | 2047-04-28 |
| Rau | 73 | | YC57537 | | 2043-04-28 |
| Rau | 74 | | YC57538 | | 2047-04-28 |
| Rau | 75 | | YC57539 | | 2043-04-28 |
| Rau | 76 | | YC57540 | | 2047-04-28 |
| Rau | 77 | 80 | YC57541 | YC57544 | 2043-04-28 |
| Rau | 81 | 84 | YC57545 | YC57548 | 2046-04-28 |
| Rau | 85 | 86 | YC57549 | YC57550 | 2047-04-28 |
| Rau | 87 | 96 | YC57551 | YC57560 | 2044-04-28 |
| Rau f | 97 | 98 | YC69925 | YC69926 | 2045-04-28 |
| Rau f | 99 | | YC69961 | | 2044-04-28 |
| Rau f | 100 | | YC69962 | | 2037-04-28 |
| S | 43 | 92 | YC90843 | YC90892 | 2041-04-28 |
| S | 93 | 130 | YC90893 | YC90930 | 2034-04-28 |
| S | 143 | 160 | YC90943 | YC90960 | 2034-04-28 |
| S | 175 | 186 | YC90975 | YC90986 | 2034-04-28 |
| S | 205 | 700 | YC91005 | YC91500 | 2034-04-28 |
| S | 701 | 842 | YC91901 | YC92042 | 2034-04-28 |
| S | 843 | | YC92355 | | 2034-04-28 |
| S | 844 | 860 | YC92044 | YC92060 | 2034-04-28 |
| S | 861 | 878 | YC92061 | YC92078 | 2033-04-28 |
| S | 879 | 896 | YC92079 | YC92096 | 2034-04-28 |

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|---|---|---|---|---|---|
| S | 897 | 912 | YC92097 | YC92112 | 2033-04-28 |
| S | 913 | 932 | YC92113 | YC92132 | 2034-04-28 |
| S | 933 | 946 | YC92133 | YC92146 | 2033-04-28 |
| S | 947 | 968 | YC92147 | YC92168 | 2034-04-28 |
| S | 969 | 980 | YC92169 | YC92180 | 2033-04-28 |
| S | 981 | 1001 | YC92181 | YC92201 | 2034-04-28 |
| S | 1002 | 1013 | YC92202 | YC92213 | 2033-04-28 |
| S | 1014 | 1036 | YC92214 | YC92236 | 2034-04-28 |
| S | 1037 | 1044 | YC92237 | YC92244 | 2033-04-28 |
| S | 1045 | 1070 | YC92245 | YC92270 | 2034-04-28 |
| S | 1071 | 1078 | YC92271 | YC92278 | 2033-04-28 |
| S | 1079 | 1106 | YC92279 | YC92306 | 2034-04-28 |
| S | 1107 | 1114 | YC92307 | YC92314 | 2033-04-28 |
| S | 1115 | 1154 | YC92315 | YC92354 | 2034-04-28 |
| S | 1155 | 1244 | YD09635 | YD09724 | 2028-03-01 |
| S | 1246 | | YD09726 | | 2029-03-01 |
| S | 1249 | 1250 | YD09729 | YD09730 | 2028-03-01 |

**Expiry dates include 2020 work which has been filed for assessment and has received assessment credit.*

The Rau Project is centered approximately 100 km northeast of Mayo, the nearest supply centre. The closest road access is to the community of Keno City, situated about 49 km by road northeast of Mayo and 55 km by air southwest of the property. Mayo and Keno City can be reached in all seasons by two-wheel drive vehicles using the Yukon highway system. The Wind River trail crosses the western portion of the property and is also accessible via the Yukon highway system from McQuesten Lake near Keno City (Figure 3). This winter trail has been used intermittently by various exploration companies since it was built in the late 1960s.

Access to the project in 2020 was by fixed wing via Mayo to the Rau airstrip, approximately 95 km northeast of Mayo. Alkan Air provided the project's service flights between Mayo and the Rau airstrip utilizing a Cessna 208B Grand Caravan. The locations of the Rau airstrip and Rau camp are shown on Figure 3. All drill core is stored at south end of Rau Camp. Access to work areas on the project was provided by Horizon Helicopters utilizing Airbus helicopters.

In 2020, Horizon Helicopter crews flew an excavator located at Nadaleen Camp, approximately 100 km east, to the Rau airstrip. The excavator was used to build a trail from the airstrip to the Airstrip target, while aiding in building drill pads, with the goal of eventually connecting the new trail with the trail extending south-east of the Rau camp.

## HISTORY AND PREVIOUS WORK

The earliest reported exploration within the area of the Rau Project occurred in 1922 following the discovery of silver mineralization at Keno Hill; prospectors first identified and staked mineralized float occurrences at Carpenter Ridge in the far northwest corner of the current

property. In 1924, reconnaissance work conducted by the Geological Survey of Canada discovered galena-calcite-siderite in float on the southwest end of Carpenter Ridge. A sample of this float returned 8.75 oz. silver and 56.0% lead (Cockfield, 1925); however, the source of this mineralization was not found. Hand pits were dug in 1927 and 1928 but little record remains of the work completed during this period. All claims were ultimately dropped.

Nearby at Grey Copper Hill, 9 km to the southeast, silver-rich tetrahedrite float was discovered in 1923 by an independent prospector. This showing and other nearby prospects were staked later that year. Several investigatory adits were dug into the hillside during follow up exploration but eventually all claim holdings lapsed.

Between 1930 and 1974 Grey Copper Hill was staked several times by independent prospectors and exploration companies, including Cypress Resources Limited and United Keno Hill Mines Limited. Little work was reported (Hilker, 1969) and all claims ultimately expired.

In 1974, Hesca Resources Corporation Ltd re-staked Grey Copper Hill and conducted prospecting, soil sampling, hand trenching and adit maintenance. In addition, two shallow, small diameter diamond drill holes totalling 56.3 m were drilled; however, the results from this drilling are not documented. No further work was done by Hesca and the claims were dropped (Deklerk and Traynor, 2005).

In spring 1978 Prism Resources Limited re-staked the area and conducted prospecting and geochemical sampling later that year. Soil sampling identified several lead and silver anomalies; however, follow up prospecting failed to explain them (Sivertz, 1979). A sample collected from an outcrop of dolomite yielded 0.60% lead and 51.43 g/t silver, while a tetrahedrite sample collected near an old adit assayed 7,000 g/t silver (Sivertz, 1980). Prism allowed the claims to lapse.

In 1983, Grey Copper Hill was again restaked by a prospector who conducted grid soil sampling later that year. This program delineated silver anomalies coincident with surface lineations. No further work was completed and the claims expired.

In 1988 Bonventures Limited staked the area and conducted limited blast trenching, prospecting, mapping plus soil and rock sampling. A gossan zone with pyrite and strong fracture filling malachite and azurite was identified between two collapsed adits (Carlyle, 1989). These claims eventually lapsed.

The area remained open until August of 2005 when an independent prospector staked four claims over the Grey Copper Hill showing. These four claims were subsequently optioned by Metallic Minerals Corp. and are now surrounded by the Rackla Gold Property.

In 1968, approximately 45 km to the southeast, Cominco Limited staked the Beaver claims based on results of regional geochemical sampling done the year before. Later that year, L. Elliott staked

the nearby Now claims and optioned them to Cominco, which completed mapping and soil sampling in 1968 and 1969 (Johnson and Richardson, 1969a and 1969b).

In 1977, Prism Joint Venture (Asamera Oil Corp, Chieftain Development Company Limited, Prism Resources Ltd, Siebens Oil & Gas Limited and E & B Exploration Limited) restaked Cominco's claims as part of a larger block that extended for about 20 km along the north side of the Beaver River. In 1979, Dome Petroleum Ltd replaced Siebens in the joint venture.

Prism conducted most of its activities around the original Beaver claims. Soil sampling and mapping were performed in 1977 (Montgomery and Dewonck, 1978) and additional soil sampling and trenching were done in 1978 (Prism Joint Venture, 1979a). In 1979 Prism completed six diamond drill holes totalling 610 m (Dewonck, 1980). This work focused primarily on sedimentary exhalite and Mississippi Valley type lead-zinc mineralization but resulted in the discovery of a narrow gold-rich vein (the Now Showing).

NDU Resources Ltd. staked claims over the Now Showing in 1987 to cover the lead, zinc and silver soil geochemical anomalies identified by Cominco and Prism. The following year, NDU conducted a geochemical sampling program which focused on the gold vein mineralization at the Now Showing (Cathro, 1989).

In 1977, 6.25 km further to the northwest, Prism conducted mapping, soil sampling and electromagnetic surveys. Numerous soil samples returned elevated zinc-in-soil values ranging from 2,100 ppm to 12.20% Zn, with one sample from a large gossan at Ocelot yielding 3.80 g/t Ag, 800 ppm Pb and 12.20% Zn (Montgomery and Cavey, 1978), suggesting the metals were leached and remobilized in acidic groundwater before being reprecipitated when the fluids were neutralized. Prism also performed minor soil sampling near a strong gossan developed 19 km to the east (Kathy) (Prism Joint Venture, 1979b).

In 1979 and 1980, Prism explored in two areas approximately 16 km southeast of the current Ocelot Showing and conducted prospecting, soil geochemical sampling and one diamond drill hole. This work led to the discovery of scheelite mineralization at the Blue Lite and Flat Top Showings. Well mineralized tremolite skarn specimens from the Flat Top Showing assayed up to 8.4% $WO_3$, but most material graded below 0.04% (Churchill, 1980). No further work was done at either showing.

ATAC's interest in the area was prompted by an isolated, high gold value (150 ppb) reported by a regional-scale stream sediment geochemical survey, conducted by the Geological Survey of Canada (Hornbrook et al., 1990). This value is in the 99$^{th}$ percentile of gold results from the survey and is supported by a 99$^{th}$ percentile tungsten value (25 ppm). The sample was collected near the Rackla Pluton, east of the Tiger Deposit.

In summer 2006, ATAC staked 64 claims to cover the anomalous drainage. During the staking, a number of rock and soil samples were collected, many of which returned anomalous values for tungsten and a few were notably enriched in gold, lead, zinc, silver and copper. Cursory

prospecting relocated scheelite-bearing tremolite skarn (Flat Top Showing) and discovered tungsten in diopside-actinolite skarn and highly fractionated intrusive rocks, about 1,500 m to the south.

In 2007 ATAC completed geological mapping, prospecting, grid soil sampling and helicopter-borne variable time-domain electromagnetic (VTEM) surveys (Eaton and Panton, 2008). This work partially delineated a large hydrothermal system centered on the largely buried Rackla Pluton. Following that program, ATAC staked an additional 32 claims, mostly to improve coverage around a very strong gold-in-soil anomaly outlined on the western edge of the grid.

ATAC and Yankee Hat Minerals Limited signed an option agreement in spring 2008 concerning 40 claims that covered the Rackla Pluton and the tungsten-bearing skarns. During the summer of 2008 Yankee Hat conducted prospecting and a total of 437.38 m of diamond drilling in three holes. Several narrow skarn bands with weak to moderate tungsten mineralization were identified within the carbonate host rocks. The option agreement was terminated in late 2008 following poor results and the claims were returned to ATAC (Dumala, 2008).

Additionally, in 2008, ATAC conducted geological mapping, soil sampling and silt sampling and 3,423.21 m of diamond drilling in 18 holes and a property-wide helicopter-borne magnetic variable time-domain electromagnetic (VTEM) surveys on the claims not covered by the Yankee Hat option agreement. Diamond drilling identified three stacked, gold-bearing horizons in what is now known as the Tiger Deposit. In response to positive results, ATAC added 1,340 claims to cover the favourable stratigraphy along the anomalous trend (Dumala, 2009).

In 2009 ATAC continued to delineate the Tiger Deposit with an additional 58 diamond drill holes totalling 9,578.30 m. Drilling identified a significant oxide component to the northwest, within the Tiger Deposit. Prospecting in 2009 also identified several new showings containing mineralization similar to that found at the Tiger Deposit. These include the Cub, Lion, Jaguar, Panther, Cougar, Puma, Cheetah and Lynx Showings (Dumala and Lane, 2010).

In 2010 ATAC continued definition drilling at the Tiger Deposit resulting in the completion of a mineral resource estimate of the sulphide and oxide horizons. Results of the resource estimate using a 0.3 g/t gold cut off yield an indicated resource estimate of 508,000 ounces of gold (7,150,000 tonnes at an average grade of 2.21 g/t) and an inferred resource estimate of 290,200 ounces of gold (8,280,000 tonnes at an average grade of 1.09 g/t) for the oxide and sulphide horizons combined (Stroshein et al., 2011).

Additionally, in 2010, prospecting at the geochemically anomalous Ocelot Showing resulted in the discovery of high-grade Ag-Pb-Zn massive sulphide mineralization. Grab samples from this area included 2,100 g/t Ag, 55.33% Pb and 62 g/t In (Dumala, 2011).

In 2011 ATAC drilled 19 holes totaling 3,784.75 m at the Ocelot target beneath a known but previously undrilled surface gossan. The best grade intervals yielded 145.43 g/t silver, 3.36% lead and 11.65% zinc across 41.72 m and 188.07 g/t silver, 8.69% lead and 6.06% zinc over 37.91 m in

semi-massive to massive sulphide mineralization. Drilling by the end of the 2011 season identified mineralization over a 230 m strike length and to a depth of 150 m. (Dumala, 2012a).

Additionally, in 2011 ATAC drilled 10 holes totaling 2,113.2 m of diamond drilling at the Now Showing (3 holes), Puma Showing (2 holes), Cheetah Showing (3 holes), and Kathy Showing (2 holes). Weakly anomalous gold, silver, lead and zinc values were intersected in one Now drill hole. Puma and Cheetah drilling intersected weak gold mineralization; while Kathy drilling intersected no significant results (Dumala, 2012b).

In 2012 ATAC completed metallurgical testing, heritage resources assessment and ongoing environmental monitoring in relation to the Tiger Deposit (Carne and Lane, 2013). ATAC also completed mapping, geochemical sampling, prospecting and hand trenching on portions of the Rau trend in 2012 (Lane et al., 2013).

In 2013 1,229 soil and 348 rock samples were collected in seven target areas in the Rau Trend. This exploration focused on assessing gold potential at known mineralized showings and geochemical targets. Emphasis at the mineralized targets was directed to follow up of geochemical anomalies that occurred in proximity to receptive stratigraphy (Lane and Phillips, 2014)

In 2014 ATAC also conducted a small hand pitting and mapping program at the Puma Zone, as well as contour and grid sampling in the central region of the property. Samples collected at Puma returned values ranging from below detection limit to a maximum value of 4.21 g/t Au. The mineralized rock samples supported the hypothesis that the gold at the Puma target may be sourcing from the Puma fault. No significant gold values were returned from the soil sampling program, while arsenic values ranged from below detection limit to a maximum value of 4,310 ppm (Lane and Phillips, 2015).

Additionally, in 2014 ATAC released a maiden Preliminary Economic Assessment (PEA) on the Tiger Deposit. The technical report (Kappes et al., 2014) should be reviewed for details of this PEA.

In 2015, ATAC conducted a program of grid/contour soil sampling, prospecting, and 1,814.23 m of diamond drilling in 20 holes, 18 at Tiger and 2 a Puma. Diamond drilling at Puma confirmed the presence of oxide development and revealed karst development, with highest grade returning 1.45 g/t Au of 3.05 m in PM-15-004. Rock sampling in 2015 returned highlight samples including 5.02 g/t Au at Cheetah and 2.60 g/t Au at Panther (Lane and Phillips, 2016).

An updated Mineral Resource estimate and PEA was completed by ATAC in 2016 that incorporated 2015 diamond drilling. Mineral resources were reported using 0.5 g/t gold and 1.0 g/t gold cut-offs for oxide sulphide mineralization, respectively. The Tiger Deposit contains an estimated 485,700 oz gold in the measured and indicated categories (5,680,000 tonnes grading 2.66 g/t gold) and 188,500 oz gold in the inferred category (3,230,000 tonnes grading 1.81 g/t

gold). The technical report (Ghaffari et al., 2016) should be reviewed for details of the updated Mineral Resource and PEA.

In 2016, ATAC completed additional geochemical sampling and 466.33 m of RAB drilling at the Airstrip and Bengal anomalies. Significant interval results from RAB drilling include: 1.04 g/t Au over 6.10 m in hole ASR-16-004; 3.68 g/t Au over 1.52 m in hole ASR-16-005; and 1.43 g/t Au over 13.71 m in hole ASR-16-006. No anomalous gold was intersected in the RAB holes at Bengal, although there was an elevated zinc response in pyritic shale. Additionally, a LiDAR survey near the Tiger Deposit, Airstrip Anomaly and several creek crossings along the proposed Rau Tote Road Route was also completed in 2016 (Lane and Cruz, 2017).

In 2017, ATAC completed 1,371.29 m of diamond drilling in 12 holes at the Tiger Deposit to demonstrate the potential to expand high-grade oxide gold mineralization along the Tiger Fault to the southeast. Drilling at Tiger East highlighted the potential for mineralization along the southeastern edge of the limit of the proposed pit. Additionally, prospecting along trend of the Tiger Deposit identified multiple new and existing targets, with highlights of: 1.43 g/t Au and 4.14% Zn at the Northwest Target; and 17.00 g/t Au with 378 g/t Ag at Condor (Dumala, 2018).

In 2018, ATAC conducted a program consisting of a grid and contour soil sampling and a broad prospecting program. An expanded soil sample grid at Spotlight identified a west-trending, 2.2 km long gold-in-soil anomaly. Highlight results from 2018 work include rock samples including 6.07g/t Au, 7.41g/t Cu and 157g/t Ag at Bobcat; rock samples up to 4,090 g/t Ag at the main Spotlight target, and 2.17 g/t Au from samples 1.2 km west of the target; grid pitting of a vegetation anomaly at Condor yielded samples with varying amounts of Au-Ag-Zn-Pb; Panther had peak grab samples values of 4.61 g/t Au, with no significant mineralization returned at Puma (Coulter and Carne, 2019).

In 2019, ATAC completed 2,675.01 m of diamond drilling in 12 holes at Bobcat, Kathy, and Tiger with 267.01 m of RAB drilling in 7 holes at Bobcat and Kathy. Diamond and RAB drilling at Bobcat and Kathy were first-pass drill attempts to follow-up on high grade Cu-Au skarn mineralization and geophysical anomalies returning numerous, thin skarn vein and pegmatite dyke intersections with highlight of 17.75 g/t Au over 0.51 m (from 31.00 m). Four step-out holes at the Tiger Deposit were focused on testing oxide material observed at surface to the south-east of the 2016 PEA pit, which demonstrated potential for further expansion in the area. Highlight rock sample results from a broad-scale prospecting program include: 41.90 g/t Au with 10.55% Cu at Bobcat; 643 g/t Ag and 6.39% Cu at Kathy; 2.87 g/t Au near Blue Lite and Spotlight; and, 48.30 g/t Au and 0.34% Cu at Tiger (Schneebeli and Coulter, 2020).

## GEOMORPHOLOGY AND CLIMATE

The core portion of the Rau Project is situated in the Nadaleen Range of the Selwyn Mountains and is drained by creeks that flow into the Rackla and Beaver Rivers, which are both part of the Yukon River watershed. Local topography is alpine to subalpine and features north and south-trending rocky spurs and valleys that flank a main east-west trending ridge. Elevations range from

725 m alongside the Beaver River in the centre of the claim block to 1,800 m atop a peak, referred to as Monument Hill. Outcrop is most abundant near ridge crests and in actively eroding creek beds. Most hillsides are talus covered at higher elevations and are blanketed by glacial till at lower elevations. Soil development is moderate to poor in most areas.

Treeline in the vicinity of the property is at about 1,500 m. Slopes above that elevation are weakly vegetative with willow, buckbrush and grass. The density and size of vegetation gradually increases on lower slopes, and the valley floors are well treed with mature black spruce. Understorey typically consists of low shrubs and moss. Moderately steep, south facing slopes are well drained and are often lightly forested with poplar. Steep, north facing slopes are usually not vegetated. Gentler, spruce- and moss-covered terrain likely exhibits widespread permafrost.

## REGIONAL GEOLOGY

The Geological Survey of Canada performed geological mapping in the vicinity of the Rau Project at 1:250,000 scale in the 1960s (Green, 1972) and 1970s (Blusson, 1978). More recent mapping in the area was completed at 1:50,000 scale by Indian and Northern Affairs Canada (Abbott, 1990 and Roots, 1990).

The Rau Project lies within a band of regional scale thrust and high angle reverse faults that imbricate rocks of Selwyn Basin and Mackenzie Platform (Figures 4, 5 and 6). Selwyn Basin stratigraphy consists of regionally metamorphosed, basinal sediments of Neoproterozoic to Paleozoic age. Mackenzie Platform stratigraphy comprises dominantly shallow water carbonate and clastic sediments that were deposited from Mid-Proterozoic through Paleozoic times. Both packages of sediments were deposited on the western margin of ancestral North America.

Thrust faults were active during Jurassic to Cretaceous times (160 to 130 Ma), when the area underwent compressional orogenesis related to large-scale plate convergence (Fingler, 2005). During the Late Cretaceous (94-90 Ma), intermediate to felsic plutons of the Tombstone Suite were emplaced (Mortensen et al., 2000). Another compressional orogenic event, which occurred about 65 Ma, was accompanied by emplacement of felsic intrusions assigned to the McQuesten Suite.

The regional scale Tombstone, Dawson and Robert Service thrust faults in addition to a number of smaller scale thrust faults affect stratigraphy along the trend of the Rau Project. All thrusts verge north-easterly and predate emplacement of the Tombstone Suite intrusions. The thrust panel that contains the Rau Project approximately straddles the boundary between Selwyn Basin and Mackenzie Platform and includes units belonging to both tectonic elements. Table I contains a brief summary of the main lithologies in the area of the Rau Project.

**Table II: Regional Lithological Units (after Roots *in* Cathro, 2006)**

| Tectonic Element | Age (Ma) | Unit and Lithologies |
|---|---|---|

| | | |
|---|---|---|
| Rocks of Ancestral North America | | |
| Mackenzie Platform | 1700 - 1800 | Gillespie Lake Group: orange-brown dolostone and sandstone. |
| Mackenzie Platform | 540 - 390 | Bouvette Formation: white and grey limestone with rare black shale. |
| Mackenzie Platform | 540 - 420 | Marmot Formation: dark green to brown mafic, vesicular and amygdaloidal volcanic flows. |
| Selwyn Basin | 750? - 530 | Hyland Group: brown quartz-mica schist, with rare limestone. |
| Selwyn Basin | 530 - 500 | Gull Lake Formation: brown and green shale, sandstone, conglomerate and volcanic tuff. |
| Selwyn Basin | 500 - 480 | Rabbitkettle Formation: dark silty limestone and limy mica-rich conglomerate. |
| Selwyn Basin | 480 - 390 | Road River Group: black shale, chert and limy siltstone. |
| Rock formed before orogenic event | | |
| | 390 - 350 | Earn Group: black shale and chert with lesser pebble conglomerate, sandstone and grit. |
| | 340 | Keno Hill Quartzite: grey metamorphosed sandstone, minor black shale and phyllite. |
| Rocks formed during orogenic event | | |
| | 225 | Galena Suite intrusions: brown and green diorite and gabbro. |
| | 200 - 250 | Jones Lake and Mt. Christie Formations: sandstone, brown shale and dark limestone. |
| Rocks formed after orogenic event | | |
| | 90 - 94 | Tombstone Suite intrusions: granite and granodiorite. |
| | 62 - 67 | McQuesten Suite intrusions: granite with two types of mica. |
| Sediments younger than 3 Ma | | |
| | 0 - 3 | Overburden: ice-deposited sand and gravel; river silt. |

## PROPERTY GEOLOGY

Only limited detailed geological mapping has been conducted within the Rau Project. Most work prior to 2019 focused within the favourable Bouvette Formation stratigraphy in close proximity to the Tiger Deposit.

The Rau Trend lies within a northwest trending thrust package bound to the south by the Dawson Thrust and to the north by the Kathleen Lakes Fault. Property scale geology is illustrated on Figures 4 and 5. Stratigraphy within this package forms open folds that are aligned parallel to the thrusts and plunge gently to the southeast. Several high angle faults, which parallel the general structural trend, are inferred on the property and others could be present. One or more of these faults may have acted as a conduit for mineralizing fluids.

The **Bouvette Formation** is the most abundant inferred rock type shown on government based maps and is the principal focus of ATAC's exploration. It can be divided into three main units which young to the northeast. In order from oldest to youngest:

1) **Cambrian and Ordovician (COd)** – massive pale grey dolostone, oncolitic dolostone, minor quartzite and sandy dolostone.
2) **Ordovician and/or Silurian (OSl)** – thin to medium bedded grey and buff weathering silty limestone; massive white limestone, well bedded tan and grey limestone in the upper part of the unit.
3) **Silurian and Devonian (SDc)** – thick bedded to massive light grey dolostone and limestone. Dark grey, fetid limestone containing "two hole" and "star" crinoids at the top of the unit.

The thickness of the Bouvette Formation on the property is estimated to be at least 1,400 m. The primary focus of mapping to date has been limited to the area around Monument Hill and the Tiger Deposit within the Ordovician-Silurian strata hosting carbonate gold replacement mineralization. Elsewhere the Bouvette Formation has not been mapped in detail and remains undifferentiated.

The **Marmot Formation (OSv)** consists of thin volcaniclastic horizons that are interbedded with the Ordovician and/or Silurian Bouvette Formation. The horizons range from a few metres to about 20 m thick and comprise dark green to brown weathering mafic, vesicular volcanic flows, carbonate-cemented hyaloclastic breccias and volcanic-derived sandstone, grit and pebble and cobble conglomerate. Locally these horizons are magnetic. Although the Marmot Formation is volumetrically insignificant, it appears to have played an important role in localizing mineralization in the underlying carbonate by acting as an impermeable cap.

Devonian and Mississippian **Earn Group (DMs)** is located in the southern half of the property and bounds the Bouvette Formation to the south, east and north. This unit is generally recessive weathering and is mostly composed of black shale and chert. To the south a high angle normal fault places Earn Group against Bouvette Formation, while a thrust fault marks the southeastern contact. To the north, the Earn Group conformably lies above Cambrian to Permian shale and limestone, which has been placed against the Bouvette Formation by another high angle fault.

The central part of the property hosts numerous dykes and sills believed to represent a roughly 1000 m diameter granitic plug referred to as the "**Rackla Pluton (Pgg)**". The plug is mostly

composed of coarse grained, equigranular, biotite-and muscovite-bearing granite that is locally miarolitic (Panton 2008). The dykes and sills typically range between 30 cm and 7 m in thickness. They are often more fractionated than the plug and include garnet bearing aplite and coarse pegmatite that locally features beryl, amazonite (a green variety of feldspar) and one or more tourmaline minerals (rubellite, indigolite and schorl). The pegmatite bodies comprise mainly orthoclase and quartz but often exhibit abundant lithium-and vanadium-rich micas on their margins.

On surface, the Rackla Pluton is mostly covered by glacial till and only aplite and pegmatite sills and dykes are visible. The pluton is best delineated by its airborne magnetic signature. At the property scale the pluton is represented by a strong magnetic high. When the data is collapsed to the area immediately surrounding the pluton and a high-pass filter is applied, the signature shows a core magnetic low with a fringing magnetic high.

Analysis of several small bodies of granitic aplite and pegmatite have yielded 40Ar/39Ar muscovite ages of 62.3 ± 0.7 Ma, 62.4 ± 1.8 Ma and 59.1 ± 2.0 Ma (Kingston, 2009 and Kingston et al., 2010). Based on this data and the composition of the intrusion, Kingston concludes that the Rackla Pluton does not likely belong to the McQuesten Suite (65.2 ± 2.0 Ma).

Skarn and minor hornfels are developed locally within the Bouvette Formation proximal to the intrusions. Skarn grades from distal tremolite-rich (iron-deficient) facies, which are most abundant near the Flat Top Showing (about 1000 m northwest of the pluton), to proximal actinolite-diopside ± garnet ± pyrrhotite (iron-rich) facies, which are found closer to the pluton and on the margins of some dykes and sills. Massive skarns are mostly developed at contacts between limestone and volcaniclastic horizons. Hornfels is restricted to thin volcaniclastic layers within the Marmot Formation. It is normally rusty weathering and often contains disseminated to semi-massive pyrrhotite. Limestone and dolomite are locally altered to marble and often contain disseminated, light grey scapolite crystals. The scapolite is difficult to recognize on freshly broken surfaces but stands out on weathered surfaces as prismatic randomly orientated crystals.

In 2020, the Airstrip target was identified as an orogenic gold system – the first of this deposit type in the region. Orogenic gold systems are characterized by deformed and variably metamorphosed host rocks; low sulphide content; carbonate-sulphide ± sericite ± chlorite alteration assemblages in greenschist-facies host rocks; normally spatially associated with large-scale compressional to transpressional structures; and often contains abundant quartz-carbonate veins that amount to low-grade, bulk tonnage deposits (Goldfarb et al. 2001 and Padget et al. 2019). The Airstrip target is hosted in variably calcareous and locally graphitic Earn Group phyllite with chlorite and epidote observed in outcrop on the east side of the target. At least three generations of planar to highly deformed quartz–carbonate ± sericite veins occur throughout the target with varying vein density and width (mm to m scale). The Dawson Thrust Fault runs along the southern property boundary, with the Airstrip target representing a significant jog in the major thrust fault (Figures 8-9). Multiple gullies at the Airstrip target contain fault-rock which may represent structures off the Dawson Thrust Fault. Additionally, observations made by Jim Mortensen and Steve Israel suggest the presence of an anticline at the

top of the Airstrip target , which may possess saddle reef vein mineralization, analogous to Meguma Gold Deposit in Nova Scotia (Sangster and Smith, 2007).

## MINERALIZATION

Several types of mineralization are known to occur on the Rau Project with the three most common being: 1) gold ± silver carbonate replacement; 2) silver – lead – zinc ± gold carbonate replacement; and 3) gold ± copper ± tungsten skarn.

The primary focus of sampling and prospecting during the 2020 program was focused on the Airstrip target, which 2020 exploration determined to be an orogenic gold system. A summary of the mineralized zones identified along the Rau Trend is presented below. Locations of the showings are presented on Figure 7.

| Target | General Location | Commodity | Mineralization Style | Years worked by ATAC | Exploration Level by ATAC |
|---|---|---|---|---|---|
| **Caracal** | 18 km NW of Tiger | Au | Orogenic? | 2012, 2013, 2020 | soil sampling and prospecting |
| Discovered in 2013 while following up on **0.545 g/t Au** stream sediment sample collected in 2012. Prospecting returned numerous rock samples elevated for gold, the highest of which graded **2.97 g/t Au** in a chloritic-argillite cut by a rusty quartz vein. Caracal is located 20 km west-northwest along strike from the Airstrip target and is potentially an orogenic gold system related to Airstrip. | | | | | |
| **Ocelot** | 14.5 km NW of Tiger | Ag, Pb, Zn | Carbonate Replacement | 2010, 2011 | soil sampling, prospecting, IP survey, diamond drilling, |
| The Ocelot Showing (also referred to as EL) is marked by a 110 m long by 25 m wide northwesterly oriented gossan that parallels a topographic linear. A gossan at the target is predominately dolomite rubble cemented by iron oxides and is surrounded by buff to orange weathering dolomite and limestone. 4,891 m of diamond drilling completed in 24 holes in 2010 and 2011 with highlight results from **OC-11-11, which returned 188 g/t Ag, 8.69% Pb and 6.06% Zn over 37.91 m.** Mineralization occurs within a thick sequence of intensely dolomitized limestone containing narrow volcaniclastic beds. | | | | | |
| **Now** | 10 km W of Tiger | Au, Ag, Pb, Zn | Quartz vein (?) Carbonate Replacement (?) | 2010, 2011, 2015, 2017, 2019 | soil sampling, prospecting, diamond drilling, |
| Gold, lead and zinc mineralization was identified since the 1970's with rock samples containing quartz rubble containing boulangerite. Highlight rock sample at the target is from 2017, consisting of quartz vein crackle breccia with oxide along fractures which returned **5.56 g/t Au, 213 g/t Ag, 0.15% Cu, 20.5% Pb, and 0.12% Zn**. 1581.89 m of diamond drilling has been completed at Now over 12 holes in 1979, 2010 and 2011. Historic drilling from 1979 returned **1.51 g/t Au, 55 g/t Ag, 2.74% Pb and 5.26% Zn over 0.50 m** from an interval of boulangerite and sphalerite in a narrow quartz vein. | | | | | |
| **Northwest Target Area** | 9.8 km NW of Tiger | Au, Zn | unknown | 2010, 2012, 2017 | soil sampling, prospecting |
| The Northwest Target Area is a broad 7.5 $km^2$ forested area. Prospecting has been limited due to poor exposure. Grab samples collected in this target area in 2017 yielded peak values of **1.43 g/t Au and 4.14% Zn**. | | | | | |
| **Lynx** | 5 km NW of Tiger | Au, Pb, Zn | Carbonate replacement (?) | 2009, 2010 | soil sampling, prospecting |

| | | | | | |
|---|---|---|---|---|---|
| The Lynx showing consists of isolated limonite float which returned **0.24 g/t Au, 7,290 ppm As and 0.60% Zn** within a limestone talus field. This showing is located on the opposite side of the valley as the Cheetah Showing. A sample collected 700 metres east of the Lynx showing returned a value of **1.45 g/t Au**. | | | | | |
| **Serval** | 5.8 km NW of Tiger | Au, Ag, Pb, Zn | Carbonate Replacement | 2010, 2015 | soil sampling, prospecting |
| The Serval target is located on a ridge top. Samples of variably silicified limonitic oxide float occur in association with an area of intense calcite flooding proximal to a fault that prominently offsets stratigraphy. Gold values from hand samples collected in proximity to this fault in 2015 returned a peak value of **1.44 g/t Au**. | | | | | |
| **Cheetah** | 5 km NW of Tiger | Au | Carbonate Replacement | 2009, 2010, 2015, 2017 | soil sampling, prospecting, diamond drilled |
| The Cheetah Showing is defined by a 500 m long by 100 m wide float train extending up a south facing slope to a ridge which is cut by a northeast trending linear. This linear has been traced for approximately 30 m to the northeast until becoming buried in limestone talus. A sample of a purple brown, goethite rich boxwork limonite collected from this area in 2009, returned **3.06 g/t Au**. 1492.82 m of diamond drilling was completed in 9 holes in 2010 and 2011. While all of these intersections yielded low-grade gold mineralization, the most significant intersections came from **CH-10-04 and graded 1.29 g/t Au over 16.90 m** and **CH-11-07 which graded 1.11 g/t Au over 13.72 m.** | | | | | |
| **Puma** | 4.3 km NW of Tiger | Au, Ag | Carbonate Replacement | 2009-2011, 2013-2015, 2017-2018, 2020 | Soil sampling, prospecting, mapping, hand trenching, RAB drilling, diamond drilling. |
| Six goethite or goethite-rich limonite samples collected in 2009 returned gold values greater than 1.00 g/t, including a **peak value of 18.45 g/t Au**; while four samples returned silver in excess of 100 g/t to a maximum of **241 g/t Ag**. Both holes intersected creamy dolomite cut by a strongly oxidized but healed fault. The best result from this drilling returned **3.9 m of 0.75 g/t Au in PM-11-02**. Follow up prospecting hand pitting and trenching in 2014 returning values of up to **4.21 g/t Au**, seemingly sourcing from the Puma fault. The highest-grade interval from the program returned a value of **1.45 g/t Au over 3.05 m.** Weakly to moderately anomalous gold-in-soil was identified within this expansion, including values of **124 and 115 ppb Au.** | | | | | |
| **Cougar** | 3.5 km NW of Tiger | Au, Bi, Ag, Pb, Zn | Carbonate Replacement | 2009, 2010, 2013, 2019 | Soil sampling, prospecting |
| Multiple rock samples collected from a float train of rusty limonite with rare blebby bismuthinite and galena in quartz returned highlights of **1.57 g/t** and **3.13 g/t Au**, and **483 g/t Ag**. Rock samples collected along the ridgeline slightly southeast of Cougar yielded multiple rock samples with elevated Pb (up to **35.74% Pb**) and greater than 1% zinc. This target has not been drill tested. | | | | | |
| **Panther** | 3 km Northwest | Au, Bi, Ag, Pb, Zn | Carbonate Replacement | 2009, 2010, 2015, 2017, 2018 | Soil sampling, prospecting, diamond drilling |
| Two holes were drilled in 2009 as part of a regional diamond drill program, totalling 246.58 m. hole RSC-09-002 failed and RSC-09-003 was a redrill of the failed hole; neither hole intersected any significant mineralization. Highlight rock samples are hosted in limonitic float of limestone and volcaniclastic rocks, with highlights returning up to **5.72 g/t Au, 5.00 g/t Ag** and **0.11% Zn**; **8.18 g/t Au, 16 g/t Ag** and **199.50 ppm Bi**; and **4.61 g/t Au**. | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **Jaguar** | 2.5 km NW of Tiger | Au | Carbonate Replacement | 2009, 2010, 2015 | Soil sampling, prospecting |
| Float samples collected generally consisted of dense, rusty purple, goethite-rich limonite with rare patches of quartz. Two samples taken in 2009 returned **1.57 g/t Au and 2.81 g/t Au**. Prospecting 350 m west of this area in 2015 revealed a northwest trending linear located directly beneath a gossanous exposure. Float samples of oxidized limestone collected in this area in 2015 returned gold values up to **2.55 g/t Au**. | | | | | |
| **Condor** | 1.5 km NW of Tiger | Au, Ag, Zn | Carbonate Replacement | 2010, 2015, 2017, 2018 | Soil sampling, prospecting, VTEM, diamond drilling |
| Condor is situated in a similar stratigraphic and structural environment to the Tiger Deposit, located 1.5 km to the southeast, with a series of carbonate horizons interlayered with volcanoclastic flows. 1425.09 m of diamond drilling in 2010 was completed over 6 holes, however no holes intersected any significant mineralization, potentially due to drilling not testing favourable structures. Rock samples with highlight gold values are hosted in variably brecciated, oxide material with quartz fragments, returning up to **17.00 g/t Au** with **378 g/t Ag**. Additionally, a linear trend of hand pit samples returned up to **1.85 g/t Au** with **103 g/t Ag**, with another sample returning **37.49% Zn** all primarily hosted in sericitic volcaniclastic rocks,. | | | | | |
| **Airstrip Anomaly** | 6 km SE of Tiger | Au | Orogenic | 2015, 2016, 2019, 2020 | Soil sampling, Prospecting, RAB drilling, diamond drilling |
| The Airstrip anomaly is east of the Bengal Zone, approximately 5.5 km long, and covers a total area of 11.5 $km^2$. In 2016, RAB drilling was completed in the vicinity of a cluster of anomalous gold-in-soil, returning highlights of **1.43 g/t Au over 13.71 m** in hole **ASR-16-006**. Prospecting returned a maximum value of **6.39 g/t Au**. 2020 RAB drilling intersected low-grade mineralization over broad intervals, highlighted by **0.51 g/t Au over 36.58 m** in hole **ASR-20-018.** Diamond drilling in 2020 also intersected broad intervals of low-grade mineralization: **0.51 g/t Au over 46.32 m**, **0.24 g/t Au over 101.13 m** including **7.33 g/t Au over 0.29 m** all in **hole AS-20-005**. | | | | | |
| **Lion** | 750 m west of Tiger | Au, Zn | Unknown | 2009, 2010, 2017 | Soil sampling, prospecting |
| The gold-in-soil anomaly at the target is determined to be a feature of downstream dispersion from the Tiger Deposit. Rock sampling in the area has only returned weakly anomalous gold values, with a highlight of **0.17 g/t Au**. Rock samples in the area are anomalous for zinc, with multiple samples over 1% Zn, and highlighted by **2.33% Zn** hosted in pitted, limonite to oxide. Additionally, one sample in the area returned **2080 ppm W**. This target has not been drill tested. | | | | | |
| **Kitty** | 1 km NW Tiger | Au | Unknown | 2010 | soil sampling, ZTEM, diamond drilling |
| Kitty is a geophysical target located 1 kilometre northwest of the Tiger deposit. One diamond drill hole in 2010 targeted a north trending structure identified through interpretation of ZTEM geophysical data. The drill hole intersected limestone and dolostone with narrow volcaniclastic intervals, but no significant mineralization was encountered. The target has seen limited prospecting. | | | | | |
| **Tiger** | - | Au, Ag, W, Zn | Carbonate Replacement | 2007- 2011, 2015, 2017, 2019 | soil sampling, prospecting, mapping, diamond drilling |

| | | | | | |
|---|---|---|---|---|---|
| Tiger has a defined measured and inferred gold resource of 464, 000 oz Au using a cut-off grade of 3.19 g/t Au and is open for expansion along strike and at depth. 28, 916 m of diamond drilling has been completed in 167 holes, with highlight results of **17.11 g/t Au over 38.80 m** including **51.58 g/t Au over 10.67 m**. Mineralization at Tiger has seen the most extensive exploration work, up to and including Preliminary Economic Assessment (PEA) reports, released in 2014, 2016 and 2020. Rock samples at the target have returned up to **48.30 g/t Au** hosted in oxide material. | | | | | |
| **Cub** | 575 m east of Tiger | Au, Ag, Bi, W, Zn, Cu | Carbonate Replacement | 2009, 2010, 2017 | soil sampling, prospecting |
| The Cub Showing occurs 575 m to the east of the Tiger Zone. Mineralized float was found in a 110 m wide by 250 m long area on a south facing talus covered slope. The showing coincides with a strong bismuth-in-soil anomaly (>200 ppm). In 2017, prospecting grab samples south-west of the Cub target returned anomalous values for multiple elements, including **4.63% Cu with 12.65% Zn, 43.6% Zn with 3.22% Pb and 157 g/t Ag, and 6.23% Zn with 11.45% Pb and 157 g/t Ag.** RAB drilling in 2020 returned only very low-grade copper in hole TGR-20-003. | | | | | |
| **Hogs Back** | 2 km SE of Tiger | Au, Cu, W | Skarn | 2006-2009 | soil sampling, prospecting |
| Mineralization at Hogs Back is comprised of finely disseminated to patchy pyrrhotite, pyrite and lesser chalcopyrite, hosted in three, 0.30-0.80m thick, conformably layered actinolite skarn layers within Bouvette limestone that is marbleized for up to 5 m from the skarn layers. One diamond drill hole was drilled, WAU-08-003, however it was collared too far forward to test the skarn mineralization. Rock samples at Hogs Back have returned up to **1.24 g/t Au** and **4670 ppm W**. | | | | | |
| **Flat Top** | 2.5 km NE of Tiger | Au, W | Skarn | 2007-2009 | soil sample, prospected, diamond drilled |
| One shallow diamond drill hole, WAU-08-001, was completed in 2008 with a depth of 47.24 m and did not intersect any significant mineralization as it was collared too far downhill. Four actinolite ± scheelite ± tremolite ± calcite ± tourmaline ± quartz skarns have been observed at the target, with historic rock samples returning up to **8.38% $WO_3$**. More recent rock samples have returned **0.17 g/t Au** hosted in actinolite-diopside skarn with limonite boxwork. | | | | | |
| **Ridgecrest** | 3 km SE of Tiger | Au, W | Skarn | 2007, 2008, 2017 | soil sampled, prospected |
| Ridgecrest is located on the southwest margin of the Rackla Pluton and has only seen one scout diamond drill hole, RSC-10-005, which did not intersect any significant mineralization. Rock samples from hand pitting in the area have returned values of **1060 ppm and 2930 ppm W.** | | | | | |
| **Blue Lite** | 5.5 km NE of Tiger | Au, Cu, W | Skarn | 2009, 2015, 2017- 2019 | soil sampled, prospected, historically diamond drilled |
| Mineralization consists of scheelite as disseminations with massive pyrrhotite and minor chalcopyrite. The Blue Lite Showing is located along a high angle normal fault that dips to the south which marks the contact between Devo-Mississippian clastics to the north and Devonian to Jurassic clastics to the south. Highlight rock samples include **2.87 g/t Au** and numerous rock samples returning extremely elevated tungsten-in-rock, with a highlight of **1.90% W**. this target has not been drill tested. | | | | | |
| **Spotlight** | 6.2 km NE of Tiger | Au, Ag, Cu, Sn | Skarn | 2017- 2019 | soil sampled, prospected, mapped |
| Rock sampling in the area has resulted in highlights of **3.27 g/t Au**; **7, 080 g/t Ag**; **0.88% Cu**; and **4, 090 g/t Ag with 4.87% Pb**. Mineralization in the area has been primarily hosted in oxidized and limonitic quartz veins and fragments. This target has not been drill tested. | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **Kathy** | 4.5 km E of Tiger | Au, Ag, Pb, Zn | Skarn | 2009, 2011, 2019 | soil sampled, prospected, RAB drilled, diamond drilled |
| The Kathy Showing comprises a 40 m wide by 30 m long brick red gossanous ferricrete slab situated downhill of a thrust fault that places Earn Group shale, to the south, over Bouvette Formation carbonates to the north. 2091.02 m of drilling has been completed in seven holes between 2011 and 2019, with highlight results coming from **1.01 g/t Au over 3.05 m** in 2011 and rare, thin intervals of lead and zinc in 2019. Rock samples in the area returned **643 g/t Ag and 6.39% Cu** in weakly oxidized fault rock with trace malachite rimming clasts. The target is located within a significant geochemical anomaly, potentially related to the Rackla Pluton and the Kathy Lakes Fault. | | | | | |
| **Bobcat** | 4.5 km SE of Tiger | Au, Ag, Cu, Pb, Sn | Skarn | 2010, 2012, 2018, 2019 | soil sampled, prospected, mapped, RAB drilled, diamond drilled |
| Intrusion-related skarn and vein mineralization with grades from below detection up to **13.70 g/t Au**, **1,090 g/t Ag**, **0.19% Cu**, **11.90% Pb** and **10.9% Sn** were collected from mineralized rock samples from 2010 to 2012. Prospecting in 2019 identified outcropping skarn veins, with highlight results of **50.80 g/t Au** with **3.00% Cu,** and **41.90 g/t Au** with **10.55% Cu.** Diamond drilling in 2019 hit numerous skarn veins and pegmatite dykes, with thin, high grade veins returning up to **173.00 g/t Au** and >1.00% Cu over 5cm and **17.75 g/t Au** across 0.51m. | | | | | |

## RESULTS

Exploration in 2020 focused primarily on advancing the Airstrip target. Systematic soil sampling, prospecting, RAB drilling and diamond drilling was performed on the target to develop the geology and mineralization style of Airstrip. Gold mineralization occurs within east-southeast to west-northwest trending and vertically dipping, broad zones of highly deformed quartz-carbonate ± sericite veins. Mineralization is also associated within the phyllite host rock and around veins containing variable amounts of pyrite, arsenopyrite and lesser pyrrhotite which are typically oxidized near surface. One day prospecting programs were also performed at Bengal and Caracal targets to test the lateral extent of the orogenic gold system. RAB drilling was also completed at Puma and a copper-in-soil anomaly ~500 m northeast of the Tiger Gold Deposit.

## SOIL SAMPLING

In 2020, crews preformed infill grid soil sampling in the center and northwest areas of the target with a total of 375 soil samples collected (Figure 10).

Soil sampling at Airstrip was designed to infill the 100 m x 100 m soil sampling lines to 50 m x 50 m soil sampling lines in specific areas of the target to better define gold-in-soil anomalies. Soil samples returned elevated gold-in-soil and lesser copper-in-soil anomalism.

Results from all areas sampled in 2020 are illustrated in Figures 11 and 12. Digital copies of soil sample descriptions and certificates of analysis are included in Appendix III and IV, respectively.

### Soil Sample Analytical Information

All soil samples were transported from the property to ALS Minerals in Whitehorse, YT in the custody of Archer Cathro employees. Samples were received, prepared and then transported to ALS Minerals' North Vancouver, BC laboratory for geochemical analyses. Soil samples were dried and screened to -80 mesh to produce a fine fraction. Splits of the fine fraction were routinely dissolved in aqua regia and analyzed for 50 elements using inductively coupled plasma-mass spectrometry and atomic emission spectroscopy (ME-ICP41). All samples were also analyzed for gold using a 30g fire assay and inductively coupled plasma-atomic emission spectroscopy (Au-ICP21).

## ROCK SAMPLING

A total of 458 rock samples were collected at the Rau Property in 2020. Rock sampling was primarily focused on Airstrip to assess geology and mineralization of the target as-well-as aiding in selecting drill hole locations. Rock samples collected at Airstrip included multiple generations of quartz veins/veinlets, barren phyllite, phyllite with quartz veins and massive quartz vein samples. One day rock sampling programs were carried out at Bengal and Caracal targets, which are along strike from Airstrip, to re-assess their mineralization with respect to Airstrip.

The locations of rock samples collected in 2020 are presented in Figures 13 and 14. A digital copy of rock sample descriptions is in Appendix V and certificates of analysis are in Appendix VI.

### Airstrip

The majority of prospecting in 2020 was spent at Airstrip to follow-up on high gold-in-soil areas and rock samples from 2019. Samples were primarily quartz–carbonate ± sericite veins with dominantly oxidized sulphide, lesser fresh pyrite, arsenopyrite and lesser pyrrhotite were observed in rock samples. Numerous samples of host, variably calcareous, phyllite and phyllite with quartz stringers were also collected to determine if gold mineralization is occurring within host rock. Rock sample results from Airstrip and Bengal are in figure 15, with results from Caracal illustrated in figure 16. Highlight rock samples from work at Airstrip are presented in Table III, below.

**Table III: 2020 AIRSTRIP HIGHLIGHT ROCK SAMPLES**

| Sample ID | Gold (g/t) |
|---|---|
| W845051 | **6.39** |
| V764263 | **1.75** |
| W843592 | **1.41** |
| V764106 | 0.95 |
| V764175 | 0.87 |
| V764163 | 0.81 |
| W845041 | 0.71 |
| S051505 | 0.70 |
| W845096 | 0.64 |

| | |
|---|---|
| W845039 | 0.59 |
| W845037 | 0.56 |
| V764267 | 0.53 |
| W845023 | 0.53 |
| W845036 | 0.51 |

**Bengal**

One day of prospecting was completed at Bengal with crews collecting nine rocks. Rock sampling at Bengal occurred to determine whether the geology and mineralization was similar to Airstrip, which is 5.5 km to the east. Collected rock samples were often described as barren to containing trace pyrite-quartz veins hosted in shale, with one rock sample containing a seam of native sulphur. Highlight rock sample returned 0.868 g/t gold.

**Caracal**

Caracal is located 20 km west-northwest from Airstrip. One day of prospecting was completed to determine if the geology was similar to the orogenic gold system observed at Airstrip. A total of 21 rock samples were collected and were mostly limonitic quartz veins hosted in shale with rare, oxidized sulphides. Rock sampling did not return any significant mineralization, however the rocks and veins observed were similar in nature to those at Airstrip.

**Rock Sample Analytical Information**

Rock samples were transported to ALS Minerals in Whitehorse, YT in the custody of Archer Cathro employees. Samples were received, prepared and then transported to ALS Minerals' North Vancouver, BC laboratory for geochemical analysis. Rock samples were fine crushed before a 250 g split was pulverized to better than 85% passing 75 microns. Splits of the pulverized material were analyzed by ME-MS61, which uses a four acid digestion and analysis for 48 elements by inductively coupled plasma (ICP) together with mass spectrometry (MS) and atomic emission spectroscopy (AES). The samples were assayed for gold by Au-AA25, which takes a 30 g charge and prepares it by fire assay before being finished with atomic absorption spectroscopy (AAS).

Overlimit values for zinc, copper, silver and lead were re-analyzed by the ME-OG62 technique which utilizes a four acid digestion followed by an ICP-AES finish. Overlimit values for silver determined by the ME-OG62 method were re-analyzed using the Ag-GRA21 method, which involves fire assay preparation using a 30 gram charge and a gravimetric finish. Overlimit values for lead determined by the ME-OG62 method were re-analyzed using the Pb-VOL70 method, which uses a four acid digestion and volumetric titration. Overlimit values for zinc determined by the ME-OG62 method were re-analyzed using the Zn-VOL50 technique, which uses a four acid digestion and potentiometric titration. Overlimit values for tin were re-analyzed by the ME-MS85 method, which uses a lithium borate fusion followed by ICP-MS, or by the Sn-AA82 method which uses a peroxide fusion followed by AAS.

## RAB DRILLING

Rotary Air Blast (RAB) drilling was carried out at the Rau Project between July 28th and September 29th by Superior Diamond Drilling Ltd. of Powell River, BC. The work was completed using a heli-portable, track-mounted 'Grasshopper' drill manufactured by Multi Power Products Ltd. A total of 1565.15 m of RAB drilling was completed in 25 holes. Samples consisted of approximately five pounds of pulverised rock collected at five-foot intervals. Care was taken to collect material throughout the entire five-foot drilled interval. Samples were photographed, logged and entered in a RAB drill database. Sampling, logging and drill orienting was carried out by GroundTruth Exploration Inc. of Dawson City, YK for the Airstrip target.

The RAB drill was set up on earth filled log pads approximately 15 feet long by 15 feet wide. This pad type was prepared by hand by ATAC and Archer Cathro employees. Drill collars were marked with a flagged picket and labelled with the basic drillhole information including hole number, azimuth, and dip.

The drill collar locations are plotted on Figures 17-19 and key data for the holes is listed in Table IV. Sampling and analytical procedures are provided in Appendix VII. Geological and sample logs are presented in Appendix VIII. Certificates of analysis for the RAB samples sampling are shown in Appendix IX.

**TABLE IV: 2020 RAB DRILL HOLE SPECIFICS**

| Hole Name | Easting (mE) | Northing (mN) | Elevation (m) | Azimuth (True North) | Dip | Depth (m) | Zone Name |
|---|---|---|---|---|---|---|---|
| ASR-20-008 | 531341 | 7113503 | 776 | 30 | -50 | 22.86 | Airstrip |
| ASR-20-009 | 531341 | 7113503 | 776 | 110 | -50 | 41.15 | Airstrip |
| ASR-20-010 | 531341 | 7113503 | 776 | 210 | -50 | 50.29 | Airstrip |
| ASR-20-011 | 532203 | 7114547 | 1239 | 20 | -50 | 48.77 | Airstrip |
| ASR-20-012 | 532203 | 7114547 | 1239 | 200 | -50 | 4.57 | Airstrip |
| ASR-20-013 | 532201 | 7114548 | 1239 | 200 | -50 | 36.58 | Airstrip |
| ASR-20-014 | 532205 | 7114556 | 1227 | 20 | -50 | 60.96 | Airstrip |
| ASR-20-015 | 531394 | 7114706 | 1184 | 20 | -50 | 65.53 | Airstrip |
| ASR-20-016 | 531394 | 7114706 | 1189 | 200 | -50 | 82.30 | Airstrip |
| ASR-20-017 | 532024 | 7114471 | 1219 | 50 | -50 | 82.30 | Airstrip |
| ASR-20-018 | 532024 | 7114469 | 1219 | 230 | -50 | 76.20 | Airstrip |
| ASR-20-019 | 531826 | 7114180 | 1097 | 30 | -50 | 77.72 | Airstrip |
| ASR-20-020 | 531708 | 7114559 | 1209 | 30 | -50 | 50.29 | Airstrip |
| ASR-20-021 | 531708 | 7114559 | 1209 | 210 | -50 | 83.82 | Airstrip |
| ASR-20-022 | 530735 | 7114775 | 1140 | 30 | -50 | 77.72 | Airstrip |
| ASR-20-023 | 530735 | 7114775 | 1140 | 210 | -50 | 56.39 | Airstrip |
| ASR-20-024 | 530440 | 7114345 | 946 | 30 | -50 | 53.34 | Airstrip |
| ASR-20-025 | 530440 | 7114345 | 949 | 210 | -50 | 65.53 | Airstrip |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| PMR-20-001 | 525763 | 7121884 | 1392 | 220 | -50 | 83.82 | Puma |
| PMR-20-002 | 525763 | 7121884 | 1392 | 40 | -50 | 83.82 | Puma |
| PMR-20-003 | 525901 | 7121882 | 1312 | 220 | -50 | 51.82 | Puma |
| PMR-20-004 | 525901 | 7121882 | 1312 | 40 | -50 | 56.39 | Puma |
| TGR-20-001 | 529019 | 7119038 | 1538 | 220 | -45 | 85.34 | The |
| TGR-20-002 | 529019 | 7119038 | 1538 | 40 | -50 | 83.82 | The |
| TGR-20-003 | 529070 | 7119086 | 1559 | 220 | -60 | 83.82 | The |

## RAB DRILLING RESULTS

Observations from each zone drilled this year are described below and illustrated in Figures 20-25.

### Airstrip

18 RAB holes totalling 1032.36 m were drilled at the Airstrip target. Drilling was carried out at Airstrip to expand on 2016 gold mineralization in RAB samples, test gold-in-soil anomalies and high gold-in-rock samples. Holes ASR-20-017, -018, -019 and -024 all intersected broad intervals of low-grade gold mineralization with samples consisting of phyllite, quartz veins and varying amounts of sulphides (pyrite, arsenopyrite and pyrrhotite). Holes ASR-20-014 intersected 3.11 g/t gold over 1.53 m. Holes-20-017 and ASR-20-018 both intersected broad intervals of low-grade gold mineralization associated with semi-massive to massive pyrite. Complications with difficult sub-surface conditions, abundant ground water and mechanical issues resulted in significant loss of sample recovery and quality in certain holes. Significantly mineralized intervals are listed in Table V.

**TABLE V: 2020 SIGNIFICANT RAB INTERSECTIONS – AIRSTRIP**

| Drill Hole | Zone | From (m) | To (m) | Interval (m) | Gold (g/t) |
|---|---|---|---|---|---|
| ASR-20-014 | Airstrip | 32.00 | 33.53 | 1.53 | 3.11 |
| ASR-20-017 | Airstrip | 51.82 | 64.01 | 12.19 | 0.22 |
| ASR-20-018 | Airstrip | 39.62 | 76.20 | 36.58 | 0.51 |
| ASR-20-019 | Airstrip | 22.86 | 27.43 | 4.57 | 0.79 |
| incl. | Airstrip | 24.38 | 25.91 | 1.53 | 1.63 |
| ASR-20-024 | Airstrip | 21.34 | 27.43 | 6.09 | 0.51 |

### Cub

Three RAB holes totalling 252.98 m were drilled at the Cub target in 2020, targeting a significant copper-in-soil anomaly that has also returned multiple copper-in-rock samples. No significant gold mineralization was encountered, and only TGR-20-003 intersected a broad interval of anomalous copper of 0.024% copper over 67.06 m.

**Puma**

Four RAB holes totalling 275.85 m were drilled at the Puma target. The RAB holes mostly lack significant gold, silver, copper, lead and zinc mineralization. Hole PMR-21-001 intersected 3.05 m of 0.12% lead and 0.31% zinc.

## DIAMOND DRILLING

The 2020 diamond drilling program at Rau Property focused on testing the orogenic gold system at the Airstrip Target. Diamond drilling was carried out between August 28th and September 30th by Superior Diamond Drilling Ltd. of Powell River, BC. The work was completed using primarily HQ with lesser NQ gear on heli-portable Discovery II drills. A total of 1875.95 m of diamond drilling was completed in six holes.

The drill was set up on earth filled log pads approximately 20 feet long by 20 feet wide, prepared by Archer Cathro and Coureur Des Bois Ltd. employees. Following completion of each hole, the drill collar was marked with a piece of drill rod cemented into the hole and labeled with the basic drill hole information. Drill hole locations at Airstrip were surveyed using a handheld GPS.

The diamond drill collar locations are plotted on Figure 26, with key data for the holes presented in Table VI. Sampling and analytical procedures, data verification and QAQC results are provided in Appendix X, while drill logs are given in Appendix XI. Certificates of analysis for 2020 drilling are in Appendix XII. Cross sections for all diamond drill holes are presented in Appendix XIII.

**TABLE VI: 2020 DIAMOND DRILL HOLE SPECIFICS**

| Hole Name | Easting (mE) | Northing (mN) | Elevation (m) | Azimuth (True North) | Dip | Depth (m) | Zone Name |
|---|---|---|---|---|---|---|---|
| AS -20-001 | 531524 | 7113862 | 969.00 | 202.70 | -50 | 251.46 | Airstrip |
| AS -20-002 | 531243 | 7114180 | 1058.00 | 210.50 | -50 | 290.78 | Airstrip |
| AS -20-003 | 531431 | 7113800 | 947.00 | 30.20 | -50 | 234.70 | Airstrip |
| AS -20-004 | 531795 | 7114132 | 1081.30 | 29.90 | -50 | 306.01 | Airstrip |
| AS -20-005 | 532024 | 7114466 | 1220.00 | 229.60 | -50 | 477.93 | Airstrip |
| AS -20-006 | 531704 | 7114564 | 1211.00 | 210.20 | -50 | 315.07 | Airstrip |

## DIAMOND DRILLING RESULTS

Results of the 2020 diamond drilling program are described below.

**Airstrip**

Drilling occurred in areas that have seen significant prospecting, hand pitting, soil anomalies and RAB drilling. The holes focused on confirming 2016 RAB gold results, structural complexities and prospecting discoveries for orogenic gold system mineralization in both quartz–carbonate ± sericite veins and within phyllite host rock. Abundant folding and veining were observed in all drill holes. Diamond Drill hole results are located in figures 27-30.

Drill holes AS-20-001 and -002 were designed to twin and confirm gold intercepts from 2016 RAB drilling of ASR-16-004 (0.66 g/t Au over 22.86 m) and ASR-16-006 (1.43 g/t Au over 13.71 m), respectively. Both diamond drill holes experienced significant drill complications and poor recovery due to poor rock quality and associated faults. AS-20-001 did not intersect significant gold mineralization. AS-20-002 intercepted 117.35 m of 0.14 g/t gold including 15.24 m of 0.43 g/t from 7.32 m. Additionally, both holes intercepted silver-copper-tungsten mineralization; AS-20-001 drilled an interval of 3, 060 g/t silver, 0.59% copper and 0.56% tungsten over 2.44 m and AS-20-002 drilled 2250 g/t silver, 0.85% copper and 0.40% tungsten over 2.45 m. Similar intervals of silver, copper and tungsten mineralization has been observed in faulted Earn Group shales in Orion core (BDO-18-012) – possibly stratigraphic bound mineralization.

AS-20-003 was a 50 m step-out and a 180° rotation of hole AS-20-001 to drill into the hill with the goal of obtaining better recovery and structural measurements. This hole did not intersect any significant mineralization; however, core recovery was improved.

AS-20-004 was designed to test the underlying geology of multiple rock samples that returned significant gold-in-rock, with highlight of 6.39 g/t gold in subcrop. This diamond drill hole intersected multiple broad low-grade gold intervals, with the most significant being 26.06 m of 0.26 g/t gold, including 0.67 m of 5.83 g/t gold. Highest grade gold intercepts in this hole are roughly correlated with calcareous quartz veins containing varying amount of semi-massive pyrite and arsenopyrite. Recovery was generally poor for the first 50 m of the hole.

AS-20-005 was designed to twin and confirm ASR-20-018 gold mineralization (0.51 g/t gold over 36.58 m). The diamond drill hole confirmed ASR-20-018 gold mineralization and contained multiple broad intervals of low-grade gold mineralization. Highlights from this hole include 0.51 g/t gold over 46.32 m from surface, and 101.13 m of 0.24 g/t gold from 314.27 m, including 0.29 m of 7.33 g/t gold hosted in a massive pyrrhotite ± arsenopyrite vein. Multiple sections of semi-massive to massive sulphide (pyrite, pyrrhotite, arsenopyrite) were observed within quartz veins and within the Earn group host rock.

AS-20-006 did not intersect any significant gold mineralization. The diamond drill hole was designed to twin RAB hole ASR-20-021 which contained material that resembled the successful RAB hole ASR-20-018. This hole intersected multiple intervals of massive pyrrhotite at depth.

Significantly mineralized intervals are listed in table VII.

**TABLE VII: 2020 SIGNIFICANT DIAMOND DRILL INTERSECTIONS**

| Hole Name | Zone | Depth From (m) | Depth To (m) | Interval (m) | Gold (g/t) | Silver (g/t) | Copper (%) | Tungsten (%) |
|---|---|---|---|---|---|---|---|---|
| AS-20-001 | Airstrip | 191.41 | 193.85 | 2.44 | | 3060 | 0.59 | 0.56 |
| AS-20-002 | Airstrip | 7.32 | 124.67 | 117.35 | 0.14 | - | - | - |
| incl. | | 7.32 | 22.56 | 15.24 | **0.43** | - | - | - |
| AS-20-002 | Airstrip | 64.30 | 66.75 | 2.45 | | **3350** | **0.85** | **0.40** |
| AS-20-004 | Airstrip | 120.09 | 179.16 | 59.07 | 0.26 | - | - | - |
| incl. | | 128.81 | 154.87 | 26.06 | **0.48** | - | - | - |
| incl. | | 135.65 | 136.32 | 0.67 | **5.83** | - | - | - |
| incl. | | 151.96 | 152.27 | 0.31 | **3.79** | - | - | - |
| and | | 228.04 | 252.00 | 23.96 | 0.18 | - | - | - |
| incl. | | 228.47 | 229.40 | 0.93 | 1.62 | - | - | - |
| AS-20-005 | Airstrip | 0.31 | 46.63 | 46.32 | **0.51** | - | - | - |
| incl. | | 16.48 | 17.82 | 1.34 | **4.81** | - | - | - |
| incl. | | 40.17 | 43.00 | 2.83 | 3.12 | - | - | - |
| and | | 177.92 | 211.22 | 33.30 | **0.32** | - | - | - |
| and | | 314.27 | 415.40 | 101.13 | **0.24** | - | - | - |
| incl. | | 415.11 | 415.40 | 0.29 | **7.33** | - | - | - |

**Note: dashes indicate no significant mineralization.*
***Intersections are drilled thicknesses and true widths are unknown.*

## DISCUSSION AND CONCLUSIONS

Since 2007, a total of 22 targets with gold and/or base metal mineralization have been discovered by ATAC across a 20 km trend at the Rau Property. These targets comprise several distinct styles of intrusive-related mineralization, demonstrating systematic zonation outwards from the Rackla Pluton. 2020 field program was designed to develop geological and mineralization comprehension of largest gold-in-soil anomaly on the Rau project and to follow-up on promising rock samples from 2019 prospecting. Detailed prospecting, RAB drilling and first-pass diamond drilling uncovered that the Airstrip target is an orogenic gold system, the first to be discovered in this part of the Yukon. Additional property scale prospecting revealed the possibility of orogenic style mineralization at the Caracal target, 20 km west-northwest of Airstrip and Bengal 5.6 km west of Airstrip. RAB drilling in 2016 and 2020 has identified gold mineralization over a 1, 800 x 900 m and across a vertical extent of 380 m.

Exploration efforts in 2020 were focused on the Airstrip target, which returned numerous low-grade gold-in-rock samples. RAB and diamond drilling at Airstrip returned multiple broad sections of low-grade gold intervals, with mineralization occurring in quartz–carbonate ± sericite veins with varying amounts of pyrite, arsenopyrite and lesser pyrrhotite hosted in variably calcareous Earn Group phyllite. Returning to Airstrip would benefit from having an orogenic expert with strong knowledge of structural geology would help to interpret the structural complexities of the

target, determine the presence of saddle reef veining, unravel the multiple generations of veining observed in drill core and outcrop with the goal of defining new drill targets.

Seven RAB holes were drilled to test underexplored targets on the property, three at the Cub target and four at Puma. None of these holes intersected mineralization over significant intervals, however discrete intervals of low-grade mineralization were observed.

Additional property scale prospecting, mapping and soil sampling returned anomalous gold and/or base metal mineralization, including low-grade gold within quartz-oxidized sulphide fragments at the Airstrip target. Regional exploration along the entirety of the Dawson Thrust fault may reveal similar Orogenic gold targets similar to Airstrip.

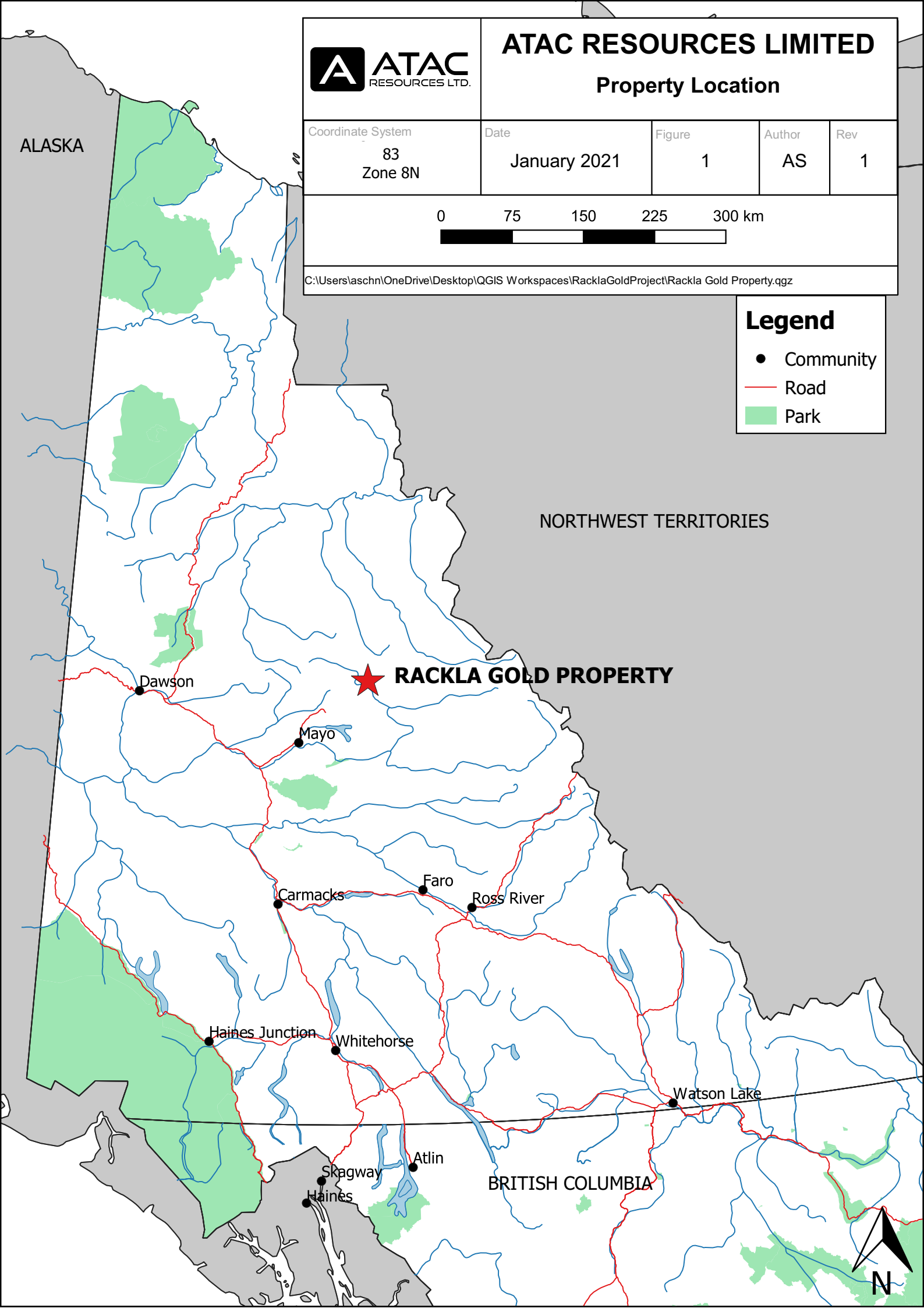
Continued systematic exploration of the Rau Project is warranted within this exciting district where significant discovery potential still exists.

Respectfully submitted,

ATAC RESOURCES LIMITED



Austin Schneebeli, B.Sc., G.I.T.


ATAC RESOURCES LIMITED
Property Location
Coordinate System
83
Zone 8N
Date
January 2021
Figure
1
Author
AS
Rev
1
0
75
150
225
300 km
C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz
Legend
Community
Road
Park
ALASKA
NORTHWEST TERRITORIES
RACKLA GOLD PROPERTY
Dawson
Mayo
Carmacks
Faro
Ross River
Haines Junction
Whitehorse
Watson Lake
Atlin
Skagway
Haines
BRITISH COLUMBIA
N

500,000 mE
505,000 mE
510,000 mE
515,000 mE
520,000 mE
525,000 mE
530,000 mE
535,000 mE
7,130,000 mN
7,125,000 mN
7,120,000 mN
7,115,000 mN
7,110,000 mN

## Claim Groupings

- Group J
- Group K
- Group L
- None

0 1 2 3 4 5 km

# Rackla Gold Property
## Central Project Area
## Rau Project

ATAC RESOURCES LTD.

| Coordinate Reference System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | March 2021 | 2A | AS | 1 |

Scale: 1:65,000

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\2021 Assessment Groupings RGP\Assessment Reblocking Figures.qgz

480,000 mE | 485,000 mE | 490,000 mE | 495,000 mE | 500,000 mE | 505,000 mE | 510,000 mE

7,150,000 mN | 7,145,000 mN | 7,140,000 mN | 7,135,000 mN | 7,130,000 mN

## Claim Groupings

- Group J
- Group K
- Group L
- None

0 1 2 3 4 5 km

# Rackla Gold Property

## Upper Project Area

## Rau Project

ATAC RESOURCES LTD.

| Coordinate Reference System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | March 2021 | 2B | AS | 1 |

Scale: 1:65,000

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\2021 Assessment Groupings RGP\Assessment Reblocking Figures.qgz

480,000 mE | 485,000 mE | 490,000 mE | 495,000 mE | 500,000 mE | 505,000 mE | 510,000 mE | 515,000 mE

7,115,000 mN | 7,110,000 mN | 7,105,000 mN | 7,100,000 mN | 7,095,000 mN

N

## Claim Goupings

Group L

0 1 2 3 4 5 km

# Rackla Gold Property

## Lower Project Area

## Rau Project

| Coordinate Reference System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | March 2021 | 2C | AS | 1 |

Scale: 1:65,000

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\2021 Assessment Groupings RGP\Assessment Reblocking Figures.qgz

513,000 mE
522,000 mE
531,000 mE
540,000 mE
7,128,000 mN
7,119,000 mN
7,110,000 mN

Wind River Trail
Rau Camp
Rau Airstrip
N

## Legend

- Property Boundary
- Airstrip
- Camp
- Proposed Tote Road
- Winter Trails
- Water

0 2 4 6 8 10 km

Scale 1:100,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Rau Project - Infrastrucutre

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 3 | AS | 1 |

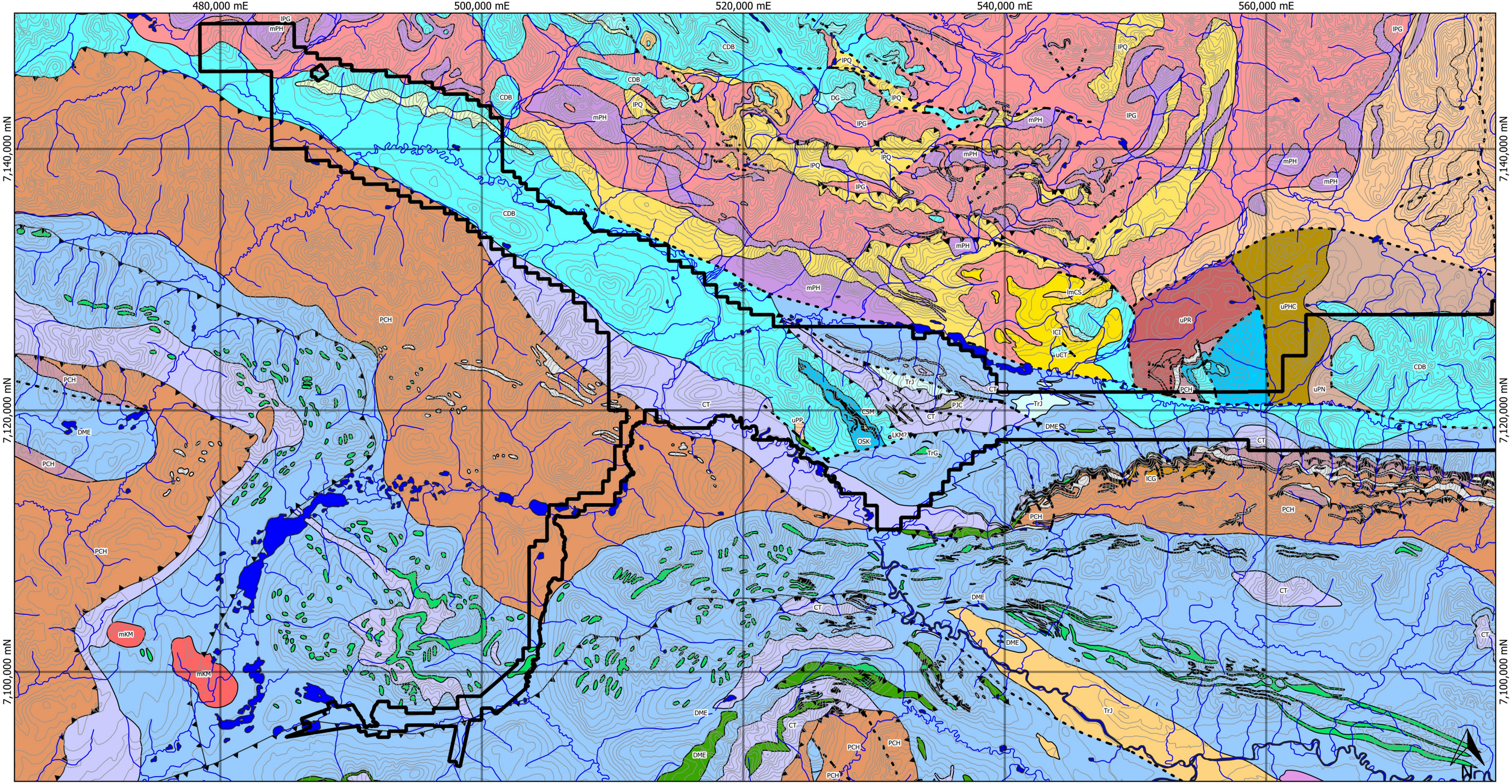
C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

480,000 mE | 500,000 mE | 520,000 mE | 540,000 mE | 560,000 mE

7,140,000 mN

7,120,000 mN

7,100,000 mN




480,000 mE | 500,000 mE | 520,000 mE | 540,000 mE | 560,000 mE

## Legend

- Property Boundary
- Thrust Fault
- Contacts
- 100m Contours
- Water

For Geology Legend - See Figure 5

0 4 8 12 16 20 km

Scale 1:275,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Rau Trend Geology

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 4 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

***Upper Cretaceous***

LKM — McQueston Suite - Granite with two types of mica

mKM — Tombstone Suite - Granite

***Triassic***

TrG — Galena Suite - Diorite and Gabbro

***Middle to Upper Triassic***

TrJ — Jones Lake - Sandstone, shale, and limestone

***Lower middle Permian***

PJC — Jungle Creek - Sandstone, shale with limestone

***Mississippian***

CT — Keno Hill Quartzite - Metamorphosed sandstone, shale

***Devonian-Mississippian***

DME — Earn Group - Shale and chert with lesser conglomerate

***Lower middle Devonian***

DG — Gossage - Calcareous shale

***Silurian-Ordovician***

CSM — Marmot - Mafic, vesicular volcanic flows

***Upper Ordovician-Silurian***

OSK — Kindle - Dolostone and chert

***Upper Cambrian-lower devonian***

CDB — Bouvette - limestone with minor shale

***Upper Cambrian***

uCT — Taiga - Limestone, dolostone, minor shale

***Lower middle Cambrian***

lmCS — Slats Creek - Sandstone with minor shale/silstone

***Middle Cambrian***

lCG — Gull Lake - Clastic assemblage with volcanics

lCl — Iltyd - Limestone with dolostone

***Upper Proterozoic-Cambrian***

PCH — Hyland - Turbiditic clastics, limestones, shales

***Neoproterozoic***

uPHC — Hay Creek - Coarse siliciclastics

uPN — Nadaleen - Carbonates

uPR — Rapitan - Mudstone with interbeds of limestone, sandstone

uPP — Pinguicula - Carbonate assemblage

***Mesoproterozic***

mPH — Hart River - Mafic volcanic flows

***Paleoproterozoic***

lPG — Gillespie Lake - Dolostone and silty dolostone

lPQ — Quartet - Shale and siltstone

ATAC RESOURCES LTD.

# RACKLA GOLD PROPERTY

RAU PROJECT

Geology Legend

| Date | Fig. # | Author | Rev |
|---|---|---|---|
| January 2021 | 5 | AS | 1 |

P:\Rau_Assessment_Report_20 20

513,000 mE 522,000 mE 531,000 mE 540,000 mE

7,128,000 mN

7,119,000 mN

7,110,000 mN

Ocelot
Caracal
Now
Serval
Cheetah
Lynx
Puma
Panther
Cougar
Jaguar
Condor
Kitty
Lion
Tiger
Cub
Spotlight
Blue Lite
Flat Top
Ridge Crest
Kathy
Bob Cat
Hogs Back
Bengal
Airstrip
LKM?

mPH ICI lmCS IPG CDB uCT CT TrJ PJC TrG DME PCH uPP

N

## Legend

- Property Boundary
- Mineralized Target
- Thrust Fault
- Contacts
- 100' Contours
- Water

For Geology Legend - See Figure 5

0 2 4 6 8 10 km

Scale 1:100,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Rau Detailed Geology

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 6 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

513,000 mE 522,000 mE 531,000 mE 540,000 mE

7,128,000 mN

7,119,000 mN

7,110,000 mN

Ocelot

Wind River Trail

Caracal

Now

Serval

Cheetah

Puma

Lynx

Cougar

Condor

Kitty

Rau Camp

Lion

Cub

Spotlight

Blue Lite

Flat Top

Hogs Back

Ridge Crest

Kathy

Bob Cat

TIGER DEPOSIT

Bengal

Airstrip

Rau Airstrip

N

## Legend

- Winter Trail
- Carbonate Replacement
- Gold Tungsten Skarn
- Manto
- Orogenic
- Reduced Intrusion
- Skarn

0 2 4 6 8 10 km

Scale 1:100,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Rau Project - Showings

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 7 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

480,000 mE | 500,000 mE | 520,000 mE | 540,000 mE | 560,000 mE

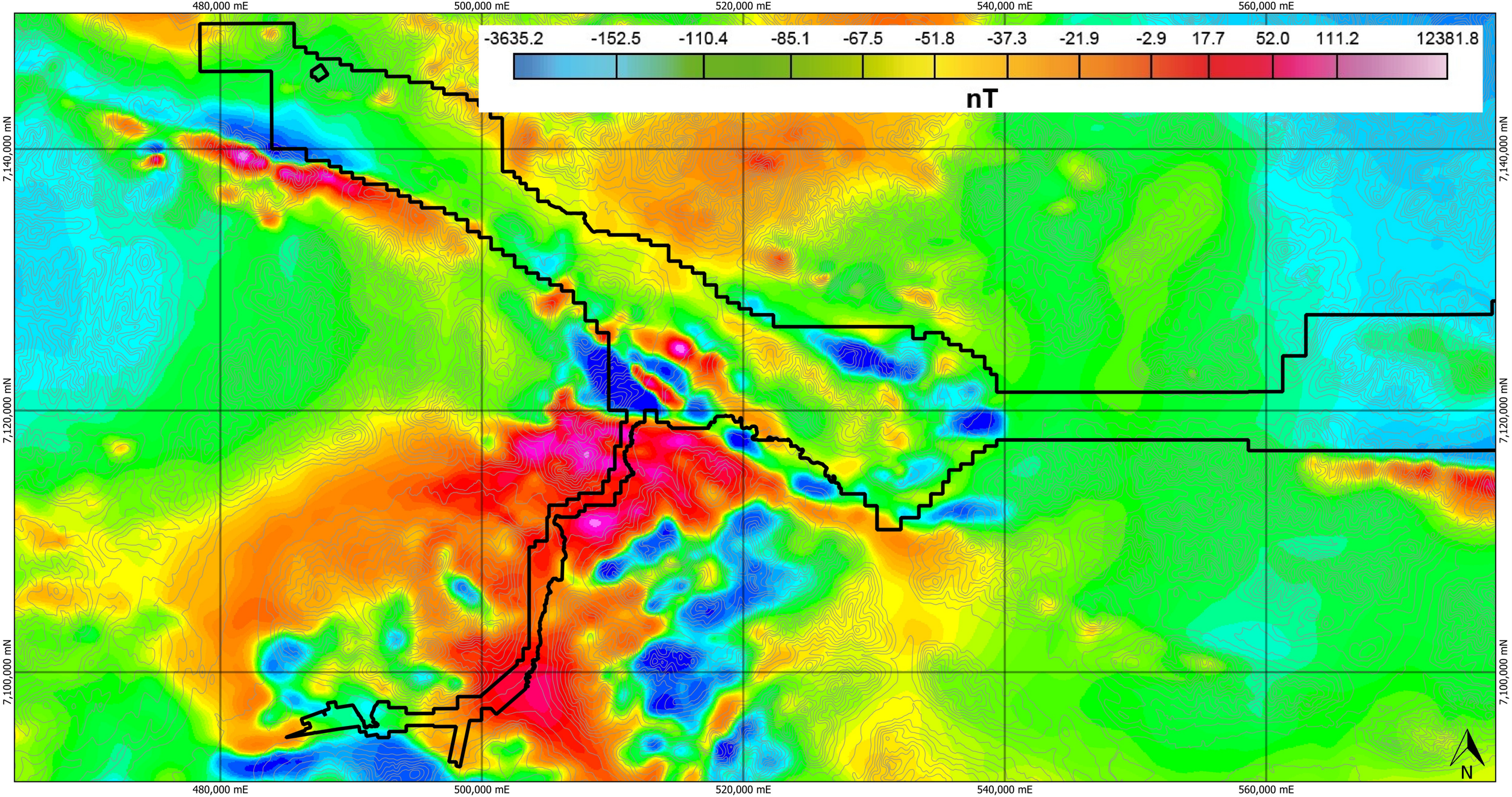
7,140,000 mN

7,120,000 mN

7,100,000 mN

-3635.2 | -152.5 | -110.4 | -85.1 | -67.5 | -51.8 | -37.3 | -21.9 | -2.9 | 17.7 | 52.0 | 111.2 | 12381.8

nT



N

## Legend

- Property Boundary
- 100 m Contours

0 | 4 | 8 | 12 | 16 | 20 km

Scale 1:275,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Yukon Magnetics - Total Magnetic Intensity

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 8 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

480,000 mE
500,000 mE
520,000 mE
540,000 mE
560,000 mE

7,140,000 mN
7,120,000 mN
7,100,000 mN

8.1467
0.1636
0.0843
0.0570
0.0423
0.0332
0.0270
0.0223
0.0184
0.0149
0.0120
0.0094
0.0070
0.0049
0.0028
0.0010
-0.0008
-0.0025
-0.0041
-0.0057
-0.0072
-0.0086
-0.0101
-0.0115
-0.0130
-0.0146
-0.0161
-0.0177
-0.0196
-0.0216
-0.0240
-0.0267
-0.0298
-0.0338
-0.0384
-0.0442
-0.0523
-0.0654
-0.0900
-0.1537
-9.5475
nT/m

N

## Legend

- Property Boundary
- 100 m Contours

0 4 8 12 16 20 km

Scale 1:275,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Yukon Magnetics - 1st Vertical Derivative

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 9 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

528,000 mE | 529,500 mE | 531,000 mE | 532,500 mE | 534,000 mE

7,116,000 mN | 7,114,500 mN | 7,113,000 mN

Bengal

Airstrip

N

## Legend

- Soil Sample ID
- Mineral Occurrence
- 100' Contours
- Water

0 0.4 0.8 1.2 1.6 2 km

ATAC RESOURCES LTD.

# Rackla Gold Property

## Soil Sample Locations

| Coordinate Reference System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 10 | AS | 1 |

Scale: 1:12,000

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

530,000 mE

535,000 mE

7,115,000 mN

Bengal

Airstrip

N

## Legend

Soil Samples (Au - ppb)

- <= 5
- 5 - 10
- 10 - 20
- 20 - 50
- >50

- 2020 Soil Outline
- Mineral Occurence
- 100' Contours
- Water

0 0.5 1 1.5 2 2.5 km

Scale 1:25,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Soil Sample Results - Gold

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 11 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

530,000 mE

535,000 mE

7,115,000 mN

Bengal

Airstrip

N

## Legend

Soil Samples (Cu - ppm)

- <= 30
- 30 - 50
- 50 - 75
- 75 - 100
- >100

- 2020 Soil Outline
- Mineral Occurence
- 100' Contours
- Water

0 0.5 1 1.5 2 2.5 km

Scale 1:25,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Soil Sample Results - Copper

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 12 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

528,000 mE | 529,500 mE | 531,000 mE | 532,500 mE | 534,000 mE

7,116,000 mN | 7,114,500 mN | 7,113,000 mN

Bengal

Airstrip

N

## Legend

- Rock Sample ID
- Mineral Occurrence
- 100' Contours
- Water

0 0.4 0.8 1.2 1.6 2 km

ATAC RESOURCES LTD.

# Rackla Gold Property

## Rock Sample Locations - Airstrip & Bengal

| Coordinate Reference System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 13 | AS | 1 |

Scale: 1:12,000

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

509,600 mE | 510,000 mE | 510,400 mE | 510,800 mE

7,123,200 mN

7,122,800 mN

S051462
S051463
S051529
S051528
S051465
S051464
S051527
S051461
S051460
S051526
S051459
S051525
S051458
S051524
S051457
S051523
S051530
S051532
S051466
S051468
S051467

Caracal

N

509,600 mE | 510,000 mE | 510,400 mE | 510,800 mE

## Legend

- Rock Sample ID
- Mineral Occurrence
- 100' Contours

0 100 200 300 400 500 m

Scale 1:4,500

ATAC RESOURCES LTD.

# Rackla Gold Property

## Rock Sample Locations - Caracal

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | January 2021 | 14 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

530,100 mE | 530,400 mE | 530,700 mE | 531,000 mE | 531,300 mE | 531,600 mE | 531,900 mE | 532,200 mE | 532,500 mE | 532,800 mE

7,114,800 mN | 7,114,500 mN | 7,114,200 mN | 7,113,900 mN | 7,113,600 mN

ASR-20-022
ASR-20-023
ASR-20-016
ASR-20-015
ASR-20-020
ASR-20-021
ASR-20-013
ASR-20-014
ASR-20-012
ASR-20-011
ASR-20-017
ASR-20-018
ASR-20-025
ASR-20-024
ASR-16-005
ASR-16-007
ASR-16-006
Airstrip
ASR-20-019
ASR-16-001
ASR-16-003
ASR-16-002
ASR-16-004
ASR-20-008
ASR-20-009
ASR-20-010

N

## Legend

- 2020 RAB Collar
- 2016 RAB Collar
- Mineral Occurrence
- 100' Contours
- -?-
- Overburden
- Basalt
- Peperite
- Quartz Vein
- Phyllite
- Fault Rock
- Shale

0 100 200 300 400 500 m

Scale 1:7,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Airstrip - RAB Rock Types

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 17 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

529,000 mE

529,200 mE

529,400 mE

7,119,200 mN

7,119,000 mN

Cub

TGR-20-003

TGR-20-001

TGR-20-002

N

## Legend

- 2020 RAB Collar
- Mineral Occurrence
- 100' Contours
- Dolostone
- Limestone
- Overburden
- Void

0 20 40 60 80 100 m

Scale 1:1,500

ATAC RESOURCES LTD.

# Rackla Gold Property

## Cub - RAB Rock Types

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 18 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

525,600 mE

525,800 mE

526,000 mE

7,122,000 mN

7,121,800 mN

PMR-20-001

PMR-20-002

PMR-20-003

PMR-20-004

Puma

N

## Legend

- 2020 RAB Collar
- Mineral Occurrence
- 100' Contours
- Dolostone
- Overburden
- Basalt
- Oxide

0 20 40 60 80 100 m

Scale 1:1,500

ATAC RESOURCES LTD.

# Rackla Gold Property

## Puma - RAB Rock Types

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 19 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

530,100 mE | 530,400 mE | 530,700 mE | 531,000 mE | 531,300 mE | 531,600 mE | 531,900 mE | 532,200 mE | 532,500 mE | 532,800 mE

7,114,800 mN | 7,114,500 mN | 7,114,200 mN | 7,113,900 mN | 7,113,600 mN

ASR-20-022
ASR-20-023
ASR-20-016
ASR-20-015
ASR-20-020
ASR-20-021
ASR-20-013
ASR-20-014
ASR-20-012
ASR-20-011
ASR-20-017
ASR-20-018
ASR-20-025
ASR-20-024
Airstrip
ASR-16-005
ASR-16-007
ASR-16-006
ASR-20-019
ASR-16-001
ASR-16-003
ASR-16-002
ASR-16-004
ASR-20-008
ASR-20-009
ASR-20-010
N

## Legend

- 2020 RAB Collar
- 2016 RAB Collar
- Mineral Occurrence
- 100' Contours

RAB Samples (Au - g/t)

- <0.10
- 0.10 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 6.00

0 100 200 300 400 500 m

Scale 1:7,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Airstrip - RAB Results - Gold

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 20 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

529,000 mE

529,200 mE

529,400 mE

7,119,200 mN

7,119,000 mN

Cub

TGR-20-003

TGR-20-001

TGR-20-002

N

## Legend

- 2020 RAB Collar
- Mineral Occurrence
- 100' Contours

RAB Samples (Au - g/t)

- <0.1
- 0.1-0.5
- 0.5-1.0
- 1.0-2.0
- >2.0

0 20 40 60 80 100 m

Scale 1:1,500

ATAC RESOURCES LTD.

# Rackla Gold Property

## Cub - RAB Results - Gold

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 21 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

529,000 mE

529,200 mE

529,400 mE

7,119,200 mN

7,119,000 mN

Cub

TGR-20-003

TGR-20-001

TGR-20-002

N

## Legend

- 2020 RAB Collar
- Mineral Occurrence
- 100' Contours

RAB Samples (Cu - %)

- <0.050
- 0.050 - 0.10
- 0.10 - 0.20
- 0.20 - 1.00
- >1.00

0 20 40 60 80 100 m

Scale 1:1,500

ATAC RESOURCES LTD.

# Rackla Gold Property

## Cub - RAB Results - Copper

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 22 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

529,000 mE

529,200 mE

529,400 mE

7,119,200 mN

7,119,000 mN

Cub

TGR-20-003

TGR-20-001

TGR-20-002

N

## Legend

- 2020 RAB Collar
- Mineral Occurrence
- 100' Contours

RAB Samples (W - g/t)

- <100
- 100 - 200
- 200 - 500
- 500 - 1000
- >1000

0 20 40 60 80 100 m

Scale 1:1,500

ATAC RESOURCES LTD.

# Rackla Gold Property

## Cub - RAB Results - Tungsten

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 23 | AS | 1 |

C:\Users\aschn\OneDrive\Desktop\QGIS Workspaces\RacklaGoldProject\Rackla Gold Property.qgz

525,600 mE | 525,800 mE | 526,000 mE

7,122,000 mN

7,121,800 mN

PMR-20-001

PMR-20-002

PMR-20-004

PMR-20-003

Puma

N

## Legend

- 2020 RAB Collar
- Mineral Occurrence
- 100' Contours

RAB Samples (Ag - g/t)

- <10
- 10 - 50
- 50 - 100
- 100 - 500
- >500

0 20 40 60 80 100 m

Scale 1:1,500

ATAC RESOURCES LTD.

# Rackla Gold Property

## Puma - RAB Results - Silver

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 24 | AS | 1 |

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525,600 mE | 525,800 mE | 526,000 mE

7,122,000 mN

7,121,800 mN

PMR-20-001

PMR-20-002

PMR-20-003

PMR-20-004

Puma

N

## Legend

- 2020 RAB Collar
- Mineral Occurrence
- 100' Contours

RAB Samples (Pb - %)

- <0.050
- 0.050 - 0.10
- 0.10 - 0.20
- 0.20 - 1.00
- >1.00

0 20 40 60 80 100 m

Scale 1:1,500

ATAC RESOURCES LTD.

# Rackla Gold Property

## Puma - RAB Results - Lead

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 25 | AS | 1 |

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530,100 mE | 530,400 mE | 530,700 mE | 531,000 mE | 531,300 mE | 531,600 mE | 531,900 mE | 532,200 mE | 532,500 mE | 532,800 mE

7,114,800 mN | 7,114,500 mN | 7,114,200 mN | 7,113,900 mN | 7,113,600 mN

AS -20-006

AS -20-005

AS -20-002

Airstrip

AS -20-004

AS -20-001

AS -20-003

N

## Legend

- 2020 Rau Diamond Drill Collar
- Mineral Occurrence
- 100' Contours
- Overburden
- Basalt
- Fault Rock
- Phyllite
- Quartz Vein
- Sandstone
- Void

0 100 200 300 400 500 m

Scale 1:7,000

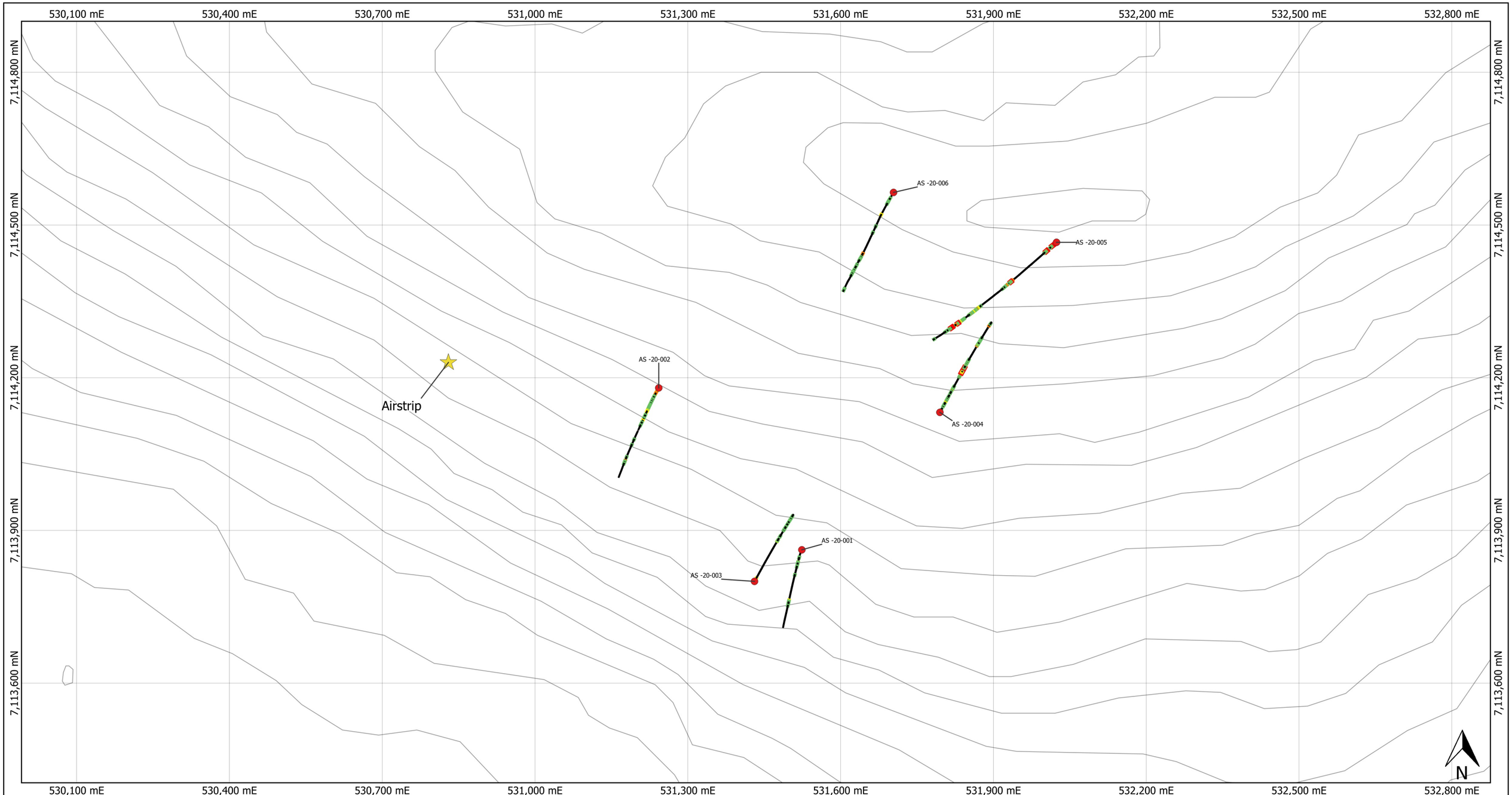
ATAC RESOURCES LTD.

# Rackla Gold Property

## Airstrip - Diamond Drill Rock Types

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 26 | AS | 1 |

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## Legend

- 2020 Rau Diamond Drill Collar
- Mineral Occurrence
- 100' Contours

Core Samples (Au - g/t)

- <0.10
- 0.10 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 7.33

0 100 200 300 400 500 m

Scale 1:7,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Airstrip - Diamond Drill Results - Gold

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 27 | AS | 1 |

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530,100 mE | 530,400 mE | 530,700 mE | 531,000 mE | 531,300 mE | 531,600 mE | 531,900 mE | 532,200 mE | 532,500 mE | 532,800 mE

7,114,800 mN | 7,114,500 mN | 7,114,200 mN | 7,113,900 mN | 7,113,600 mN

AS -20-006

AS -20-005

AS -20-002

Airstrip

AS -20-004

AS -20-001

AS -20-003

N

## Legend

- 2020 Diamond Drill Collar
- Mineral Occurrence
- 100' Contours

Core Samples (Ag - g/t)

- <10
- 10 - 50
- 50 - 100
- 100 - 500
- 500 - 3350

0 100 200 300 400 500 m

Scale 1:7,000

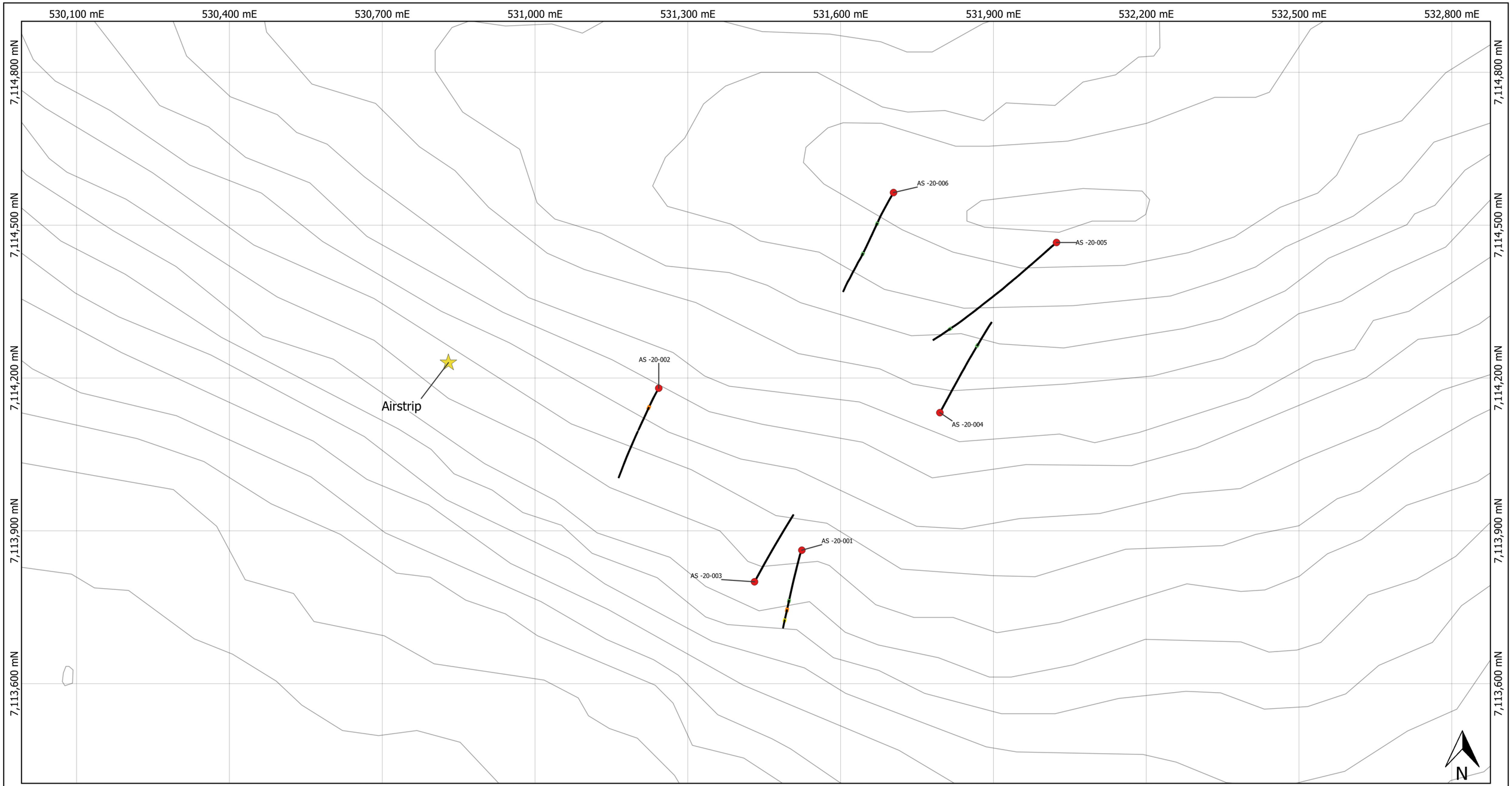
ATAC RESOURCES LTD.

# Rackla Gold Property

## Airstrip - Diamond Drill Results - Silver

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 28 | AS | 1 |

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## Legend

- 2020 Diamond Drill Collar
- Mineral Occurrence
- 100' Contours

Core Samples (Cu - %)

- <0.050
- 0.050 - 0.10
- 0.10 - 0.20
- 0.20 - 1.00
- >1.00

0 100 200 300 400 500 m

Scale 1:7,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Airstrip - Diamond Drill Results - Copper

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 29 | AS | 1 |

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530,100 mE | 530,400 mE | 530,700 mE | 531,000 mE | 531,300 mE | 531,600 mE | 531,900 mE | 532,200 mE | 532,500 mE | 532,800 mE

7,114,800 mN | 7,114,500 mN | 7,114,200 mN | 7,113,900 mN | 7,113,600 mN

AS -20-006

AS -20-005

AS -20-002

Airstrip

AS -20-004

AS -20-001

AS -20-003

N

## Legend

- 2020 Diamond Drill Collar
- Mineral Occurrence
- 100' Contours

Core Samples (W - g/t)

- <100
- 100 - 200
- 200 - 500
- 500 - 1000
- 1000 - 5620

0 100 200 300 400 500 m

Scale 1:7,000

ATAC RESOURCES LTD.

# Rackla Gold Property

## Airstrip - Diamond Drill Results - Tungsten

| Coordinate System | Date | Fig. # | Author | Rev |
|---|---|---|---|---|
| UTM NAD 83 Zone 8N | February 2021 | 30 | AS | 1 |

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## APPENDIX I

## STATEMENT OF QUALIFICATIONS

## STATEMENT OF QUALIFICATIONS

I, Austin Schneebeli, geologist, with business address in Vancouver, British Columbia and residential address in Victoria, British Columbia, hereby certify that:

1. I graduated from the University of Victoria in 2020 with a B.Sc. in Earth Sciences.

2. From 2018 to present, I have been actively engaged in mineral exploration in Yukon Territory.

3. I am a Geoscientist-In-Training (G.I.T.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 214745).

4. I have participated in the interpretation of data resulting from the fieldwork reported herein.



Austin Schneebeli, B.Sc., G.I.T.

**APPENDIX II**

**STATEMENT OF EXPENDITURES**

**Rackla Gold - Group J**
**Statement of Expenditures**

| | |
|---|---|
| Superior Drilling - Rab Drill | $ 43,560.49 |
| Superior Drilling - Diamond Drilling | $ 188,949.88 |
| Alkan Air | $ 92,161.14 |
| Horizon Helicopters | $ 168,788.71 |
| Diesel and Jet Fuel | $ 38,939.76 |
| | $ 532,399.98 |

Total Filed Expenditures $ 532,399.98

Elizabeth Smith
March 1, 2021

**Rackla Gold - Group K**
**Statement of Expenditures**

| | |
|---|---|
| Superior Drilling - Rab Drill | $ 116,079.65 |
| Superior Drilling - Diamond Drill | $ 177,922.66 |
| Alkan Air | $ 92,161.14 |
| Horizon Helicopters | $ 168,788.71 |
| Diesel and Jet Fuel | $ 38,939.76 |
| | $ 593,891.92 |

Total Filed Expenditures $ 593,891.92

Elizabeth Smith
March 1, 2021

**Rackla Gold - Group L**
**Statement of Expenditures**

| | |
|---|---|
| Superior Drilling - Rab Drill | $ 74,177.72 |
| Superior Drilling - Diamond Drilling | $ 132,017.98 |
| Alkan Air | $ 92,161.14 |
| Horizon Helicopters | $ 168,788.71 |
| Diesel and Jet Fuel | $ 38,939.76 |
| | $ 506,085.31 |

Total Filed Expenditures $ 506,085.31

Elizabeth Smith
March 1, 2021

# APPENDIX III

# DIGITAL COPY OF SOIL SAMPLE DESCRIPTIONS

# APPENDIX IV

# SOIL SAMPLE CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

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

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


**Finalized Date: 11-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20165310

Project: Rau

P.O. No.: R20-S01

This report is for 136 Soil samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| SCR-41 | Screen to -180um and save both |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-ICP21 | Au 30g FA ICP-AES Finish | ICP-AES |
| ME-MS41 | Ultra Trace Aqua Regia ICP-MS | |

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

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

**Signature:**



Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

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


**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| YY17251 | | 0.58 | 0.91 | 1.38 | 12.6 | <0.02 | <10 | 390 | 0.63 | 0.20 | 1.14 | 4.94 | 27.5 | 16.6 | 41 | 1.04 |
| YY17252 | | 0.38 | 0.79 | 2.11 | 5.0 | <0.02 | <10 | 700 | 0.44 | 0.18 | 1.33 | 1.12 | 22.1 | 38.9 | 146 | 2.86 |
| YY17253 | | 0.57 | 0.09 | 6.02 | 2.9 | <0.02 | <10 | 6060 | 0.32 | 0.01 | 2.69 | 0.14 | 6.44 | 51.0 | 121 | 17.35 |
| YY17254 | | 0.53 | 0.20 | 1.42 | 11.8 | <0.02 | <10 | 500 | 0.49 | 0.20 | 0.53 | 0.18 | 34.6 | 11.5 | 30 | 0.95 |
| YY17255 | | 0.54 | 0.05 | 2.64 | 20.4 | <0.02 | <10 | 750 | 0.67 | 0.33 | 0.18 | 0.11 | 30.5 | 19.6 | 59 | 1.51 |
| YY17256 | | 0.55 | 0.22 | 1.85 | 16.8 | <0.02 | <10 | 210 | 0.56 | 0.37 | 0.14 | 0.28 | 33.1 | 10.3 | 27 | 1.04 |
| YY17257 | | 0.64 | 0.16 | 1.66 | 23.5 | <0.02 | <10 | 300 | 0.65 | 0.49 | 0.25 | 0.32 | 41.1 | 11.9 | 29 | 1.05 |
| YY17258 | | 0.56 | 0.06 | 1.53 | 29.3 | <0.02 | <10 | 160 | 0.34 | 0.14 | 0.13 | 0.10 | 19.90 | 6.5 | 23 | 4.90 |
| YY17259 | | 0.63 | 0.34 | 1.96 | 40.7 | <0.02 | <10 | 360 | 0.82 | 0.76 | 0.15 | 0.21 | 41.6 | 12.5 | 33 | 1.19 |
| YY17260 | | 0.60 | 0.16 | 1.59 | 22.5 | <0.02 | <10 | 250 | 0.58 | 0.28 | 0.22 | 0.07 | 44.6 | 10.0 | 28 | 1.05 |
| YY17261 | | 0.54 | 0.20 | 1.84 | 42.5 | <0.02 | <10 | 220 | 0.59 | 0.40 | 0.15 | 0.11 | 38.7 | 10.7 | 29 | 1.20 |
| YY17262 | | 0.43 | 0.09 | 2.25 | 151.5 | <0.02 | <10 | 280 | 0.51 | 1.14 | 0.09 | 0.19 | 22.7 | 9.5 | 29 | 3.72 |
| YY17263 | | 0.61 | 0.18 | 2.36 | 125.5 | <0.02 | <10 | 260 | 0.91 | 0.78 | 0.04 | 0.20 | 44.7 | 10.6 | 34 | 1.37 |
| YY17264 | | 0.57 | 0.08 | 1.66 | 52.5 | <0.02 | <10 | 150 | 0.44 | 0.59 | 0.08 | 0.25 | 30.6 | 16.0 | 31 | 1.11 |
| YY17265 | | 0.50 | 0.26 | 1.85 | 39.6 | <0.02 | <10 | 230 | 0.53 | 0.49 | 0.08 | 0.30 | 27.6 | 9.0 | 27 | 1.04 |
| YY17266 | | 0.51 | 0.12 | 2.62 | 780 | 0.11 | <10 | 290 | 0.72 | 0.92 | 0.17 | 0.55 | 37.4 | 23.7 | 27 | 3.30 |
| YY17267 | | 0.62 | 0.25 | 1.56 | 212 | 0.07 | <10 | 230 | 0.70 | 8.23 | 0.10 | 0.20 | 30.3 | 28.6 | 23 | 0.91 |
| YY17268 | | 0.65 | 0.15 | 2.13 | 121.0 | 0.04 | <10 | 270 | 0.78 | 1.11 | 0.17 | 0.43 | 37.0 | 11.8 | 33 | 1.13 |
| YY17269 | | 0.61 | 0.31 | 1.37 | 51.7 | <0.02 | 10 | 230 | 0.58 | 0.40 | 5.24 | 0.82 | 25.2 | 12.6 | 26 | 1.02 |
| YY17270 | | 0.57 | 0.32 | 1.69 | 32.9 | <0.02 | 10 | 260 | 0.75 | 0.36 | 1.95 | 0.66 | 29.2 | 13.7 | 31 | 1.04 |
| YY17271 | | 0.56 | 0.29 | 1.60 | 39.1 | <0.02 | <10 | 240 | 0.66 | 0.41 | 0.52 | 0.38 | 29.1 | 12.2 | 29 | 0.96 |
| YY17272 | | 0.55 | 0.12 | 1.14 | 985 | 0.02 | <10 | 220 | 0.67 | 2.85 | 0.10 | 0.11 | 42.3 | 18.7 | 19 | 0.73 |
| YY17273 | | 0.83 | 0.15 | 1.90 | 124.5 | <0.02 | <10 | 290 | 0.64 | 1.60 | 0.19 | 0.27 | 36.7 | 11.9 | 31 | 1.04 |
| YY17274 | | 0.55 | 0.16 | 1.63 | 79.7 | <0.02 | <10 | 190 | 0.42 | 0.74 | 0.10 | 0.22 | 26.5 | 9.1 | 31 | 1.00 |
| YY17275 | | 0.56 | 0.16 | 1.99 | 48.5 | <0.02 | <10 | 210 | 0.48 | 0.64 | 0.11 | 0.18 | 27.1 | 8.1 | 32 | 1.13 |
| YY17276 | | 0.50 | 0.94 | 1.21 | 58.5 | <0.02 | <10 | 340 | 0.49 | 0.75 | 0.75 | 0.69 | 25.7 | 7.6 | 20 | 1.17 |
| YY17277 | | 0.65 | 0.13 | 2.02 | 71.0 | <0.02 | <10 | 320 | 0.81 | 0.88 | 0.27 | 0.55 | 40.0 | 12.7 | 32 | 1.18 |
| YY17278 | | 0.62 | 0.31 | 1.76 | 70.3 | <0.02 | <10 | 290 | 0.73 | 0.74 | 0.61 | 0.53 | 37.4 | 13.3 | 27 | 1.09 |
| YY17279 | | 0.52 | 0.33 | 1.48 | 75.5 | <0.02 | 10 | 270 | 0.62 | 0.91 | 2.06 | 0.86 | 29.3 | 12.5 | 24 | 0.95 |
| YY17280 | | 0.51 | 0.54 | 0.79 | 172.5 | 0.03 | <10 | 160 | 0.51 | 6.45 | 1.17 | 0.51 | 38.9 | 19.9 | 14 | 0.61 |
| YY17281 | | 0.47 | 0.41 | 0.89 | 191.0 | 0.02 | <10 | 170 | 0.48 | 6.38 | 1.00 | 0.62 | 43.0 | 16.1 | 14 | 0.58 |
| YY17282 | | 0.49 | 0.31 | 0.73 | 810 | 0.09 | <10 | 150 | 0.38 | 7.15 | 0.46 | 0.29 | 57.6 | 26.6 | 12 | 0.48 |
| YY17283 | | 0.44 | 0.39 | 0.92 | 308 | 0.02 | <10 | 230 | 0.40 | 3.67 | 1.42 | 0.23 | 20.5 | 11.6 | 16 | 0.43 |
| YY17284 | | 0.40 | 0.25 | 1.23 | 249 | 0.02 | <10 | 210 | 0.43 | 3.06 | 0.89 | 0.18 | 25.2 | 13.4 | 18 | 0.87 |
| YY17285 | | 0.31 | 0.26 | 1.06 | 116.0 | <0.02 | <10 | 210 | 0.46 | 1.48 | 1.46 | 0.43 | 24.2 | 14.9 | 18 | 0.60 |
| YY17286 | | 0.24 | 0.24 | 1.01 | 73.2 | <0.02 | <10 | 220 | 0.45 | 1.12 | 2.32 | 0.53 | 14.15 | 10.8 | 17 | 0.53 |
| YY17287 | | 0.24 | 0.25 | 0.84 | 84.2 | <0.02 | <10 | 170 | 0.35 | 1.10 | 2.44 | 0.35 | 13.70 | 9.2 | 14 | 0.44 |
| YY17288 | | 0.18 | 0.42 | 0.69 | 145.5 | 0.15 | <10 | 140 | 0.34 | 15.90 | 2.24 | 0.27 | 18.75 | 11.4 | 13 | 0.50 |
| YY17289 | | 0.18 | 0.24 | 0.55 | 67.7 | 0.02 | <10 | 150 | 0.27 | 3.10 | 3.33 | 0.31 | 11.25 | 8.5 | 9 | 0.32 |
| YY17290 | | 0.14 | 0.21 | 0.48 | 104.5 | 0.02 | <10 | 120 | 0.24 | 2.30 | 3.70 | 0.25 | 9.02 | 8.4 | 8 | 0.29 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| YY17251 | | 78.5 | 3.49 | 4.19 | 0.05 | 0.05 | 0.11 | 0.032 | 0.11 | 14.5 | 17.5 | 0.68 | 595 | 6.72 | 0.02 | 0.76 |
| YY17252 | | 63.8 | 6.28 | 7.23 | 0.05 | <0.02 | 0.04 | 0.035 | 0.08 | 10.9 | 25.5 | 0.79 | 1060 | 1.47 | 0.02 | 2.51 |
| YY17253 | | 39.8 | 9.04 | 20.5 | 0.29 | 0.02 | <0.01 | 0.097 | 0.74 | 2.9 | 64.9 | 5.37 | 895 | 0.16 | 0.03 | 1.95 |
| YY17254 | | 25.2 | 2.86 | 4.05 | 0.05 | 0.04 | 0.04 | 0.022 | 0.06 | 16.8 | 15.1 | 0.53 | 509 | 1.58 | 0.02 | 0.86 |
| YY17255 | | 46.8 | 4.24 | 6.23 | 0.05 | 0.02 | 0.02 | 0.039 | 0.07 | 14.5 | 22.7 | 0.89 | 536 | 1.69 | 0.02 | 1.02 |
| YY17256 | | 31.4 | 3.19 | 4.71 | 0.05 | 0.02 | 0.05 | 0.030 | 0.08 | 15.7 | 17.4 | 0.42 | 412 | 2.21 | 0.01 | 0.82 |
| YY17257 | | 60.0 | 3.25 | 4.41 | 0.06 | 0.02 | 0.09 | 0.029 | 0.11 | 21.2 | 16.1 | 0.55 | 539 | 2.21 | 0.01 | 0.57 |
| YY17258 | | 35.9 | 2.38 | 4.39 | 0.06 | <0.02 | 0.01 | 0.014 | 0.26 | 10.1 | 19.1 | 1.27 | 192 | 0.80 | 0.01 | 0.51 |
| YY17259 | | 89.9 | 3.86 | 4.63 | 0.06 | 0.02 | 0.09 | 0.039 | 0.10 | 21.0 | 18.6 | 0.50 | 568 | 2.43 | 0.01 | 0.59 |
| YY17260 | | 32.5 | 2.87 | 4.32 | 0.06 | 0.02 | 0.09 | 0.024 | 0.05 | 23.3 | 14.2 | 0.45 | 366 | 1.28 | 0.01 | 0.84 |
| YY17261 | | 20.0 | 2.99 | 5.01 | 0.05 | 0.02 | 0.04 | 0.027 | 0.06 | 18.1 | 15.2 | 0.44 | 378 | 1.32 | 0.01 | 1.07 |
| YY17262 | | 19.2 | 4.20 | 6.84 | <0.05 | <0.02 | 0.03 | 0.030 | 0.13 | 12.1 | 20.8 | 0.58 | 278 | 1.39 | 0.01 | 4.14 |
| YY17263 | | 55.8 | 4.29 | 5.57 | 0.08 | 0.03 | 0.07 | 0.042 | 0.13 | 25.4 | 18.3 | 0.55 | 319 | 2.43 | 0.01 | 1.23 |
| YY17264 | | 23.8 | 4.02 | 4.85 | <0.05 | <0.02 | 0.02 | 0.029 | 0.11 | 14.6 | 18.2 | 0.45 | 844 | 2.72 | 0.01 | 0.87 |
| YY17265 | | 19.6 | 3.39 | 6.06 | <0.05 | <0.02 | 0.03 | 0.029 | 0.05 | 14.0 | 16.0 | 0.35 | 469 | 1.74 | 0.01 | 1.07 |
| YY17266 | | 17.0 | 6.02 | 7.29 | 0.05 | <0.02 | 0.02 | 0.036 | 0.27 | 18.3 | 22.0 | 1.29 | 1480 | 2.18 | 0.01 | 0.94 |
| YY17267 | | 39.5 | 5.75 | 3.73 | <0.05 | 0.02 | 0.05 | 0.029 | 0.11 | 15.1 | 11.2 | 0.28 | 1160 | 9.43 | 0.01 | 0.43 |
| YY17268 | | 31.5 | 3.72 | 5.17 | 0.05 | <0.02 | 0.03 | 0.033 | 0.11 | 17.5 | 17.3 | 0.51 | 486 | 2.55 | 0.01 | 0.76 |
| YY17269 | | 44.9 | 3.25 | 3.62 | <0.05 | 0.07 | 0.08 | 0.031 | 0.18 | 12.8 | 14.0 | 2.59 | 705 | 2.53 | 0.02 | 0.55 |
| YY17270 | | 44.0 | 3.75 | 4.49 | 0.05 | 0.07 | 0.09 | 0.035 | 0.18 | 14.7 | 16.6 | 1.41 | 903 | 2.66 | 0.01 | 0.67 |
| YY17271 | | 35.3 | 3.64 | 4.24 | 0.05 | 0.03 | 0.03 | 0.031 | 0.15 | 14.2 | 16.0 | 0.58 | 579 | 2.19 | 0.01 | 0.72 |
| YY17272 | | 80.7 | 6.16 | 2.78 | 0.06 | 0.04 | 0.07 | 0.024 | 0.06 | 23.1 | 7.8 | 0.27 | 1760 | 4.94 | 0.01 | 0.34 |
| YY17273 | | 43.5 | 3.58 | 4.64 | 0.05 | 0.02 | 0.04 | 0.032 | 0.09 | 17.0 | 15.2 | 0.49 | 489 | 2.45 | 0.01 | 0.89 |
| YY17274 | | 29.2 | 3.62 | 5.43 | <0.05 | <0.02 | 0.03 | 0.029 | 0.08 | 13.4 | 16.1 | 0.45 | 308 | 2.42 | 0.01 | 0.83 |
| YY17275 | | 25.1 | 3.43 | 5.71 | <0.05 | <0.02 | 0.02 | 0.030 | 0.07 | 13.4 | 17.8 | 0.46 | 253 | 1.65 | 0.01 | 1.19 |
| YY17276 | | 47.4 | 2.48 | 3.85 | <0.05 | <0.02 | 0.06 | 0.029 | 0.10 | 13.6 | 7.4 | 0.34 | 421 | 1.78 | 0.01 | 0.43 |
| YY17277 | | 54.5 | 4.05 | 4.83 | 0.05 | 0.03 | 0.06 | 0.040 | 0.16 | 20.8 | 16.2 | 0.58 | 647 | 2.93 | 0.01 | 0.87 |
| YY17278 | | 53.7 | 3.81 | 4.73 | 0.05 | 0.04 | 0.05 | 0.032 | 0.18 | 19.3 | 15.4 | 0.65 | 652 | 2.77 | 0.01 | 1.02 |
| YY17279 | | 53.4 | 3.56 | 3.91 | 0.05 | 0.06 | 0.07 | 0.032 | 0.19 | 15.5 | 13.5 | 1.34 | 629 | 2.90 | 0.02 | 0.77 |
| YY17280 | | 40.7 | 4.65 | 2.38 | 0.06 | 0.10 | 0.07 | 0.022 | 0.12 | 23.1 | 7.8 | 0.57 | 815 | 5.47 | 0.01 | 0.54 |
| YY17281 | | 39.8 | 4.61 | 2.50 | 0.06 | 0.09 | 0.05 | 0.024 | 0.11 | 26.3 | 8.0 | 0.39 | 969 | 4.98 | 0.01 | 0.42 |
| YY17282 | | 26.6 | 5.39 | 2.34 | 0.07 | 0.05 | 0.03 | 0.023 | 0.07 | 32.6 | 4.1 | 0.28 | 772 | 1.89 | 0.01 | 0.98 |
| YY17283 | | 34.9 | 3.16 | 2.55 | <0.05 | 0.06 | 0.07 | 0.041 | 0.07 | 12.4 | 8.3 | 0.40 | 544 | 1.32 | 0.01 | 0.57 |
| YY17284 | | 24.2 | 3.49 | 3.55 | <0.05 | 0.04 | 0.04 | 0.032 | 0.14 | 14.5 | 11.2 | 0.57 | 567 | 1.28 | 0.01 | 2.51 |
| YY17285 | | 66.6 | 3.43 | 3.10 | <0.05 | 0.06 | 0.03 | 0.035 | 0.10 | 13.1 | 9.8 | 0.53 | 899 | 2.05 | 0.01 | 0.95 |
| YY17286 | | 46.5 | 2.50 | 2.79 | <0.05 | 0.05 | 0.04 | 0.032 | 0.08 | 8.0 | 7.7 | 0.54 | 494 | 0.94 | 0.01 | 0.72 |
| YY17287 | | 33.7 | 2.22 | 2.28 | <0.05 | 0.05 | 0.05 | 0.038 | 0.07 | 7.8 | 7.5 | 0.48 | 627 | 0.87 | 0.01 | 0.79 |
| YY17288 | | 62.2 | 2.94 | 2.00 | <0.05 | 0.06 | 0.05 | 0.030 | 0.06 | 10.8 | 6.3 | 0.50 | 533 | 0.87 | 0.01 | 0.63 |
| YY17289 | | 54.9 | 1.84 | 1.40 | <0.05 | 0.05 | 0.04 | 0.020 | 0.04 | 6.3 | 3.3 | 0.49 | 784 | 0.56 | 0.02 | 0.38 |
| YY17290 | | 46.3 | 1.65 | 1.27 | <0.05 | 0.04 | 0.04 | 0.015 | 0.03 | 5.1 | 3.3 | 0.39 | 619 | 0.60 | 0.02 | 0.41 |

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

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**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| YY17251 | | 112.5 | 1290 | 24.2 | 12.0 | 0.003 | 0.07 | 2.33 | 4.1 | 2.6 | 0.4 | 47.0 | <0.01 | 0.05 | 2.3 | 0.032 |
| YY17252 | | 133.0 | 1300 | 12.1 | 15.0 | <0.001 | 0.06 | 0.92 | 5.6 | 1.8 | 0.6 | 60.4 | 0.01 | 0.04 | 1.1 | 0.104 |
| YY17253 | | 78.8 | 2920 | 2.2 | 37.6 | <0.001 | 0.02 | 0.46 | 22.0 | 0.2 | 1.7 | 86.7 | <0.01 | <0.01 | 1.0 | 0.365 |
| YY17254 | | 28.6 | 1100 | 11.8 | 8.9 | <0.001 | 0.02 | 0.93 | 3.5 | 0.5 | 0.4 | 28.9 | <0.01 | 0.03 | 3.3 | 0.047 |
| YY17255 | | 52.4 | 570 | 16.2 | 10.5 | <0.001 | 0.02 | 0.95 | 6.1 | 0.7 | 0.6 | 16.5 | <0.01 | 0.04 | 2.8 | 0.049 |
| YY17256 | | 31.0 | 820 | 20.4 | 9.5 | <0.001 | 0.02 | 1.16 | 2.6 | 1.2 | 0.5 | 14.6 | <0.01 | 0.04 | 2.4 | 0.029 |
| YY17257 | | 36.6 | 1070 | 24.1 | 11.4 | <0.001 | 0.02 | 1.33 | 4.8 | 0.7 | 0.5 | 24.3 | <0.01 | 0.04 | 4.6 | 0.037 |
| YY17258 | | 17.2 | 920 | 3.9 | 18.0 | <0.001 | 0.02 | 0.50 | 1.9 | 0.4 | 0.8 | 13.9 | <0.01 | 0.02 | 3.4 | 0.067 |
| YY17259 | | 48.4 | 960 | 21.1 | 12.6 | <0.001 | 0.02 | 1.25 | 4.7 | 0.9 | 0.6 | 14.1 | <0.01 | 0.05 | 3.1 | 0.021 |
| YY17260 | | 26.1 | 710 | 11.7 | 9.2 | <0.001 | 0.01 | 1.45 | 3.9 | 0.7 | 0.5 | 14.7 | <0.01 | 0.03 | 3.7 | 0.037 |
| YY17261 | | 28.0 | 660 | 13.5 | 10.1 | <0.001 | 0.02 | 0.82 | 3.3 | 1.0 | 0.6 | 13.0 | 0.01 | 0.04 | 3.4 | 0.040 |
| YY17262 | | 31.3 | 710 | 23.2 | 14.4 | <0.001 | 0.02 | 0.96 | 3.0 | 0.7 | 3.0 | 11.6 | 0.01 | 0.04 | 1.7 | 0.086 |
| YY17263 | | 43.6 | 410 | 33.3 | 13.1 | <0.001 | 0.01 | 1.46 | 6.0 | 0.8 | 0.9 | 5.5 | <0.01 | 0.05 | 4.1 | 0.017 |
| YY17264 | | 31.4 | 770 | 24.9 | 14.3 | <0.001 | 0.02 | 1.37 | 2.1 | 0.9 | 0.5 | 8.3 | <0.01 | 0.04 | 1.9 | 0.026 |
| YY17265 | | 19.2 | 510 | 17.2 | 10.3 | <0.001 | 0.02 | 0.75 | 2.0 | 0.4 | 0.7 | 8.0 | <0.01 | 0.03 | 0.8 | 0.028 |
| YY17266 | | 50.1 | 800 | 19.0 | 24.7 | <0.001 | 0.04 | 0.97 | 3.4 | 0.5 | 3.1 | 13.2 | <0.01 | 0.03 | 1.7 | 0.081 |
| YY17267 | | 60.4 | 1530 | 21.2 | 11.8 | <0.001 | 0.03 | 3.48 | 2.3 | 1.5 | 0.6 | 8.4 | <0.01 | 0.15 | 1.9 | 0.011 |
| YY17268 | | 36.1 | 580 | 19.7 | 13.2 | <0.001 | 0.01 | 1.13 | 3.0 | 0.9 | 0.6 | 11.0 | <0.01 | 0.05 | 1.7 | 0.024 |
| YY17269 | | 38.0 | 1050 | 27.6 | 11.2 | <0.001 | 0.02 | 1.61 | 3.9 | 0.7 | 0.4 | 59.0 | <0.01 | 0.05 | 2.6 | 0.022 |
| YY17270 | | 44.6 | 780 | 32.8 | 13.1 | <0.001 | 0.03 | 1.62 | 4.7 | 0.7 | 0.4 | 24.7 | <0.01 | 0.04 | 2.8 | 0.021 |
| YY17271 | | 34.8 | 780 | 21.6 | 12.5 | <0.001 | 0.02 | 1.28 | 3.2 | 0.7 | 0.5 | 17.0 | <0.01 | 0.04 | 2.1 | 0.027 |
| YY17272 | | 55.7 | 780 | 11.4 | 8.0 | <0.001 | 0.02 | 1.76 | 3.1 | 1.3 | 0.6 | 8.2 | <0.01 | 0.08 | 3.7 | 0.016 |
| YY17273 | | 40.1 | 690 | 16.2 | 10.3 | <0.001 | 0.02 | 1.35 | 3.2 | 0.9 | 0.6 | 14.2 | <0.01 | 0.05 | 3.6 | 0.030 |
| YY17274 | | 29.1 | 690 | 13.4 | 12.6 | <0.001 | 0.02 | 1.07 | 1.6 | 0.9 | 0.6 | 10.2 | <0.01 | 0.05 | 0.5 | 0.026 |
| YY17275 | | 25.7 | 550 | 13.9 | 9.6 | <0.001 | 0.02 | 0.71 | 2.2 | 0.7 | 0.6 | 9.5 | <0.01 | 0.04 | 1.4 | 0.029 |
| YY17276 | | 32.2 | 1030 | 18.1 | 10.7 | <0.001 | 0.03 | 0.96 | 0.6 | 0.9 | 0.6 | 21.2 | <0.01 | 0.04 | <0.2 | 0.009 |
| YY17277 | | 46.8 | 760 | 24.3 | 13.7 | <0.001 | 0.02 | 1.62 | 4.9 | 0.8 | 0.6 | 13.5 | <0.01 | 0.05 | 3.4 | 0.020 |
| YY17278 | | 38.9 | 880 | 28.2 | 15.5 | <0.001 | 0.03 | 1.67 | 3.8 | 0.9 | 0.6 | 18.8 | <0.01 | 0.06 | 3.5 | 0.026 |
| YY17279 | | 42.8 | 1130 | 25.8 | 12.8 | <0.001 | 0.03 | 1.89 | 3.5 | 0.9 | 0.5 | 27.2 | <0.01 | 0.05 | 2.7 | 0.021 |
| YY17280 | | 64.2 | 1690 | 28.9 | 9.5 | <0.001 | 0.03 | 2.96 | 2.9 | 1.4 | 0.3 | 22.6 | <0.01 | 0.08 | 3.2 | 0.012 |
| YY17281 | | 54.5 | 1750 | 19.0 | 8.6 | <0.001 | 0.04 | 1.63 | 2.7 | 1.1 | 0.3 | 19.5 | <0.01 | 0.06 | 2.6 | 0.013 |
| YY17282 | | 60.2 | 1350 | 7.3 | 5.4 | <0.001 | 0.05 | 2.62 | 3.0 | 1.7 | 1.4 | 27.0 | <0.01 | 0.16 | 8.6 | 0.012 |
| YY17283 | | 34.1 | 870 | 12.8 | 7.6 | <0.001 | 0.08 | 1.67 | 2.5 | 1.0 | 0.7 | 40.7 | <0.01 | 0.06 | 1.7 | 0.011 |
| YY17284 | | 27.6 | 870 | 13.0 | 16.5 | 0.001 | 0.07 | 1.03 | 2.9 | 0.8 | 1.0 | 29.3 | <0.01 | 0.05 | 2.2 | 0.030 |
| YY17285 | | 37.3 | 1160 | 15.0 | 12.1 | 0.002 | 0.07 | 1.24 | 2.5 | 0.7 | 0.7 | 40.9 | <0.01 | 0.05 | 1.5 | 0.016 |
| YY17286 | | 35.4 | 780 | 11.0 | 8.8 | 0.002 | 0.12 | 1.01 | 1.8 | 1.0 | 0.5 | 51.0 | <0.01 | 0.03 | 0.7 | 0.013 |
| YY17287 | | 25.1 | 770 | 16.6 | 8.2 | 0.005 | 0.13 | 0.91 | 1.5 | 1.0 | 0.4 | 47.4 | <0.01 | 0.03 | 0.6 | 0.013 |
| YY17288 | | 30.9 | 960 | 10.7 | 7.0 | 0.002 | 0.12 | 0.91 | 1.7 | 1.4 | 0.5 | 61.2 | <0.01 | 0.13 | 1.4 | 0.014 |
| YY17289 | | 24.5 | 780 | 7.0 | 4.6 | 0.002 | 0.16 | 0.74 | 1.0 | 1.3 | 0.4 | 61.5 | <0.01 | 0.06 | 0.5 | 0.010 |
| YY17290 | | 19.2 | 730 | 4.7 | 3.3 | 0.002 | 0.18 | 0.86 | 0.9 | 1.6 | 0.3 | 59.9 | <0.01 | 0.06 | 0.4 | 0.010 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| YY17251 | | 0.19 | 6.98 | 52 | 0.15 | 14.15 | 432 | 2.0 | 0.006 |
| YY17252 | | 0.24 | 0.69 | 120 | 0.14 | 11.20 | 116 | 0.5 | 0.002 |
| YY17253 | | 0.54 | 0.06 | 300 | 0.09 | 19.20 | 126 | <0.5 | <0.001 |
| YY17254 | | 0.12 | 1.71 | 48 | 0.25 | 9.98 | 89 | 1.0 | 0.002 |
| YY17255 | | 0.21 | 0.72 | 87 | 0.18 | 7.37 | 91 | 0.6 | 0.003 |
| YY17256 | | 0.21 | 0.99 | 52 | 0.19 | 5.12 | 85 | 0.8 | 0.012 |
| YY17257 | | 0.24 | 1.15 | 54 | 0.17 | 11.75 | 115 | 0.9 | 0.007 |
| YY17258 | | 0.37 | 0.54 | 45 | 0.05 | 3.12 | 42 | <0.5 | 0.004 |
| YY17259 | | 0.20 | 1.47 | 54 | 0.16 | 13.30 | 94 | 0.5 | 0.011 |
| YY17260 | | 0.27 | 1.55 | 46 | 0.22 | 10.50 | 66 | 0.6 | 0.005 |
| YY17261 | | 0.16 | 1.25 | 52 | 0.24 | 8.14 | 80 | 0.5 | 0.005 |
| YY17262 | | 0.23 | 0.45 | 74 | 0.42 | 2.82 | 68 | <0.5 | 0.014 |
| YY17263 | | 0.21 | 1.01 | 67 | 0.13 | 18.40 | 121 | 1.1 | 0.052 |
| YY17264 | | 0.18 | 0.59 | 57 | 0.17 | 2.92 | 139 | <0.5 | 0.023 |
| YY17265 | | 0.15 | 0.56 | 70 | 0.19 | 4.18 | 89 | <0.5 | 0.086 |
| YY17266 | | 0.34 | 0.81 | 66 | 0.14 | 4.40 | 234 | 0.5 | 0.314 |
| YY17267 | | 0.18 | 1.63 | 40 | 0.22 | 5.19 | 82 | 0.7 | 0.172 |
| YY17268 | | 0.19 | 1.42 | 61 | 0.20 | 7.04 | 119 | 0.5 | 0.022 |
| YY17269 | | 0.17 | 0.71 | 41 | 0.11 | 10.10 | 133 | 2.2 | 0.005 |
| YY17270 | | 0.19 | 0.61 | 51 | 0.11 | 12.10 | 161 | 2.3 | 0.007 |
| YY17271 | | 0.14 | 0.86 | 48 | 0.17 | 7.49 | 120 | 1.1 | 0.021 |
| YY17272 | | 0.13 | 5.19 | 33 | 0.20 | 9.35 | 51 | 2.6 | 0.080 |
| YY17273 | | 0.18 | 1.17 | 57 | 0.21 | 6.04 | 98 | 0.7 | 0.026 |
| YY17274 | | 0.18 | 0.64 | 62 | 0.64 | 3.24 | 86 | <0.5 | 0.009 |
| YY17275 | | 0.20 | 0.67 | 65 | 0.24 | 3.72 | 94 | <0.5 | 0.004 |
| YY17276 | | 0.10 | 1.79 | 39 | 0.13 | 7.72 | 65 | <0.5 | 0.008 |
| YY17277 | | 0.20 | 1.04 | 57 | 0.18 | 12.50 | 131 | 1.0 | 0.013 |
| YY17278 | | 0.14 | 0.88 | 51 | 0.13 | 9.20 | 128 | 1.7 | 0.011 |
| YY17279 | | 0.18 | 0.84 | 46 | 0.13 | 10.05 | 141 | 2.4 | 0.023 |
| YY17280 | | 0.11 | 1.49 | 24 | 0.26 | 11.10 | 98 | 4.5 | 0.079 |
| YY17281 | | 0.08 | 1.61 | 25 | 0.24 | 11.65 | 83 | 3.4 | 0.061 |
| YY17282 | | 0.10 | 1.20 | 18 | 0.18 | 10.15 | 107 | 3.8 | 0.367 |
| YY17283 | | 0.09 | 1.57 | 26 | 0.12 | 9.41 | 54 | 2.2 | 0.056 |
| YY17284 | | 0.13 | 1.39 | 35 | 0.20 | 7.49 | 61 | 1.7 | 0.036 |
| YY17285 | | 0.09 | 1.20 | 34 | 0.15 | 7.04 | 65 | 2.2 | 0.018 |
| YY17286 | | 0.07 | 2.17 | 32 | 0.09 | 6.44 | 50 | 1.9 | 0.019 |
| YY17287 | | 0.08 | 2.90 | 26 | 0.10 | 6.06 | 67 | 1.8 | 0.017 |
| YY17288 | | 0.07 | 2.07 | 20 | 0.10 | 8.38 | 41 | 2.6 | 0.340 |
| YY17289 | | 0.04 | 2.33 | 13 | 0.05 | 5.95 | 24 | 2.3 | 0.024 |
| YY17290 | | 0.04 | 3.02 | 13 | 0.07 | 5.41 | 20 | 2.0 | 0.021 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| YY17291 | | 0.14 | 0.31 | 0.64 | 131.0 | 0.08 | <10 | 180 | 0.29 | 2.52 | 3.41 | 0.28 | 11.00 | 8.0 | 10 | 0.27 |
| YY17292 | | 0.20 | 0.32 | 0.92 | 92.7 | 0.04 | <10 | 190 | 0.35 | 1.30 | 2.23 | 0.44 | 15.70 | 9.5 | 15 | 0.40 |
| YY17293 | | 0.20 | 0.28 | 0.76 | 76.1 | <0.02 | <10 | 150 | 0.37 | 1.14 | 2.25 | 0.50 | 17.05 | 9.3 | 14 | 0.58 |
| YY17294 | | 0.12 | 0.23 | 0.56 | 77.7 | <0.02 | 10 | 220 | 0.24 | 0.85 | 3.64 | 0.61 | 9.20 | 11.0 | 10 | 0.34 |
| YY17295 | | 0.25 | 0.30 | 0.93 | 51.8 | <0.02 | <10 | 220 | 0.41 | 1.23 | 1.95 | 0.66 | 17.95 | 9.5 | 16 | 0.71 |
| YY17296 | | 0.59 | 0.28 | 0.69 | 95.5 | <0.02 | <10 | 230 | 0.30 | 1.26 | 9.59 | 1.05 | 16.85 | 13.4 | 13 | 0.62 |
| YY17297 | | 0.54 | 0.21 | 0.81 | 75.1 | <0.02 | <10 | 180 | 0.34 | 0.91 | 12.90 | 0.87 | 12.50 | 11.1 | 14 | 0.60 |
| YY17298 | | 0.26 | 0.22 | 0.97 | 90.9 | <0.02 | 10 | 210 | 0.47 | 0.78 | 3.86 | 0.70 | 15.35 | 10.7 | 17 | 0.61 |
| YY17299 | | 0.60 | 0.13 | 1.21 | 19.1 | <0.02 | <10 | 300 | 0.51 | 0.24 | 6.89 | 0.43 | 17.90 | 12.9 | 21 | 0.68 |
| YY17300 | | 0.44 | 0.16 | 1.10 | 44.9 | <0.02 | <10 | 210 | 0.42 | 0.66 | 5.96 | 0.62 | 17.85 | 12.7 | 19 | 0.50 |
| YY17301 | | 0.44 | 0.21 | 1.23 | 44.3 | <0.02 | <10 | 220 | 0.54 | 0.75 | 3.71 | 0.70 | 18.75 | 12.2 | 21 | 0.55 |
| YY17302 | | 0.57 | 0.09 | 1.31 | 17.2 | <0.02 | <10 | 190 | 0.51 | 0.22 | 4.30 | 0.43 | 20.5 | 14.2 | 22 | 0.55 |
| YY17303 | | 0.49 | 0.15 | 1.28 | 25.1 | <0.02 | <10 | 260 | 0.57 | 0.27 | 3.73 | 0.56 | 17.30 | 13.6 | 22 | 0.68 |
| YY17304 | | 0.69 | 0.16 | 1.26 | 16.7 | <0.02 | <10 | 240 | 0.52 | 0.15 | 6.10 | 0.42 | 17.80 | 12.4 | 21 | 0.59 |
| YY17305 | | 0.58 | 0.09 | 1.15 | 11.3 | <0.02 | <10 | 160 | 0.48 | 0.15 | 5.53 | 0.40 | 17.95 | 12.8 | 19 | 0.51 |
| YY17306 | | 0.55 | 0.10 | 1.06 | 11.0 | <0.02 | <10 | 170 | 0.43 | 0.16 | 7.51 | 0.38 | 17.00 | 11.6 | 18 | 0.60 |
| YY17307 | | 0.54 | 0.12 | 1.06 | 16.2 | <0.02 | <10 | 230 | 0.42 | 0.25 | 7.77 | 0.41 | 17.30 | 11.7 | 18 | 0.69 |
| YY17308 | | 0.58 | 0.10 | 1.13 | 15.0 | <0.02 | <10 | 220 | 0.42 | 0.17 | 7.43 | 0.39 | 17.40 | 11.6 | 19 | 0.69 |
| YY17309 | | 0.57 | 0.12 | 1.23 | 18.0 | <0.02 | <10 | 180 | 0.50 | 0.18 | 6.20 | 0.39 | 18.80 | 13.4 | 21 | 0.66 |
| YY17310 | | 0.55 | 0.08 | 1.03 | 10.0 | <0.02 | <10 | 110 | 0.39 | 0.13 | 8.32 | 0.36 | 15.10 | 10.7 | 18 | 0.56 |
| YY17311 | | 0.57 | 0.14 | 1.41 | 15.4 | <0.02 | <10 | 270 | 0.59 | 0.21 | 6.62 | 0.45 | 21.1 | 14.1 | 23 | 0.95 |
| YY17312 | | 0.78 | 0.08 | 1.11 | 9.9 | <0.02 | <10 | 190 | 0.43 | 0.14 | 7.33 | 0.31 | 15.50 | 11.2 | 19 | 0.54 |
| YY17313 | | 0.52 | 0.19 | 1.20 | 25.8 | <0.02 | <10 | 210 | 0.53 | 0.35 | 6.57 | 0.59 | 17.55 | 13.2 | 21 | 0.72 |
| YY17314 | | 0.41 | 0.29 | 0.95 | 27.2 | <0.02 | <10 | 250 | 0.44 | 0.73 | 2.23 | 1.14 | 19.15 | 7.3 | 18 | 0.75 |
| YY17315 | | 0.31 | 0.29 | 0.87 | 63.6 | <0.02 | <10 | 470 | 0.41 | 0.70 | 2.74 | 1.29 | 15.80 | 10.6 | 17 | 0.59 |
| YY17316 | | 0.45 | 0.33 | 0.73 | 133.0 | <0.02 | 10 | 170 | 0.41 | 0.94 | 6.20 | 1.10 | 16.10 | 10.9 | 14 | 0.68 |
| YY17317 | | 0.48 | 0.26 | 0.73 | 216 | <0.02 | 10 | 140 | 0.38 | 0.95 | 10.15 | 0.91 | 12.00 | 9.9 | 13 | 0.67 |
| YY17318 | | 0.51 | 0.23 | 0.63 | 327 | 0.02 | 10 | 110 | 0.31 | 0.91 | 12.40 | 0.91 | 11.00 | 10.8 | 11 | 0.56 |
| YY17319 | | 0.54 | 0.25 | 0.80 | 107.0 | <0.02 | 10 | 190 | 0.39 | 1.06 | 8.45 | 1.33 | 15.30 | 10.0 | 16 | 0.79 |
| YY17320 | | 0.71 | 0.39 | 0.99 | 117.5 | 0.20 | <10 | 250 | 0.55 | 1.93 | 5.85 | 1.82 | 26.2 | 13.6 | 20 | 0.97 |
| YY17321 | | 0.22 | 0.39 | 0.88 | 55.5 | <0.02 | <10 | 240 | 0.43 | 0.93 | 2.09 | 0.86 | 15.60 | 6.9 | 15 | 0.49 |
| YY17322 | | 0.32 | 0.90 | 1.30 | 94.5 | <0.02 | <10 | 390 | 0.50 | 3.74 | 1.08 | 0.21 | 28.6 | 13.4 | 17 | 0.85 |
| YY17323 | | 0.47 | 0.84 | 1.35 | 137.5 | 0.02 | <10 | 230 | 0.55 | 3.48 | 0.78 | 0.40 | 37.0 | 15.3 | 17 | 1.02 |
| YY17324 | | 0.48 | 1.42 | 0.87 | 129.0 | <0.02 | <10 | 240 | 0.42 | 4.71 | 0.33 | 1.48 | 56.1 | 16.5 | 12 | 0.42 |
| YY17325 | | 0.34 | 0.28 | 0.64 | 121.0 | 0.02 | 10 | 100 | 0.31 | 1.58 | 3.25 | 0.19 | 24.2 | 13.6 | 9 | 0.82 |
| YY17326 | | 0.48 | 0.55 | 1.15 | 77.8 | <0.02 | <10 | 300 | 0.45 | 1.07 | 0.68 | 8.32 | 28.9 | 15.9 | 29 | 1.25 |
| YY17327 | | 0.46 | 0.51 | 1.48 | 69.6 | <0.02 | <10 | 440 | 0.60 | 0.88 | 0.75 | 0.97 | 27.4 | 12.8 | 27 | 1.18 |
| YY17328 | | 0.68 | 0.24 | 1.39 | 116.0 | <0.02 | <10 | 350 | 0.63 | 1.48 | 0.40 | 0.74 | 38.0 | 15.5 | 24 | 0.98 |
| YY17329 | | 0.50 | 0.80 | 2.03 | 36.7 | <0.02 | <10 | 330 | 0.80 | 0.40 | 0.10 | 2.09 | 34.9 | 13.4 | 34 | 1.32 |
| YY17330 | | 0.57 | 0.25 | 1.75 | 120.0 | <0.02 | <10 | 300 | 0.87 | 1.26 | 0.15 | 1.20 | 46.2 | 15.2 | 25 | 1.01 |

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

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**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| YY17291 | | 41.5 | 1.91 | 1.69 | <0.05 | 0.05 | 0.04 | 0.024 | 0.04 | 6.0 | 4.8 | 0.39 | 610 | 0.65 | 0.02 | 0.55 |
| YY17292 | | 41.2 | 2.36 | 2.59 | <0.05 | 0.05 | 0.04 | 0.049 | 0.07 | 8.7 | 7.9 | 0.32 | 456 | 0.85 | 0.01 | 0.71 |
| YY17293 | | 41.9 | 2.24 | 2.10 | <0.05 | 0.05 | 0.06 | 0.026 | 0.07 | 9.6 | 8.2 | 0.41 | 295 | 1.46 | 0.01 | 0.55 |
| YY17294 | | 39.0 | 1.99 | 1.49 | <0.05 | 0.03 | 0.05 | 0.021 | 0.05 | 5.0 | 4.8 | 0.39 | 2220 | 1.29 | 0.01 | 0.45 |
| YY17295 | | 45.1 | 2.16 | 2.57 | <0.05 | 0.07 | 0.07 | 0.026 | 0.09 | 9.8 | 9.9 | 0.40 | 520 | 0.89 | 0.01 | 0.58 |
| YY17296 | | 40.6 | 2.76 | 1.96 | <0.05 | 0.06 | 0.05 | 0.023 | 0.08 | 9.6 | 9.0 | 1.66 | 2310 | 1.90 | 0.01 | 0.35 |
| YY17297 | | 34.2 | 2.87 | 2.27 | <0.05 | 0.06 | 0.05 | 0.021 | 0.08 | 6.8 | 12.1 | 1.59 | 912 | 1.90 | 0.01 | 0.31 |
| YY17298 | | 38.9 | 4.31 | 2.91 | 0.05 | 0.07 | 0.08 | 0.025 | 0.07 | 8.2 | 15.8 | 1.28 | 675 | 1.50 | 0.01 | 0.32 |
| YY17299 | | 45.6 | 3.21 | 3.71 | <0.05 | 0.06 | 0.08 | 0.025 | 0.05 | 9.0 | 24.1 | 2.44 | 437 | 0.94 | 0.01 | 0.18 |
| YY17300 | | 37.9 | 2.98 | 3.25 | <0.05 | 0.06 | 0.06 | 0.023 | 0.06 | 9.1 | 18.9 | 1.84 | 510 | 1.07 | 0.01 | 0.27 |
| YY17301 | | 45.6 | 3.14 | 3.55 | <0.05 | 0.07 | 0.09 | 0.026 | 0.07 | 10.1 | 19.9 | 1.70 | 485 | 1.07 | 0.01 | 0.32 |
| YY17302 | | 41.6 | 3.38 | 4.00 | 0.05 | 0.07 | 0.08 | 0.024 | 0.05 | 10.2 | 26.1 | 2.19 | 378 | 0.90 | 0.01 | 0.24 |
| YY17303 | | 45.9 | 3.72 | 3.99 | <0.05 | 0.08 | 0.10 | 0.028 | 0.06 | 9.0 | 24.6 | 1.91 | 686 | 0.86 | 0.01 | 0.28 |
| YY17304 | | 44.5 | 3.82 | 3.79 | <0.05 | 0.06 | 0.18 | 0.024 | 0.05 | 9.1 | 24.3 | 2.68 | 838 | 1.31 | 0.01 | 0.17 |
| YY17305 | | 40.4 | 3.06 | 3.61 | 0.05 | 0.06 | 0.07 | 0.021 | 0.04 | 8.9 | 23.3 | 2.40 | 390 | 0.86 | 0.01 | 0.18 |
| YY17306 | | 38.0 | 2.72 | 3.43 | <0.05 | 0.07 | 0.15 | 0.021 | 0.05 | 8.4 | 21.5 | 2.62 | 409 | 0.84 | 0.01 | 0.18 |
| YY17307 | | 40.1 | 2.81 | 3.22 | 0.05 | 0.07 | 0.15 | 0.021 | 0.06 | 8.5 | 20.7 | 2.35 | 506 | 0.88 | 0.01 | 0.26 |
| YY17308 | | 38.2 | 2.88 | 3.45 | 0.05 | 0.07 | 0.06 | 0.023 | 0.06 | 8.9 | 22.2 | 2.59 | 371 | 0.86 | 0.01 | 0.18 |
| YY17309 | | 47.4 | 3.22 | 3.68 | <0.05 | 0.07 | 0.08 | 0.025 | 0.06 | 9.5 | 24.2 | 2.50 | 523 | 1.62 | 0.01 | 0.17 |
| YY17310 | | 37.6 | 2.87 | 3.17 | 0.05 | 0.07 | 0.04 | 0.020 | 0.04 | 7.5 | 21.0 | 2.94 | 459 | 0.75 | 0.01 | 0.10 |
| YY17311 | | 48.7 | 3.63 | 4.26 | <0.05 | 0.11 | 0.10 | 0.027 | 0.09 | 10.6 | 26.6 | 2.35 | 775 | 1.08 | 0.01 | 0.17 |
| YY17312 | | 39.0 | 2.90 | 3.30 | <0.05 | 0.08 | 0.06 | 0.021 | 0.04 | 7.9 | 22.2 | 2.63 | 349 | 0.81 | 0.01 | 0.11 |
| YY17313 | | 41.8 | 3.18 | 3.44 | <0.05 | 0.08 | 0.11 | 0.027 | 0.09 | 9.0 | 21.2 | 2.04 | 591 | 1.12 | 0.02 | 0.27 |
| YY17314 | | 44.7 | 1.82 | 2.59 | <0.05 | 0.06 | 0.07 | 0.031 | 0.11 | 10.1 | 10.6 | 0.67 | 225 | 1.06 | 0.01 | 0.45 |
| YY17315 | | 42.1 | 2.61 | 2.31 | <0.05 | 0.06 | 0.07 | 0.030 | 0.10 | 8.9 | 9.0 | 0.74 | 395 | 1.60 | 0.01 | 0.37 |
| YY17316 | | 46.2 | 2.58 | 2.17 | <0.05 | 0.04 | 0.07 | 0.027 | 0.10 | 9.0 | 8.7 | 1.52 | 1380 | 2.50 | 0.01 | 0.38 |
| YY17317 | | 38.2 | 3.02 | 2.00 | <0.05 | 0.06 | 0.05 | 0.021 | 0.11 | 7.0 | 8.4 | 1.19 | 1400 | 2.16 | 0.01 | 0.38 |
| YY17318 | | 30.4 | 3.36 | 1.69 | <0.05 | 0.05 | 0.05 | 0.020 | 0.10 | 5.9 | 7.5 | 1.41 | 1160 | 1.89 | 0.01 | 0.30 |
| YY17319 | | 40.5 | 2.87 | 2.08 | <0.05 | 0.07 | 0.06 | 0.026 | 0.14 | 8.7 | 10.4 | 2.24 | 969 | 3.14 | 0.01 | 0.33 |
| YY17320 | | 54.9 | 3.23 | 2.79 | <0.05 | 0.10 | 0.07 | 0.031 | 0.16 | 14.2 | 12.4 | 2.26 | 1770 | 4.07 | 0.01 | 0.32 |
| YY17321 | | 63.2 | 1.92 | 2.24 | <0.05 | 0.06 | 0.07 | 0.032 | 0.08 | 9.4 | 8.6 | 0.40 | 544 | 1.12 | 0.01 | 0.47 |
| YY17322 | | 68.9 | 4.50 | 3.73 | 0.05 | 0.04 | 0.04 | 0.067 | 0.14 | 17.5 | 11.2 | 0.55 | 621 | 2.92 | 0.01 | 2.41 |
| YY17323 | | 97.6 | 5.02 | 3.92 | 0.07 | 0.05 | 0.06 | 0.082 | 0.18 | 24.1 | 10.8 | 0.53 | 650 | 2.29 | 0.01 | 2.34 |
| YY17324 | | 104.0 | 5.28 | 3.08 | 0.07 | 0.03 | 0.04 | 0.121 | 0.13 | 34.3 | 5.8 | 0.22 | 1280 | 3.36 | 0.01 | 0.99 |
| YY17325 | | 97.8 | 3.47 | 1.87 | 0.06 | 0.04 | 0.07 | 0.027 | 0.11 | 13.4 | 4.5 | 0.42 | 548 | 1.79 | 0.01 | 1.79 |
| YY17326 | | 69.3 | 3.95 | 3.36 | 0.06 | 0.05 | 0.10 | 0.035 | 0.10 | 16.3 | 9.9 | 0.53 | 795 | 8.70 | 0.01 | 1.13 |
| YY17327 | | 49.0 | 3.32 | 4.33 | <0.05 | 0.04 | 0.07 | 0.038 | 0.08 | 15.2 | 13.6 | 0.58 | 700 | 3.57 | 0.01 | 1.32 |
| YY17328 | | 76.4 | 4.00 | 3.80 | 0.06 | 0.05 | 0.09 | 0.038 | 0.14 | 21.6 | 11.5 | 0.48 | 729 | 3.83 | 0.01 | 0.79 |
| YY17329 | | 38.4 | 3.51 | 5.25 | <0.05 | 0.05 | 0.07 | 0.035 | 0.05 | 16.6 | 19.1 | 0.52 | 413 | 6.79 | 0.01 | 1.30 |
| YY17330 | | 50.3 | 4.37 | 3.80 | 0.05 | 0.07 | 0.03 | 0.045 | 0.11 | 19.4 | 13.9 | 0.44 | 564 | 3.55 | 0.01 | 1.33 |

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**Finalized Date: 11-SEP-2020**
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| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| YY17291 | | 20.8 | 800 | 9.3 | 3.1 | 0.002 | 0.15 | 0.85 | 1.2 | 1.8 | 0.4 | 58.8 | <0.01 | 0.07 | 0.5 | 0.011 |
| YY17292 | | 24.8 | 790 | 17.1 | 6.1 | 0.002 | 0.10 | 0.93 | 1.8 | 1.3 | 0.5 | 38.9 | <0.01 | 0.04 | 0.8 | 0.012 |
| YY17293 | | 28.4 | 1070 | 16.0 | 6.7 | 0.004 | 0.11 | 1.30 | 1.7 | 2.1 | 0.3 | 42.4 | <0.01 | 0.05 | 0.8 | 0.011 |
| YY17294 | | 28.8 | 810 | 10.9 | 5.3 | 0.003 | 0.15 | 1.10 | 1.0 | 1.9 | 0.3 | 57.5 | <0.01 | 0.04 | 0.3 | 0.009 |
| YY17295 | | 28.5 | 1080 | 15.6 | 7.9 | 0.006 | 0.14 | 1.20 | 2.1 | 2.2 | 0.3 | 41.2 | <0.01 | 0.04 | 1.1 | 0.012 |
| YY17296 | | 35.3 | 1080 | 15.5 | 6.9 | 0.001 | 0.09 | 1.40 | 2.5 | 1.4 | 0.2 | 110.0 | <0.01 | 0.05 | 2.2 | 0.012 |
| YY17297 | | 30.1 | 820 | 12.6 | 6.1 | 0.004 | 0.17 | 1.13 | 2.7 | 3.1 | 0.2 | 158.0 | <0.01 | 0.04 | 1.9 | 0.011 |
| YY17298 | | 31.0 | 870 | 14.8 | 6.1 | 0.011 | 0.09 | 1.13 | 3.2 | 4.9 | 0.2 | 59.2 | <0.01 | 0.05 | 1.5 | 0.008 |
| YY17299 | | 31.8 | 650 | 13.3 | 4.1 | 0.001 | 0.02 | 0.62 | 4.9 | 0.6 | 0.2 | 122.5 | <0.01 | 0.05 | 2.4 | 0.007 |
| YY17300 | | 33.1 | 770 | 13.4 | 4.6 | 0.002 | 0.05 | 0.80 | 3.5 | 1.8 | 0.2 | 97.5 | <0.01 | 0.04 | 2.0 | 0.008 |
| YY17301 | | 33.6 | 850 | 16.1 | 5.7 | 0.004 | 0.06 | 0.84 | 4.3 | 2.8 | 0.2 | 59.8 | <0.01 | 0.05 | 2.2 | 0.008 |
| YY17302 | | 32.6 | 680 | 14.3 | 3.9 | 0.001 | 0.03 | 0.61 | 4.7 | 0.7 | 0.2 | 72.4 | <0.01 | 0.05 | 2.8 | 0.007 |
| YY17303 | | 32.0 | 680 | 15.5 | 5.6 | 0.003 | 0.15 | 0.67 | 5.1 | 1.0 | 0.2 | 61.1 | <0.01 | 0.05 | 2.5 | 0.007 |
| YY17304 | | 31.6 | 650 | 12.6 | 3.7 | 0.001 | 0.02 | 0.75 | 4.9 | 0.6 | 0.2 | 96.3 | <0.01 | 0.05 | 2.2 | 0.006 |
| YY17305 | | 30.7 | 610 | 13.0 | 3.0 | 0.001 | 0.02 | 0.62 | 4.4 | 0.4 | 0.2 | 89.7 | <0.01 | 0.05 | 2.4 | 0.007 |
| YY17306 | | 27.7 | 620 | 12.5 | 3.5 | 0.001 | 0.03 | 0.57 | 4.1 | 0.6 | 0.2 | 126.0 | <0.01 | 0.05 | 2.5 | 0.007 |
| YY17307 | | 28.1 | 650 | 12.6 | 4.1 | 0.001 | 0.05 | 0.61 | 4.1 | 0.8 | 0.2 | 136.5 | <0.01 | 0.04 | 2.4 | 0.009 |
| YY17308 | | 27.9 | 620 | 13.0 | 3.8 | 0.001 | 0.03 | 0.56 | 4.3 | 0.6 | 0.2 | 129.5 | <0.01 | 0.04 | 2.6 | 0.007 |
| YY17309 | | 32.3 | 610 | 15.6 | 4.2 | 0.001 | 0.03 | 0.66 | 5.1 | 0.6 | 0.2 | 104.0 | <0.01 | 0.05 | 2.7 | 0.006 |
| YY17310 | | 26.8 | 570 | 11.4 | 2.7 | 0.001 | 0.03 | 0.54 | 4.1 | 0.5 | <0.2 | 135.0 | <0.01 | 0.05 | 2.1 | 0.005 |
| YY17311 | | 34.6 | 630 | 15.8 | 5.7 | 0.002 | 0.03 | 0.62 | 5.5 | 0.8 | 0.2 | 129.0 | <0.01 | 0.06 | 3.6 | 0.008 |
| YY17312 | | 27.6 | 590 | 12.0 | 2.8 | 0.001 | 0.03 | 0.46 | 4.4 | 0.7 | 0.2 | 127.0 | <0.01 | 0.06 | 2.4 | 0.006 |
| YY17313 | | 32.5 | 730 | 17.2 | 6.1 | 0.002 | 0.08 | 0.81 | 4.1 | 1.1 | 0.2 | 102.0 | <0.01 | 0.05 | 2.3 | 0.009 |
| YY17314 | | 30.6 | 1140 | 18.0 | 9.2 | 0.009 | 0.16 | 1.51 | 2.4 | 2.6 | 0.3 | 45.6 | <0.01 | 0.03 | 1.3 | 0.011 |
| YY17315 | | 35.5 | 1100 | 17.8 | 7.9 | 0.007 | 0.14 | 1.85 | 2.1 | 2.6 | 0.3 | 53.4 | <0.01 | 0.05 | 1.0 | 0.010 |
| YY17316 | | 36.5 | 1140 | 16.9 | 8.1 | 0.002 | 0.10 | 1.56 | 1.8 | 1.7 | 0.3 | 90.6 | <0.01 | 0.04 | 0.8 | 0.012 |
| YY17317 | | 33.4 | 980 | 13.5 | 8.6 | 0.002 | 0.15 | 1.26 | 1.8 | 1.5 | 0.2 | 114.5 | <0.01 | 0.04 | 1.1 | 0.011 |
| YY17318 | | 27.8 | 910 | 13.1 | 8.0 | 0.001 | 0.14 | 1.00 | 1.7 | 1.2 | 0.2 | 123.5 | <0.01 | 0.04 | 1.2 | 0.010 |
| YY17319 | | 37.0 | 1050 | 17.5 | 8.3 | 0.002 | 0.09 | 1.62 | 2.3 | 1.4 | 0.3 | 114.0 | <0.01 | 0.05 | 2.1 | 0.012 |
| YY17320 | | 53.3 | 1120 | 23.6 | 11.0 | 0.001 | 0.02 | 2.02 | 3.2 | 1.1 | 0.3 | 89.9 | <0.01 | 0.07 | 4.1 | 0.015 |
| YY17321 | | 35.1 | 650 | 15.8 | 6.9 | <0.001 | 0.08 | 1.08 | 2.2 | 1.1 | 0.3 | 50.9 | <0.01 | 0.05 | 1.3 | 0.012 |
| YY17322 | | 28.2 | 1180 | 26.9 | 15.4 | <0.001 | 0.10 | 1.68 | 2.6 | 1.1 | 1.2 | 65.4 | <0.01 | 0.05 | 2.1 | 0.030 |
| YY17323 | | 43.8 | 1080 | 71.9 | 19.3 | <0.001 | 0.09 | 2.41 | 3.7 | 1.3 | 1.5 | 48.8 | <0.01 | 0.07 | 3.7 | 0.031 |
| YY17324 | | 36.1 | 1450 | 43.4 | 10.6 | <0.001 | 0.13 | 3.34 | 2.4 | 0.8 | 1.0 | 48.5 | <0.01 | 0.07 | 4.3 | 0.016 |
| YY17325 | | 36.1 | 1150 | 7.0 | 11.8 | 0.001 | 0.10 | 2.78 | 1.5 | 1.1 | 0.7 | 42.8 | <0.01 | 0.07 | 1.3 | 0.016 |
| YY17326 | | 61.5 | 1570 | 16.3 | 10.0 | 0.008 | 0.06 | 3.03 | 3.1 | 5.3 | 0.5 | 32.8 | <0.01 | 0.06 | 2.8 | 0.030 |
| YY17327 | | 40.8 | 1260 | 22.7 | 11.7 | <0.001 | 0.04 | 1.33 | 3.6 | 2.1 | 0.6 | 28.2 | <0.01 | 0.05 | 2.6 | 0.027 |
| YY17328 | | 56.3 | 1290 | 21.2 | 12.4 | <0.001 | 0.02 | 2.12 | 4.6 | 1.1 | 0.6 | 22.8 | <0.01 | 0.06 | 5.1 | 0.024 |
| YY17329 | | 66.5 | 400 | 15.1 | 14.6 | <0.001 | 0.01 | 1.18 | 4.6 | 1.1 | 0.6 | 11.1 | <0.01 | 0.04 | 5.6 | 0.036 |
| YY17330 | | 55.2 | 530 | 24.4 | 14.7 | <0.001 | 0.02 | 1.61 | 3.3 | 1.2 | 0.6 | 11.5 | <0.01 | 0.06 | 5.2 | 0.019 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| YY17291 | | 0.04 | 2.22 | 17 | 0.06 | 5.03 | 32 | 2.1 | 0.048 |
| YY17292 | | 0.06 | 1.92 | 26 | 0.14 | 6.10 | 55 | 1.8 | 0.017 |
| YY17293 | | 0.08 | 1.53 | 24 | 0.09 | 7.51 | 75 | 2.1 | 0.015 |
| YY17294 | | 0.06 | 1.47 | 17 | 0.06 | 4.74 | 71 | 1.4 | 0.015 |
| YY17295 | | 0.11 | 2.48 | 27 | 0.11 | 7.60 | 91 | 2.5 | 0.022 |
| YY17296 | | 0.10 | 1.02 | 22 | 0.14 | 7.70 | 104 | 3.0 | 0.028 |
| YY17297 | | 0.09 | 2.23 | 24 | 0.09 | 6.66 | 108 | 2.7 | 0.007 |
| YY17298 | | 0.08 | 4.27 | 28 | 0.07 | 7.82 | 127 | 2.3 | 0.008 |
| YY17299 | | 0.08 | 0.66 | 35 | <0.05 | 8.69 | 97 | 2.6 | <0.001 |
| YY17300 | | 0.07 | 1.64 | 32 | 0.07 | 7.93 | 101 | 2.3 | 0.006 |
| YY17301 | | 0.08 | 1.47 | 36 | 0.07 | 8.76 | 130 | 2.6 | 0.006 |
| YY17302 | | 0.06 | 0.75 | 37 | <0.05 | 9.04 | 99 | 3.0 | 0.001 |
| YY17303 | | 0.09 | 0.93 | 36 | <0.05 | 9.12 | 115 | 3.0 | 0.002 |
| YY17304 | | 0.06 | 0.87 | 35 | <0.05 | 9.61 | 103 | 2.1 | 0.002 |
| YY17305 | | 0.06 | 0.61 | 34 | <0.05 | 8.51 | 94 | 2.4 | <0.001 |
| YY17306 | | 0.07 | 0.87 | 30 | <0.05 | 8.09 | 88 | 2.7 | 0.001 |
| YY17307 | | 0.08 | 0.74 | 31 | 0.08 | 8.37 | 89 | 3.0 | <0.001 |
| YY17308 | | 0.08 | 0.87 | 32 | <0.05 | 8.43 | 92 | 3.3 | <0.001 |
| YY17309 | | 0.08 | 0.92 | 35 | <0.05 | 9.10 | 103 | 3.2 | <0.001 |
| YY17310 | | 0.06 | 0.71 | 29 | <0.05 | 7.56 | 86 | 2.9 | 0.002 |
| YY17311 | | 0.09 | 0.82 | 38 | <0.05 | 9.14 | 107 | 4.9 | 0.001 |
| YY17312 | | 0.06 | 0.76 | 31 | <0.05 | 7.82 | 86 | 3.2 | <0.001 |
| YY17313 | | 0.10 | 1.04 | 34 | 0.06 | 8.44 | 115 | 2.7 | 0.002 |
| YY17314 | | 0.12 | 2.25 | 31 | 0.06 | 8.30 | 128 | 2.5 | 0.008 |
| YY17315 | | 0.10 | 2.21 | 31 | 0.08 | 7.92 | 134 | 2.1 | 0.002 |
| YY17316 | | 0.11 | 1.54 | 24 | 0.16 | 7.70 | 111 | 1.8 | 0.014 |
| YY17317 | | 0.11 | 1.17 | 23 | 0.22 | 6.41 | 114 | 2.1 | 0.013 |
| YY17318 | | 0.09 | 1.18 | 20 | 0.23 | 5.58 | 92 | 2.0 | 0.017 |
| YY17319 | | 0.13 | 1.19 | 28 | 0.19 | 7.08 | 133 | 3.0 | 0.011 |
| YY17320 | | 0.18 | 0.91 | 34 | 0.81 | 8.73 | 193 | 6.7 | 0.063 |
| YY17321 | | 0.07 | 1.13 | 24 | 0.25 | 9.77 | 80 | 2.4 | 0.018 |
| YY17322 | | 0.16 | 1.62 | 34 | 0.14 | 7.38 | 70 | 2.0 | 0.012 |
| YY17323 | | 0.19 | 2.67 | 36 | 0.18 | 13.70 | 138 | 2.2 | 0.026 |
| YY17324 | | 0.17 | 1.40 | 30 | 0.20 | 8.31 | 128 | 1.1 | 0.011 |
| YY17325 | | 0.16 | 1.26 | 16 | 0.13 | 5.20 | 32 | 2.1 | 0.275 |
| YY17326 | | 0.25 | 3.04 | 49 | 0.17 | 10.45 | 638 | 2.0 | 0.022 |
| YY17327 | | 0.18 | 2.19 | 52 | 0.18 | 9.83 | 152 | 1.5 | 0.046 |
| YY17328 | | 0.19 | 1.22 | 45 | 0.29 | 12.45 | 130 | 2.6 | 0.049 |
| YY17329 | | 0.19 | 4.18 | 60 | 0.29 | 6.79 | 310 | 1.9 | 0.004 |
| YY17330 | | 0.15 | 1.21 | 43 | 0.17 | 6.57 | 150 | 3.2 | 0.018 |

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

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**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| YY17331 | | 0.46 | 0.12 | 1.45 | 22.4 | <0.02 | <10 | 280 | 0.40 | 0.32 | 0.16 | 0.16 | 26.3 | 8.0 | 23 | 0.96 |
| YY17332 | | 0.15 | 0.61 | 0.46 | 17.8 | <0.02 | <10 | 180 | 0.29 | 0.38 | 3.33 | 15.30 | 10.80 | 4.9 | 10 | 0.55 |
| YY17333 | | 0.16 | 0.32 | 0.51 | 13.7 | <0.02 | <10 | 290 | 0.23 | 0.29 | 2.95 | 3.29 | 7.95 | 4.2 | 13 | 0.55 |
| YY17334 | | 0.52 | 0.42 | 1.23 | 56.5 | <0.02 | <10 | 330 | 0.49 | 0.90 | 0.62 | 1.67 | 31.2 | 11.2 | 24 | 1.06 |
| YY17335 | | 0.54 | 0.11 | 3.47 | 27.5 | <0.02 | <10 | 580 | 0.99 | 0.45 | 0.76 | 0.91 | 21.3 | 10.9 | 45 | 4.63 |
| YY17336 | | 0.31 | 0.46 | 1.03 | 65.5 | <0.02 | <10 | 360 | 0.42 | 0.82 | 1.16 | 31.0 | 22.2 | 13.8 | 20 | 0.83 |
| YY17337 | | 0.31 | 0.88 | 1.57 | 49.7 | <0.02 | <10 | 690 | 0.72 | 0.61 | 0.62 | 1.03 | 20.8 | 15.8 | 30 | 1.88 |
| YY17338 | | 0.46 | 0.11 | 2.09 | 49.0 | <0.02 | <10 | 280 | 0.82 | 0.55 | 0.16 | 0.35 | 24.3 | 16.1 | 35 | 1.68 |
| YY17339 | | 0.35 | 0.35 | 1.22 | 58.0 | <0.02 | <10 | 700 | 0.48 | 0.79 | 1.03 | 2.61 | 22.0 | 12.1 | 24 | 1.30 |
| YY17340 | | 0.49 | 0.52 | 1.90 | 47.1 | <0.02 | <10 | 600 | 0.64 | 0.53 | 0.22 | 0.45 | 35.4 | 10.1 | 33 | 1.26 |
| YY17341 | | 0.48 | 0.52 | 1.44 | 54.2 | <0.02 | <10 | 490 | 0.52 | 0.83 | 0.52 | 2.38 | 27.9 | 11.9 | 27 | 1.04 |
| YY17342 | | 0.70 | 0.40 | 1.85 | 95.2 | <0.02 | <10 | 510 | 0.63 | 1.12 | 0.51 | 0.52 | 36.7 | 23.9 | 66 | 2.38 |
| YY17343 | | 0.29 | 0.40 | 1.23 | 31.4 | <0.02 | <10 | 330 | 0.39 | 0.53 | 1.38 | 3.45 | 20.4 | 11.6 | 44 | 1.34 |
| YY17344 | | 0.59 | 0.35 | 2.29 | 54.9 | <0.02 | <10 | 710 | 0.53 | 0.66 | 0.69 | 1.97 | 29.5 | 21.0 | 90 | 2.52 |
| YY17345 | | 0.31 | 0.39 | 1.35 | 56.3 | <0.02 | <10 | 320 | 0.49 | 0.80 | 1.17 | 8.96 | 23.7 | 15.7 | 34 | 1.37 |
| YY17346 | | 0.24 | 0.43 | 1.15 | 63.1 | <0.02 | <10 | 290 | 0.48 | 0.77 | 1.62 | 2.51 | 23.0 | 15.0 | 32 | 1.12 |
| YY17347 | | 0.53 | 1.97 | 1.55 | 82.6 | <0.02 | <10 | 170 | 0.48 | 0.91 | 0.07 | 0.44 | 27.3 | 7.3 | 22 | 1.20 |
| YY17348 | | 0.44 | 0.41 | 1.47 | 43.1 | <0.02 | <10 | 660 | 0.54 | 0.62 | 0.84 | 1.20 | 25.6 | 13.0 | 29 | 1.11 |
| YY17349 | | 0.19 | 0.45 | 1.20 | 34.2 | <0.02 | <10 | 390 | 0.41 | 0.40 | 1.37 | 2.13 | 17.85 | 10.8 | 20 | 1.35 |
| YY17350 | | 0.49 | 0.14 | 1.44 | 56.4 | <0.02 | <10 | 150 | 0.46 | 0.71 | 0.05 | 0.86 | 22.6 | 9.5 | 21 | 1.72 |
| YY17351 | | 0.47 | 0.35 | 1.56 | 54.0 | 0.04 | <10 | 140 | 0.38 | 0.53 | 0.05 | 0.26 | 20.0 | 8.6 | 29 | 2.27 |
| YY17352 | | 0.44 | 0.89 | 1.43 | 119.0 | 0.03 | <10 | 130 | 0.50 | 1.40 | 0.04 | 0.55 | 36.2 | 12.2 | 25 | 1.07 |
| YY17353 | | 0.52 | 0.11 | 1.61 | 112.5 | <0.02 | <10 | 360 | 0.71 | 1.43 | 0.27 | 0.37 | 52.8 | 15.7 | 23 | 1.32 |
| YY17354 | | 0.27 | 0.40 | 1.09 | 63.0 | <0.02 | <10 | 390 | 0.48 | 0.99 | 1.33 | 1.59 | 28.4 | 12.3 | 19 | 1.18 |
| YY17355 | | 0.47 | 0.28 | 1.31 | 29.2 | <0.02 | <10 | 450 | 0.45 | 0.52 | 1.09 | 1.56 | 22.7 | 9.6 | 26 | 1.13 |
| YY17356 | | 0.53 | 0.40 | 1.98 | 94.8 | <0.02 | <10 | 530 | 0.86 | 1.41 | 0.16 | 0.64 | 46.4 | 16.6 | 27 | 1.55 |
| YY17357 | | 0.54 | 0.12 | 2.07 | 57.5 | <0.02 | <10 | 260 | 0.85 | 0.85 | 0.11 | 0.31 | 48.8 | 13.8 | 28 | 1.50 |
| YY17358 | | 0.24 | 0.42 | 1.28 | 23.6 | <0.02 | <10 | 400 | 0.34 | 0.43 | 1.15 | 1.38 | 23.5 | 10.3 | 40 | 1.36 |
| YY17359 | | 0.45 | 0.39 | 1.74 | 47.0 | <0.02 | <10 | 730 | 0.57 | 0.63 | 0.96 | 0.48 | 33.0 | 14.7 | 44 | 1.34 |
| YY17361 | | 0.27 | 0.34 | 1.19 | 23.9 | <0.02 | <10 | 630 | 0.43 | 0.50 | 1.50 | 0.80 | 22.6 | 13.9 | 27 | 1.08 |
| YY17362 | | 0.50 | 0.95 | 1.04 | 89.4 | <0.02 | <10 | 290 | 0.51 | 1.34 | 1.31 | 24.5 | 31.8 | 16.6 | 27 | 1.29 |
| YY17363 | | 0.47 | 1.23 | 0.79 | 194.0 | <0.02 | <10 | 250 | 0.56 | 1.86 | 0.27 | 40.1 | 26.6 | 79.2 | 39 | 0.98 |
| YY17364 | | 0.42 | 0.41 | 2.03 | 43.4 | <0.02 | <10 | 540 | 0.46 | 0.75 | 1.10 | 1.27 | 23.7 | 24.8 | 106 | 2.77 |
| YY17365 | | 0.27 | 0.26 | 2.04 | 19.2 | <0.02 | <10 | 2250 | 0.34 | 0.73 | 1.51 | 1.30 | 18.75 | 15.6 | 73 | 7.98 |
| YY17366 | | 0.54 | 0.69 | 2.16 | 65.2 | <0.02 | <10 | 620 | 0.82 | 1.04 | 0.50 | 2.05 | 35.1 | 16.4 | 39 | 1.41 |
| YY17367 | | 0.34 | 0.46 | 2.85 | 44.8 | <0.02 | <10 | 4380 | 0.28 | 0.34 | 1.17 | 1.44 | 15.55 | 25.7 | 112 | 6.58 |
| YY17368 | | 0.48 | 0.34 | 4.02 | 24.1 | <0.02 | <10 | 6020 | 0.76 | 0.44 | 0.46 | 0.42 | 28.1 | 40.5 | 154 | 10.30 |
| YY17369 | | 0.44 | 1.68 | 1.56 | 33.6 | <0.02 | <10 | 260 | 0.41 | 0.78 | 0.12 | 1.50 | 28.1 | 6.1 | 26 | 1.31 |
| YY17370 | | 0.44 | 4.08 | 1.65 | 93.9 | 4.12 | <10 | 440 | 0.71 | 0.85 | 0.37 | 7.77 | 39.6 | 10.4 | 60 | 2.76 |
| YY17371 | | 0.43 | 0.42 | 3.48 | 13.1 | <0.02 | <10 | 460 | 0.39 | 0.18 | 0.76 | 0.81 | 16.90 | 27.2 | 138 | 8.01 |

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

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**Finalized Date: 11-SEP-2020**
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# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| YY17331 | | 14.8 | 2.67 | 4.72 | <0.05 | 0.04 | 0.02 | 0.021 | 0.04 | 13.4 | 13.2 | 0.35 | 246 | 1.84 | 0.01 | 1.19 |
| YY17332 | | 118.0 | 1.19 | 1.40 | <0.05 | 0.04 | 0.16 | 0.019 | 0.03 | 9.0 | 3.1 | 0.23 | 256 | 3.13 | 0.01 | 0.44 |
| YY17333 | | 39.7 | 1.27 | 1.46 | <0.05 | 0.05 | 0.12 | 0.014 | 0.02 | 4.3 | 2.7 | 0.32 | 343 | 2.33 | 0.01 | 0.47 |
| YY17334 | | 68.1 | 3.18 | 3.73 | 0.05 | 0.06 | 0.08 | 0.043 | 0.07 | 17.5 | 11.9 | 0.50 | 222 | 4.98 | 0.01 | 1.28 |
| YY17335 | | 46.5 | 4.32 | 11.20 | 0.12 | 0.08 | 0.02 | 0.043 | 0.46 | 12.1 | 32.8 | 2.91 | 704 | 1.40 | 0.04 | 1.04 |
| YY17336 | | 57.2 | 3.11 | 3.08 | <0.05 | 0.04 | 0.07 | 0.036 | 0.06 | 12.3 | 10.2 | 0.46 | 1100 | 9.70 | 0.01 | 1.05 |
| YY17337 | | 64.4 | 3.15 | 4.74 | <0.05 | 0.02 | 0.06 | 0.032 | 0.07 | 11.4 | 14.3 | 0.62 | 586 | 3.26 | 0.02 | 0.85 |
| YY17338 | | 38.2 | 3.83 | 4.65 | <0.05 | 0.07 | 0.03 | 0.047 | 0.07 | 12.8 | 18.2 | 0.59 | 388 | 2.03 | 0.01 | 1.19 |
| YY17339 | | 39.4 | 3.37 | 3.49 | 0.05 | 0.03 | 0.07 | 0.038 | 0.07 | 11.9 | 12.4 | 0.52 | 1040 | 8.20 | 0.01 | 0.82 |
| YY17340 | | 24.8 | 3.55 | 5.57 | <0.05 | 0.02 | 0.04 | 0.032 | 0.06 | 18.9 | 17.8 | 0.47 | 319 | 2.27 | 0.01 | 1.13 |
| YY17341 | | 41.6 | 3.04 | 4.13 | <0.05 | 0.03 | 0.07 | 0.032 | 0.09 | 15.3 | 12.3 | 0.46 | 528 | 4.01 | 0.01 | 1.03 |
| YY17342 | | 103.5 | 5.50 | 6.19 | 0.06 | 0.04 | 0.07 | 0.040 | 0.12 | 21.9 | 19.6 | 1.06 | 876 | 4.45 | 0.01 | 0.96 |
| YY17343 | | 54.9 | 2.52 | 3.78 | 0.06 | 0.04 | 0.07 | 0.032 | 0.06 | 11.0 | 12.2 | 0.66 | 450 | 4.71 | 0.01 | 0.87 |
| YY17344 | | 86.9 | 5.17 | 7.23 | 0.06 | 0.03 | 0.06 | 0.043 | 0.10 | 16.7 | 20.4 | 1.22 | 623 | 3.40 | 0.02 | 2.11 |
| YY17345 | | 50.9 | 3.29 | 3.96 | 0.05 | 0.04 | 0.11 | 0.035 | 0.08 | 12.4 | 14.0 | 0.58 | 956 | 7.33 | 0.01 | 1.09 |
| YY17346 | | 53.6 | 3.30 | 3.48 | 0.06 | 0.05 | 0.09 | 0.038 | 0.07 | 12.4 | 13.2 | 0.57 | 859 | 4.86 | 0.01 | 1.05 |
| YY17347 | | 27.3 | 3.46 | 5.31 | <0.05 | <0.02 | 0.05 | 0.028 | 0.07 | 15.2 | 14.3 | 0.33 | 201 | 2.45 | 0.01 | 1.52 |
| YY17348 | | 33.6 | 2.92 | 4.27 | <0.05 | 0.04 | 0.07 | 0.031 | 0.06 | 13.3 | 14.0 | 0.53 | 657 | 1.94 | 0.01 | 1.08 |
| YY17349 | | 30.0 | 2.50 | 3.53 | <0.05 | 0.04 | 0.08 | 0.022 | 0.04 | 9.9 | 11.5 | 0.43 | 1180 | 4.36 | 0.01 | 0.83 |
| YY17350 | | 31.6 | 3.80 | 4.52 | <0.05 | <0.02 | 0.02 | 0.026 | 0.08 | 12.3 | 16.1 | 0.40 | 258 | 2.24 | 0.01 | 1.01 |
| YY17351 | | 33.1 | 4.17 | 5.10 | <0.05 | 0.02 | 0.23 | 0.033 | 0.05 | 10.8 | 18.0 | 0.43 | 211 | 2.15 | 0.01 | 1.45 |
| YY17352 | | 61.1 | 5.01 | 4.54 | 0.06 | 0.02 | 0.04 | 0.054 | 0.07 | 19.9 | 12.5 | 0.34 | 319 | 4.96 | 0.01 | 1.73 |
| YY17353 | | 69.1 | 4.46 | 3.96 | 0.08 | 0.06 | 0.07 | 0.040 | 0.14 | 30.7 | 12.1 | 0.60 | 604 | 3.13 | 0.01 | 1.30 |
| YY17354 | | 55.8 | 3.17 | 2.97 | 0.06 | 0.06 | 0.06 | 0.036 | 0.10 | 15.2 | 8.8 | 0.44 | 984 | 4.06 | 0.01 | 1.18 |
| YY17355 | | 34.6 | 2.89 | 4.42 | 0.05 | 0.02 | 0.05 | 0.037 | 0.04 | 11.7 | 12.6 | 0.40 | 379 | 3.66 | 0.01 | 1.20 |
| YY17356 | | 68.6 | 4.48 | 4.47 | 0.07 | 0.06 | 0.05 | 0.052 | 0.13 | 25.3 | 14.5 | 0.54 | 539 | 4.78 | 0.01 | 1.58 |
| YY17357 | | 41.4 | 3.75 | 5.17 | 0.07 | 0.05 | 0.05 | 0.037 | 0.12 | 23.2 | 15.4 | 0.46 | 491 | 2.47 | 0.01 | 1.20 |
| YY17358 | | 28.2 | 2.69 | 4.29 | 0.06 | 0.03 | 0.08 | 0.033 | 0.06 | 12.3 | 12.0 | 0.58 | 348 | 3.22 | 0.02 | 1.12 |
| YY17359 | | 41.5 | 3.69 | 5.16 | 0.05 | 0.03 | 0.05 | 0.038 | 0.09 | 17.8 | 17.5 | 0.73 | 850 | 3.48 | 0.01 | 1.35 |
| YY17361 | | 33.6 | 2.71 | 3.33 | 0.06 | 0.04 | 0.06 | 0.028 | 0.05 | 11.5 | 12.5 | 0.54 | 366 | 1.35 | 0.01 | 0.94 |
| YY17362 | | 126.5 | 3.74 | 3.00 | 0.07 | 0.06 | 0.20 | 0.038 | 0.09 | 17.9 | 10.3 | 0.86 | 382 | 9.94 | 0.01 | 1.03 |
| YY17363 | | 245 | 9.57 | 1.65 | 0.13 | 0.05 | 0.61 | 0.209 | 0.05 | 19.0 | 5.6 | 0.22 | 1230 | 22.5 | 0.01 | 0.38 |
| YY17364 | | 74.2 | 4.47 | 5.68 | 0.06 | 0.04 | 0.07 | 0.038 | 0.08 | 12.8 | 25.0 | 1.64 | 518 | 2.78 | 0.01 | 1.22 |
| YY17365 | | 43.9 | 3.48 | 6.26 | 0.08 | 0.03 | 0.05 | 0.037 | 0.14 | 10.1 | 23.8 | 1.53 | 209 | 0.98 | 0.02 | 1.98 |
| YY17366 | | 54.2 | 4.08 | 5.96 | 0.07 | 0.03 | 0.09 | 0.049 | 0.09 | 18.9 | 17.2 | 0.60 | 581 | 4.11 | 0.02 | 1.33 |
| YY17367 | | 47.5 | 5.43 | 8.69 | 0.10 | 0.02 | 0.04 | 0.050 | 0.10 | 8.3 | 30.6 | 2.47 | 532 | 2.17 | 0.02 | 2.13 |
| YY17368 | | 68.9 | 7.87 | 13.00 | 0.10 | 0.05 | 0.02 | 0.096 | 0.57 | 13.5 | 40.7 | 2.60 | 1100 | 2.89 | 0.02 | 1.65 |
| YY17369 | | 27.5 | 2.77 | 5.59 | 0.05 | <0.02 | 0.07 | 0.033 | 0.05 | 15.3 | 15.2 | 0.31 | 220 | 11.80 | 0.01 | 1.07 |
| YY17370 | | 200 | 3.35 | 4.29 | 0.10 | 0.03 | 1.43 | 0.076 | 0.15 | 24.3 | 17.1 | 0.92 | 357 | 45.6 | 0.01 | 0.82 |
| YY17371 | | 70.6 | 6.04 | 11.25 | 0.14 | 0.02 | 0.04 | 0.068 | 0.06 | 8.6 | 36.1 | 3.13 | 487 | 2.36 | 0.01 | 1.43 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| YY17331 | | 22.2 | 390 | 14.1 | 10.6 | <0.001 | 0.01 | 0.74 | 2.4 | 0.5 | 0.5 | 12.2 | <0.01 | 0.03 | 4.2 | 0.034 |
| YY17332 | | 52.3 | 890 | 6.4 | 5.3 | 0.004 | 0.15 | 1.41 | 0.9 | 4.6 | 0.5 | 91.3 | <0.01 | 0.04 | 0.4 | 0.011 |
| YY17333 | | 41.7 | 1020 | 6.2 | 4.3 | 0.005 | 0.24 | 1.41 | 1.1 | 4.3 | 0.2 | 89.3 | <0.01 | 0.02 | 0.5 | 0.016 |
| YY17334 | | 54.8 | 1200 | 16.0 | 12.0 | 0.001 | 0.04 | 1.61 | 3.6 | 2.9 | 0.5 | 31.0 | <0.01 | 0.05 | 4.1 | 0.029 |
| YY17335 | | 45.6 | 610 | 8.7 | 48.8 | <0.001 | 0.01 | 0.52 | 9.9 | 0.5 | 1.3 | 46.8 | <0.01 | 0.05 | 5.5 | 0.204 |
| YY17336 | | 165.5 | 1270 | 14.8 | 10.1 | 0.005 | 0.06 | 2.11 | 2.3 | 4.2 | 0.5 | 43.2 | <0.01 | 0.05 | 1.4 | 0.021 |
| YY17337 | | 58.1 | 1020 | 16.4 | 15.9 | 0.001 | 0.06 | 0.97 | 2.5 | 2.4 | 0.5 | 40.0 | <0.01 | 0.06 | 1.3 | 0.033 |
| YY17338 | | 49.9 | 700 | 14.4 | 12.2 | <0.001 | 0.02 | 1.29 | 3.0 | 1.7 | 0.5 | 13.6 | 0.01 | 0.05 | 5.0 | 0.041 |
| YY17339 | | 67.6 | 1460 | 15.8 | 16.7 | 0.005 | 0.08 | 1.44 | 2.3 | 3.1 | 0.5 | 40.4 | <0.01 | 0.06 | 1.1 | 0.024 |
| YY17340 | | 31.7 | 780 | 60.7 | 13.8 | <0.001 | 0.02 | 0.90 | 3.5 | 0.8 | 0.6 | 15.4 | <0.01 | 0.04 | 2.6 | 0.033 |
| YY17341 | | 42.0 | 1260 | 15.2 | 12.4 | 0.001 | 0.04 | 1.06 | 3.2 | 2.6 | 0.5 | 28.3 | <0.01 | 0.05 | 2.4 | 0.022 |
| YY17342 | | 83.8 | 1300 | 17.4 | 14.7 | <0.001 | 0.03 | 1.82 | 9.1 | 1.2 | 0.9 | 28.2 | <0.01 | 0.06 | 5.4 | 0.051 |
| YY17343 | | 71.0 | 1320 | 12.0 | 9.2 | 0.021 | 0.13 | 0.99 | 3.1 | 8.0 | 0.4 | 50.7 | <0.01 | 0.04 | 1.3 | 0.030 |
| YY17344 | | 77.7 | 1500 | 13.2 | 14.0 | <0.001 | 0.03 | 1.05 | 10.8 | 1.2 | 0.8 | 34.0 | <0.01 | 0.04 | 3.7 | 0.074 |
| YY17345 | | 84.1 | 1290 | 18.2 | 10.7 | 0.011 | 0.08 | 1.44 | 3.2 | 5.1 | 0.5 | 43.2 | <0.01 | 0.05 | 1.4 | 0.028 |
| YY17346 | | 68.5 | 1280 | 16.4 | 12.0 | 0.019 | 0.13 | 1.20 | 2.9 | 5.6 | 0.5 | 58.3 | <0.01 | 0.05 | 1.3 | 0.027 |
| YY17347 | | 22.6 | 380 | 16.3 | 11.8 | <0.001 | 0.02 | 0.94 | 2.0 | 1.1 | 0.7 | 8.4 | <0.01 | 0.05 | 3.0 | 0.029 |
| YY17348 | | 33.8 | 1170 | 16.9 | 10.4 | 0.001 | 0.05 | 0.86 | 3.1 | 1.7 | 0.5 | 33.7 | <0.01 | 0.04 | 1.8 | 0.022 |
| YY17349 | | 44.2 | 1280 | 10.8 | 10.2 | 0.007 | 0.11 | 0.74 | 1.8 | 3.2 | 0.4 | 51.8 | <0.01 | 0.04 | 0.9 | 0.025 |
| YY17350 | | 32.0 | 330 | 10.0 | 16.8 | <0.001 | 0.02 | 0.93 | 1.8 | 0.6 | 0.5 | 5.8 | <0.01 | 0.06 | 3.7 | 0.038 |
| YY17351 | | 28.3 | 390 | 12.9 | 14.1 | <0.001 | 0.02 | 1.07 | 2.1 | 0.9 | 0.5 | 6.1 | <0.01 | 0.05 | 3.4 | 0.047 |
| YY17352 | | 47.6 | 680 | 22.8 | 13.4 | 0.001 | 0.03 | 2.15 | 2.4 | 2.1 | 0.8 | 6.4 | <0.01 | 0.08 | 4.5 | 0.025 |
| YY17353 | | 45.5 | 570 | 51.1 | 14.1 | 0.001 | 0.03 | 2.10 | 4.3 | 1.2 | 0.8 | 24.5 | <0.01 | 0.06 | 6.1 | 0.030 |
| YY17354 | | 48.0 | 1380 | 14.4 | 15.4 | 0.003 | 0.10 | 1.67 | 2.7 | 3.4 | 0.5 | 55.2 | <0.01 | 0.05 | 2.2 | 0.025 |
| YY17355 | | 37.5 | 1040 | 13.6 | 8.0 | 0.001 | 0.07 | 1.00 | 2.2 | 1.5 | 0.6 | 35.3 | <0.01 | 0.04 | 1.2 | 0.029 |
| YY17356 | | 60.1 | 870 | 19.2 | 14.1 | <0.001 | 0.03 | 1.65 | 4.3 | 1.7 | 0.8 | 13.5 | <0.01 | 0.07 | 5.5 | 0.029 |
| YY17357 | | 35.9 | 760 | 18.3 | 14.9 | <0.001 | 0.02 | 1.30 | 4.1 | 0.8 | 0.8 | 11.8 | <0.01 | 0.05 | 5.9 | 0.039 |
| YY17358 | | 31.6 | 1170 | 11.1 | 7.9 | 0.003 | 0.12 | 0.80 | 3.5 | 4.1 | 0.5 | 49.6 | <0.01 | 0.03 | 1.5 | 0.032 |
| YY17359 | | 39.7 | 1430 | 15.2 | 10.3 | 0.001 | 0.04 | 0.95 | 4.6 | 1.9 | 0.6 | 39.6 | <0.01 | 0.04 | 2.5 | 0.034 |
| YY17361 | | 36.2 | 870 | 14.4 | 8.9 | 0.001 | 0.11 | 0.84 | 3.2 | 3.4 | 0.4 | 51.7 | <0.01 | 0.03 | 1.8 | 0.028 |
| YY17362 | | 154.5 | 1370 | 21.9 | 10.0 | 0.001 | 0.04 | 3.80 | 3.8 | 1.9 | 0.5 | 33.7 | <0.01 | 0.08 | 3.6 | 0.029 |
| YY17363 | | 417 | 1480 | 25.7 | 5.4 | 0.001 | 0.12 | 15.45 | 8.6 | 23.0 | 1.5 | 18.3 | <0.01 | 0.28 | 2.5 | 0.011 |
| YY17364 | | 161.0 | 1070 | 13.9 | 19.2 | 0.001 | 0.07 | 1.25 | 7.4 | 2.0 | 0.6 | 35.0 | <0.01 | 0.06 | 2.2 | 0.067 |
| YY17365 | | 67.8 | 1070 | 9.0 | 25.6 | 0.010 | 0.13 | 0.52 | 7.7 | 2.9 | 0.8 | 55.7 | <0.01 | 0.02 | 1.6 | 0.100 |
| YY17366 | | 54.1 | 840 | 22.2 | 10.0 | 0.001 | 0.03 | 1.57 | 4.9 | 1.2 | 0.8 | 20.3 | <0.01 | 0.08 | 3.2 | 0.029 |
| YY17367 | | 57.5 | 1120 | 9.3 | 12.4 | <0.001 | 0.07 | 0.73 | 12.6 | 2.3 | 0.6 | 51.1 | <0.01 | 0.05 | 1.4 | 0.116 |
| YY17368 | | 128.5 | 1140 | 9.1 | 40.7 | 0.003 | 0.02 | 0.76 | 22.7 | 0.9 | 2.9 | 31.8 | <0.01 | 0.02 | 2.6 | 0.293 |
| YY17369 | | 48.0 | 410 | 14.8 | 10.2 | <0.001 | 0.02 | 1.30 | 2.4 | 1.7 | 1.3 | 10.2 | <0.01 | 0.05 | 2.0 | 0.024 |
| YY17370 | | 179.5 | 1360 | 35.8 | 16.7 | 0.001 | 0.03 | 14.40 | 3.6 | 9.3 | 1.3 | 16.0 | <0.01 | 0.16 | 3.1 | 0.034 |
| YY17371 | | 70.4 | 1010 | 6.3 | 12.1 | 0.001 | 0.04 | 0.63 | 17.2 | 3.9 | 0.7 | 26.6 | <0.01 | 0.02 | 1.8 | 0.178 |

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

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**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| YY17331 | | 0.13 | 0.63 | 54 | 0.25 | 4.90 | 59 | 1.5 | 0.001 |
| YY17332 | | 0.16 | 4.53 | 26 | 0.12 | 13.05 | 418 | 1.8 | <0.001 |
| YY17333 | | 0.12 | 4.62 | 24 | 0.07 | 5.11 | 139 | 2.1 | 0.013 |
| YY17334 | | 0.18 | 2.42 | 42 | 0.39 | 11.55 | 198 | 2.6 | 0.012 |
| YY17335 | | 0.35 | 1.04 | 69 | 0.24 | 9.17 | 185 | 4.1 | 0.002 |
| YY17336 | | 0.16 | 2.09 | 37 | 0.17 | 8.43 | 2170 | 1.6 | 0.009 |
| YY17337 | | 0.19 | 2.24 | 47 | 0.14 | 10.70 | 150 | 0.5 | 0.010 |
| YY17338 | | 0.14 | 0.77 | 44 | 0.15 | 4.58 | 107 | 2.9 | 0.001 |
| YY17339 | | 0.20 | 6.33 | 46 | 0.15 | 9.03 | 573 | 1.0 | 0.008 |
| YY17340 | | 0.17 | 1.31 | 59 | 0.27 | 9.23 | 88 | 0.5 | 0.009 |
| YY17341 | | 0.16 | 2.34 | 44 | 0.19 | 8.45 | 351 | 1.0 | 0.012 |
| YY17342 | | 0.32 | 1.59 | 72 | 0.14 | 16.10 | 136 | 2.4 | 0.031 |
| YY17343 | | 0.24 | 5.53 | 48 | 0.07 | 9.51 | 310 | 1.6 | 0.011 |
| YY17344 | | 0.37 | 1.49 | 100 | 0.10 | 11.50 | 298 | 1.2 | 0.005 |
| YY17345 | | 0.31 | 3.55 | 51 | 0.10 | 9.73 | 1070 | 1.4 | 0.008 |
| YY17346 | | 0.18 | 5.23 | 46 | 0.08 | 10.35 | 407 | 1.8 | 0.015 |
| YY17347 | | 0.14 | 0.56 | 55 | 0.23 | 2.68 | 77 | 0.6 | 0.005 |
| YY17348 | | 0.13 | 2.54 | 46 | 0.28 | 8.27 | 95 | 1.4 | 0.036 |
| YY17349 | | 0.15 | 6.12 | 36 | 0.20 | 8.22 | 167 | 1.2 | 0.007 |
| YY17350 | | 0.14 | 0.49 | 40 | 0.15 | 2.61 | 205 | 0.7 | 0.034 |
| YY17351 | | 0.16 | 0.61 | 55 | 0.21 | 2.36 | 99 | 1.1 | 0.005 |
| YY17352 | | 0.21 | 1.10 | 52 | 0.23 | 3.85 | 130 | 1.3 | 0.138 |
| YY17353 | | 0.20 | 1.52 | 46 | 0.18 | 11.80 | 129 | 3.1 | 0.021 |
| YY17354 | | 0.18 | 5.49 | 34 | 0.15 | 9.24 | 116 | 2.0 | 0.012 |
| YY17355 | | 0.17 | 1.14 | 57 | 0.19 | 6.09 | 111 | 0.7 | 0.004 |
| YY17356 | | 0.24 | 1.60 | 51 | 0.24 | 11.40 | 127 | 2.2 | 0.026 |
| YY17357 | | 0.20 | 1.52 | 54 | 0.23 | 7.05 | 80 | 2.1 | 0.044 |
| YY17358 | | 0.19 | 4.14 | 53 | 0.11 | 7.34 | 133 | 1.2 | 0.001 |
| YY17359 | | 0.15 | 3.94 | 63 | 0.21 | 10.05 | 92 | 1.0 | <0.001 |
| YY17361 | | 0.25 | 2.15 | 42 | 0.18 | 7.05 | 78 | 1.3 | <0.001 |
| YY17362 | | 0.31 | 1.13 | 47 | 0.29 | 16.85 | 1530 | 3.1 | 0.019 |
| YY17363 | | 0.26 | 3.67 | 32 | 0.23 | 40.8 | 1920 | 1.1 | 0.007 |
| YY17364 | | 0.35 | 2.39 | 68 | 0.12 | 10.65 | 154 | 1.3 | 0.008 |
| YY17365 | | 0.39 | 6.22 | 70 | 0.05 | 8.47 | 264 | 1.0 | 0.004 |
| YY17366 | | 0.24 | 1.62 | 72 | 0.22 | 10.95 | 203 | 1.0 | 0.048 |
| YY17367 | | 0.36 | 2.74 | 110 | 0.10 | 7.49 | 177 | 0.8 | 0.003 |
| YY17368 | | 1.35 | 1.35 | 218 | 0.09 | 11.05 | 159 | 2.4 | 0.003 |
| YY17369 | | 0.21 | 0.96 | 63 | 0.52 | 5.71 | 201 | <0.5 | 0.007 |
| YY17370 | | 0.80 | 3.88 | 509 | 0.88 | 42.2 | 881 | 1.0 | 0.044 |
| YY17371 | | 1.16 | 0.68 | 134 | 0.07 | 9.40 | 149 | 0.6 | 0.001 |

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

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**Finalized Date: 11-SEP-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| YY17372 | | 0.28 | 0.25 | 2.93 | 16.0 | <0.02 | <10 | 3180 | 0.39 | 0.24 | 1.19 | 0.78 | 18.90 | 22.9 | 98 | 7.70 |
| YY17373 | | 0.26 | 0.29 | 1.87 | 24.1 | <0.02 | <10 | 1860 | 0.38 | 0.78 | 2.07 | 0.56 | 17.00 | 24.9 | 90 | 5.86 |
| YY17374 | | 0.50 | 1.62 | 2.15 | 63.8 | <0.02 | <10 | 200 | 0.74 | 0.90 | 0.10 | 0.93 | 29.5 | 13.6 | 35 | 1.53 |
| YY17375 | | 0.61 | 0.27 | 1.38 | 102.5 | <0.02 | <10 | 640 | 0.57 | 4.39 | 0.19 | 1.45 | 28.1 | 27.4 | 30 | 1.96 |
| YY17376 | | 0.29 | 0.19 | 1.79 | 14.5 | <0.02 | <10 | 760 | 0.38 | 0.44 | 1.86 | 0.52 | 20.7 | 29.1 | 88 | 1.61 |
| YY17377 | | 0.30 | 0.33 | 1.13 | 50.8 | <0.02 | <10 | 340 | 0.35 | 0.93 | 1.34 | 0.84 | 23.7 | 14.1 | 36 | 1.34 |
| YY17378 | | 0.31 | 0.34 | 1.88 | 52.2 | <0.02 | <10 | 530 | 0.39 | 0.78 | 1.37 | 1.05 | 24.7 | 25.4 | 93 | 5.70 |
| YY17379 | | 0.36 | 1.12 | 1.48 | 24.8 | <0.02 | <10 | 260 | 0.44 | 0.40 | 0.55 | 1.64 | 28.0 | 13.4 | 30 | 1.80 |
| YY17380 | | 0.38 | 0.32 | 1.42 | 33.3 | <0.02 | <10 | 330 | 0.45 | 1.07 | 1.06 | 0.90 | 25.6 | 12.1 | 43 | 4.61 |
| YY17381 | | 0.63 | 0.28 | 1.61 | 103.0 | <0.02 | <10 | 410 | 0.55 | 1.65 | 0.69 | 0.70 | 38.1 | 16.4 | 32 | 2.21 |
| YY17382 | | 0.26 | 0.34 | 1.30 | 20.2 | <0.02 | <10 | 380 | 0.39 | 0.49 | 1.57 | 1.79 | 19.45 | 11.3 | 26 | 3.45 |
| YY17383 | | 0.44 | 0.09 | 4.63 | 8.7 | <0.02 | <10 | 3330 | 0.51 | 0.20 | 0.23 | 0.35 | 14.00 | 39.1 | 162 | 4.89 |
| YY17384 | | 0.50 | 2.58 | 1.59 | 30.5 | <0.02 | <10 | 200 | 0.32 | 0.52 | 0.07 | 1.15 | 27.1 | 4.4 | 25 | 1.69 |
| YY17385 | | 0.49 | 0.94 | 2.11 | 25.5 | <0.02 | <10 | 290 | 0.58 | 0.40 | 0.10 | 1.28 | 31.4 | 7.6 | 31 | 1.54 |
| YY17386 | | 0.26 | 0.28 | 1.20 | 60.0 | <0.02 | <10 | 270 | 0.47 | 1.07 | 1.25 | 1.79 | 26.8 | 14.4 | 28 | 1.31 |
| YY17387 | | 0.23 | 0.49 | 1.21 | 46.9 | <0.02 | <10 | 420 | 0.44 | 0.88 | 1.67 | 4.00 | 23.5 | 13.9 | 30 | 1.42 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| YY17372 | | 46.9 | 4.93 | 9.49 | 0.13 | 0.02 | 0.03 | 0.051 | 0.07 | 9.8 | 32.2 | 2.38 | 830 | 1.19 | 0.02 | 2.74 |
| YY17373 | | 99.9 | 4.35 | 6.26 | 0.07 | 0.02 | 0.08 | 0.029 | 0.12 | 9.0 | 28.0 | 1.21 | 880 | 1.75 | 0.02 | 2.24 |
| YY17374 | | 39.6 | 4.15 | 5.17 | 0.05 | 0.02 | 0.07 | 0.040 | 0.06 | 15.7 | 16.5 | 0.42 | 441 | 3.55 | 0.01 | 1.27 |
| YY17375 | | 139.0 | 6.01 | 3.28 | 0.09 | 0.16 | 0.12 | 0.042 | 0.10 | 17.4 | 15.2 | 0.65 | 796 | 8.38 | 0.01 | 0.68 |
| YY17376 | | 53.7 | 4.58 | 6.18 | 0.05 | 0.02 | 0.03 | 0.028 | 0.04 | 11.6 | 17.8 | 0.96 | 674 | 1.83 | 0.02 | 0.78 |
| YY17377 | | 44.8 | 3.19 | 3.31 | 0.06 | 0.04 | 0.08 | 0.031 | 0.08 | 12.9 | 10.5 | 0.60 | 449 | 3.59 | 0.01 | 0.90 |
| YY17378 | | 56.6 | 4.59 | 6.38 | 0.08 | 0.04 | 0.06 | 0.036 | 0.13 | 13.0 | 25.5 | 1.42 | 761 | 4.06 | 0.01 | 1.56 |
| YY17379 | | 64.7 | 2.96 | 4.58 | 0.05 | 0.02 | 0.05 | 0.032 | 0.05 | 15.4 | 17.0 | 0.43 | 415 | 2.78 | 0.01 | 1.01 |
| YY17380 | | 51.9 | 3.09 | 4.44 | 0.06 | 0.04 | 0.06 | 0.032 | 0.10 | 13.6 | 19.5 | 0.74 | 464 | 3.37 | 0.01 | 1.25 |
| YY17381 | | 67.7 | 4.22 | 4.69 | 0.07 | 0.08 | 0.04 | 0.043 | 0.18 | 20.4 | 15.5 | 0.84 | 606 | 3.00 | 0.02 | 1.37 |
| YY17382 | | 40.4 | 2.58 | 3.73 | 0.06 | 0.03 | 0.06 | 0.022 | 0.06 | 11.1 | 16.5 | 0.71 | 622 | 2.07 | 0.01 | 0.94 |
| YY17383 | | 80.6 | 7.63 | 14.80 | 0.23 | <0.02 | <0.01 | 0.124 | 0.16 | 6.6 | 43.3 | 4.29 | 945 | 1.13 | 0.01 | 1.45 |
| YY17384 | | 13.1 | 2.45 | 6.21 | <0.05 | <0.02 | 0.04 | 0.024 | 0.04 | 14.8 | 15.1 | 0.27 | 180 | 1.86 | 0.01 | 1.20 |
| YY17385 | | 18.4 | 2.80 | 6.41 | 0.06 | 0.02 | 0.05 | 0.033 | 0.04 | 17.3 | 17.7 | 0.39 | 234 | 4.29 | 0.01 | 1.23 |
| YY17386 | | 41.3 | 3.00 | 3.47 | 0.07 | 0.04 | 0.06 | 0.034 | 0.09 | 14.9 | 12.6 | 0.52 | 822 | 3.73 | 0.01 | 1.26 |
| YY17387 | | 53.1 | 2.92 | 3.44 | 0.06 | 0.04 | 0.12 | 0.034 | 0.09 | 12.6 | 13.2 | 0.58 | 630 | 3.61 | 0.01 | 1.28 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| YY17372 | | 46.0 | 990 | 5.9 | 10.6 | 0.005 | 0.10 | 0.41 | 13.6 | 2.7 | 0.9 | 53.5 | <0.01 | 0.02 | 1.5 | 0.166 |
| YY17373 | | 106.0 | 940 | 9.2 | 17.0 | 0.003 | 0.15 | 0.68 | 9.3 | 2.8 | 1.8 | 79.4 | <0.01 | 0.03 | 1.2 | 0.109 |
| YY17374 | | 47.5 | 1010 | 19.5 | 12.2 | <0.001 | 0.04 | 1.56 | 2.4 | 1.8 | 0.8 | 10.4 | 0.01 | 0.06 | 1.6 | 0.034 |
| YY17375 | | 137.0 | 1240 | 18.3 | 11.3 | <0.001 | 0.05 | 3.13 | 5.1 | 3.7 | 0.5 | 17.9 | <0.01 | 0.07 | 8.3 | 0.033 |
| YY17376 | | 79.6 | 740 | 7.5 | 9.8 | <0.001 | 0.08 | 0.54 | 6.9 | 0.9 | 0.5 | 48.0 | <0.01 | 0.03 | 1.8 | 0.037 |
| YY17377 | | 52.9 | 1160 | 15.3 | 10.3 | 0.001 | 0.08 | 1.38 | 3.3 | 1.7 | 0.6 | 41.3 | <0.01 | 0.04 | 1.9 | 0.031 |
| YY17378 | | 84.8 | 1380 | 12.6 | 28.6 | 0.008 | 0.12 | 1.03 | 8.4 | 2.7 | 1.1 | 44.1 | <0.01 | 0.05 | 2.5 | 0.090 |
| YY17379 | | 84.4 | 950 | 12.6 | 18.4 | 0.001 | 0.06 | 0.88 | 3.2 | 1.9 | 0.6 | 27.0 | <0.01 | 0.04 | 1.8 | 0.025 |
| YY17380 | | 54.2 | 860 | 13.4 | 29.0 | 0.005 | 0.13 | 0.98 | 4.2 | 4.2 | 0.7 | 39.4 | <0.01 | 0.03 | 2.5 | 0.059 |
| YY17381 | | 62.2 | 1250 | 19.2 | 19.2 | <0.001 | 0.04 | 1.96 | 4.7 | 0.6 | 0.9 | 25.2 | <0.01 | 0.07 | 5.3 | 0.055 |
| YY17382 | | 54.6 | 890 | 9.3 | 15.6 | 0.005 | 0.10 | 0.55 | 2.1 | 2.4 | 0.5 | 57.3 | <0.01 | 0.04 | 1.0 | 0.050 |
| YY17383 | | 81.8 | 1020 | 3.3 | 12.8 | <0.001 | 0.02 | 0.34 | 23.9 | 0.4 | 0.8 | 15.3 | <0.01 | 0.01 | 1.0 | 0.137 |
| YY17384 | | 14.4 | 560 | 14.2 | 9.5 | <0.001 | 0.02 | 0.57 | 2.0 | 1.0 | 0.8 | 8.0 | <0.01 | 0.03 | 1.8 | 0.033 |
| YY17385 | | 29.9 | 310 | 16.7 | 9.7 | <0.001 | 0.02 | 0.75 | 2.9 | 0.8 | 0.8 | 10.0 | <0.01 | 0.04 | 2.1 | 0.031 |
| YY17386 | | 49.7 | 1270 | 16.4 | 13.0 | 0.014 | 0.09 | 1.08 | 2.9 | 3.8 | 0.7 | 43.1 | <0.01 | 0.05 | 1.6 | 0.025 |
| YY17387 | | 69.3 | 1220 | 15.0 | 13.9 | 0.020 | 0.12 | 1.34 | 2.8 | 4.4 | 0.6 | 51.3 | <0.01 | 0.05 | 1.4 | 0.026 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165310

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| YY17372 | | 0.51 | 5.15 | 115 | 0.11 | 7.34 | 133 | 0.7 | <0.001 |
| YY17373 | | 0.42 | 4.85 | 81 | 0.08 | 9.92 | 97 | 1.0 | 0.084 |
| YY17374 | | 0.22 | 1.02 | 65 | 0.23 | 4.10 | 180 | 0.5 | 0.169 |
| YY17375 | | 0.39 | 2.82 | 48 | 0.20 | 23.9 | 316 | 10.1 | 0.038 |
| YY17376 | | 0.19 | 0.88 | 74 | 0.13 | 8.73 | 61 | 0.8 | <0.001 |
| YY17377 | | 0.17 | 1.72 | 41 | 0.13 | 8.52 | 117 | 1.3 | 0.013 |
| YY17378 | | 0.60 | 3.79 | 77 | 0.13 | 10.25 | 175 | 1.4 | 0.007 |
| YY17379 | | 0.17 | 1.54 | 50 | 0.21 | 11.30 | 265 | 0.7 | 0.026 |
| YY17380 | | 0.35 | 8.35 | 47 | 0.10 | 9.12 | 135 | 1.3 | 0.012 |
| YY17381 | | 0.29 | 1.15 | 51 | 0.25 | 10.85 | 123 | 3.6 | 0.023 |
| YY17382 | | 0.21 | 6.26 | 34 | 0.12 | 8.44 | 208 | 0.7 | 0.003 |
| YY17383 | | 0.48 | 0.34 | 182 | <0.05 | 6.40 | 119 | <0.5 | 0.001 |
| YY17384 | | 0.20 | 0.45 | 66 | 0.26 | 2.16 | 121 | <0.5 | 0.019 |
| YY17385 | | 0.27 | 0.83 | 69 | 0.25 | 5.93 | 197 | <0.5 | 0.004 |
| YY17386 | | 0.19 | 4.55 | 42 | 0.15 | 9.67 | 201 | 1.3 | 0.016 |
| YY17387 | | 0.24 | 2.72 | 42 | 0.12 | 8.84 | 433 | 1.4 | 0.023 |

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

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Project: Rau


**Finalized Date: 11-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20165310

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS41

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 25-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20175564

Project: Rau

P.O. No.: R20-S02

This report is for 142 Soil samples submitted to our lab in Whitehorse, YT, Canada on 14-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| SCR-41 | Screen to -180um and save both |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-ICP21 | Au 30g FA ICP-AES Finish | ICP-AES |
| ME-MS41 | Ultra Trace Aqua Regia ICP-MS | |

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

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

**Signature:**



Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| YY17390 | | 0.24 | 1.94 | 0.94 | 89.3 | <0.02 | <10 | 620 | 0.85 | 0.51 | 2.89 | 50.5 | 32.9 | 20.6 | 15 | 0.38 |
| YY17391 | | 0.40 | 0.40 | 1.14 | 29.9 | <0.02 | <10 | 750 | 0.50 | 0.84 | 0.38 | 0.86 | 32.1 | 12.4 | 22 | 0.81 |
| YY17392 | | 0.23 | 0.42 | 1.23 | 67.9 | <0.02 | <10 | 570 | 0.47 | 1.26 | 0.41 | 0.68 | 33.8 | 12.6 | 20 | 1.07 |
| YY17393 | | 0.22 | 0.40 | 1.56 | 56.2 | <0.02 | <10 | 380 | 0.46 | 0.70 | 0.85 | 1.30 | 37.9 | 20.6 | 59 | 1.52 |
| YY17394 | | 0.55 | 0.83 | 1.10 | 87.5 | <0.02 | <10 | 230 | 0.48 | 1.22 | 1.40 | 11.55 | 29.2 | 29.5 | 37 | 1.78 |
| YY17395 | | 0.08 | 0.38 | 0.86 | 38.4 | <0.02 | <10 | 260 | 0.34 | 0.55 | 1.47 | 2.02 | 20.2 | 9.6 | 18 | 0.77 |
| YY17396 | | 0.50 | 3.30 | 2.89 | 12.1 | <0.02 | <10 | 160 | 0.24 | 0.22 | 0.52 | 0.38 | 9.33 | 42.5 | 207 | 8.49 |
| YY17397 | | 0.22 | 0.33 | 1.00 | 61.1 | <0.02 | <10 | 250 | 0.42 | 1.07 | 0.84 | 2.12 | 32.2 | 11.4 | 20 | 0.89 |
| YY17398 | | 0.55 | 0.75 | 3.46 | 14.7 | <0.02 | <10 | 1900 | 1.69 | 0.55 | 1.35 | 0.46 | 14.75 | 16.0 | 54 | 4.14 |
| YY17399 | | 0.51 | 0.52 | 1.35 | 94.6 | <0.02 | <10 | 300 | 0.69 | 1.20 | 0.53 | 1.68 | 37.0 | 17.0 | 27 | 3.25 |
| YY17400 | | 0.49 | 0.49 | 1.24 | 61.2 | <0.02 | <10 | 270 | 0.50 | 1.06 | 0.56 | 4.10 | 31.1 | 14.2 | 22 | 1.08 |
| YY17401 | | 0.45 | 0.27 | 1.58 | 87.5 | <0.02 | <10 | 310 | 0.58 | 1.07 | 0.57 | 39.4 | 33.9 | 17.4 | 44 | 2.01 |
| YY17402 | | 0.61 | 0.51 | 1.57 | 75.7 | 0.02 | <10 | 2600 | 0.63 | 1.35 | 0.61 | 2.67 | 34.6 | 14.9 | 29 | 1.59 |
| YY17403 | | 0.21 | 0.31 | 0.97 | 59.0 | 0.06 | <10 | 280 | 0.40 | 0.94 | 0.87 | 3.96 | 29.4 | 15.9 | 19 | 0.92 |
| YY17404 | | 0.38 | 0.39 | 0.93 | 87.2 | <0.02 | <10 | 220 | 0.44 | 1.22 | 0.93 | 3.52 | 29.2 | 13.2 | 21 | 1.14 |
| YY17405 | | 0.34 | 0.30 | 0.97 | 36.1 | <0.02 | <10 | 370 | 0.35 | 1.02 | 0.12 | 2.67 | 29.6 | 4.9 | 22 | 0.75 |
| YY17406 | | 0.31 | 0.62 | 1.17 | 54.1 | <0.02 | <10 | 240 | 0.56 | 1.16 | 0.09 | 2.47 | 32.1 | 10.7 | 33 | 1.15 |
| YY17407 | | 0.29 | 0.68 | 2.42 | 29.0 | <0.02 | <10 | 200 | 0.69 | 0.86 | 0.08 | 2.31 | 27.7 | 11.2 | 34 | 1.50 |
| YY17408 | | 0.34 | 0.44 | 1.16 | 54.4 | <0.02 | <10 | 550 | 0.65 | 1.58 | 0.24 | 8.66 | 33.7 | 11.0 | 33 | 1.38 |
| YY17409 | | 0.42 | 0.57 | 1.59 | 84.3 | <0.02 | <10 | 1220 | 0.52 | 1.27 | 1.95 | 6.12 | 24.7 | 18.7 | 49 | 2.22 |
| YY17410 | | 0.22 | 0.34 | 1.06 | 23.4 | <0.02 | <10 | 590 | 0.47 | 0.81 | 1.33 | 5.61 | 21.6 | 11.0 | 24 | 0.89 |
| YY17411 | | 0.33 | 0.44 | 1.20 | 29.6 | <0.02 | <10 | 570 | 0.53 | 0.96 | 0.96 | 4.62 | 24.5 | 12.7 | 27 | 1.08 |
| YY17412 | | 0.33 | 0.42 | 1.27 | 38.4 | <0.02 | <10 | 500 | 0.53 | 1.12 | 0.70 | 2.80 | 26.4 | 13.9 | 29 | 1.24 |
| YY17413 | | 0.16 | 0.32 | 1.15 | 24.7 | <0.02 | <10 | 350 | 0.47 | 1.18 | 0.92 | 3.51 | 22.9 | 7.5 | 26 | 1.21 |
| YY17414 | | 0.54 | 0.40 | 1.19 | 33.6 | <0.02 | <10 | 280 | 0.57 | 1.33 | 3.03 | 1.79 | 28.2 | 12.0 | 26 | 1.58 |
| YY17415 | | 0.40 | 0.29 | 2.99 | 29.1 | 0.11 | <10 | 270 | 1.11 | 0.72 | 0.61 | 1.57 | 31.5 | 17.4 | 58 | 3.49 |
| YY17416 | | 0.37 | 0.35 | 1.44 | 64.7 | <0.02 | <10 | 360 | 0.51 | 1.16 | 0.34 | 1.57 | 27.3 | 9.4 | 33 | 1.39 |
| YY17417 | | 0.21 | 0.32 | 1.10 | 45.0 | <0.02 | <10 | 500 | 0.43 | 0.85 | 1.01 | 2.56 | 23.3 | 7.5 | 27 | 1.04 |
| YY17418 | | 0.19 | 0.39 | 1.15 | 23.7 | <0.02 | <10 | 530 | 0.58 | 0.79 | 1.42 | 4.21 | 24.3 | 8.4 | 27 | 1.10 |
| YY17419 | | 0.40 | 0.65 | 1.53 | 32.0 | <0.02 | <10 | 810 | 0.70 | 0.96 | 1.08 | 12.30 | 28.1 | 11.4 | 37 | 1.85 |
| YY17420 | | 0.42 | 0.51 | 2.75 | 28.8 | <0.02 | <10 | 360 | 1.01 | 0.64 | 0.31 | 2.25 | 36.6 | 12.7 | 47 | 2.44 |
| YY17421 | | 0.43 | 0.33 | 1.86 | 53.0 | <0.02 | <10 | 320 | 0.71 | 1.16 | 0.19 | 2.40 | 32.6 | 14.6 | 36 | 1.57 |
| YY17422 | | 0.40 | 0.19 | 2.24 | 50.1 | <0.02 | <10 | 410 | 0.89 | 0.99 | 0.36 | 1.31 | 28.3 | 12.9 | 43 | 1.89 |
| YY17423 | | 0.31 | 0.54 | 1.56 | 34.8 | <0.02 | <10 | 650 | 0.70 | 0.84 | 1.11 | 2.49 | 24.6 | 13.1 | 33 | 1.53 |
| YY17424 | | 0.20 | 0.66 | 1.22 | 44.4 | 0.02 | <10 | 240 | 0.46 | 0.55 | 1.15 | 8.26 | 20.9 | 11.6 | 25 | 1.36 |
| YY17425 | | 0.22 | 0.86 | 1.57 | 52.9 | <0.02 | <10 | 160 | 0.54 | 0.77 | 0.19 | 3.71 | 19.65 | 7.6 | 25 | 2.21 |
| YY17426 | | 0.40 | 0.44 | 1.30 | 96.0 | <0.02 | <10 | 390 | 0.55 | 1.41 | 0.59 | 13.70 | 36.8 | 15.0 | 23 | 1.45 |
| YY17427 | | 0.53 | 0.59 | 1.59 | 116.0 | <0.02 | <10 | 460 | 0.58 | 0.99 | 0.45 | 3.08 | 37.3 | 20.6 | 37 | 1.39 |
| YY17428 | | 0.17 | 0.45 | 1.06 | 55.5 | <0.02 | <10 | 290 | 0.39 | 0.65 | 1.17 | 7.79 | 22.7 | 16.5 | 27 | 1.29 |
| YY17429 | | 0.34 | 0.42 | 1.21 | 42.5 | 0.03 | <10 | 610 | 0.33 | 0.60 | 0.15 | 1.69 | 28.4 | 9.5 | 23 | 1.29 |

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

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| YY17390 | | 132.5 | 10.95 | 1.88 | 0.14 | 0.08 | 0.14 | 0.631 | 0.04 | 20.2 | 4.7 | 1.60 | 2490 | 23.9 | 0.01 | 0.27 |
| YY17391 | | 56.0 | 3.40 | 3.52 | 0.07 | 0.04 | 0.05 | 0.025 | 0.05 | 16.9 | 10.4 | 0.35 | 514 | 7.25 | 0.01 | 0.64 |
| YY17392 | | 45.8 | 3.23 | 3.68 | 0.07 | 0.03 | 0.06 | 0.043 | 0.08 | 17.7 | 9.6 | 0.40 | 486 | 4.68 | 0.01 | 1.07 |
| YY17393 | | 51.6 | 4.08 | 5.55 | 0.09 | 0.05 | 0.07 | 0.053 | 0.06 | 19.7 | 15.6 | 0.89 | 680 | 5.47 | 0.01 | 1.33 |
| YY17394 | | 95.4 | 4.92 | 3.57 | 0.10 | 0.06 | 0.08 | 0.054 | 0.11 | 16.2 | 10.3 | 0.98 | 865 | 13.50 | 0.01 | 1.09 |
| YY17395 | | 31.6 | 2.51 | 2.75 | 0.05 | 0.04 | 0.08 | 0.034 | 0.04 | 10.5 | 8.9 | 0.38 | 906 | 7.19 | 0.01 | 0.75 |
| YY17396 | | 108.5 | 13.00 | 12.15 | 0.75 | 0.04 | 0.02 | 0.064 | 1.00 | 4.4 | 37.2 | 3.36 | 1280 | 5.19 | 0.10 | 0.07 |
| YY17397 | | 54.2 | 2.82 | 3.07 | 0.07 | 0.07 | 0.07 | 0.040 | 0.08 | 16.9 | 9.6 | 0.43 | 410 | 7.53 | 0.01 | 1.23 |
| YY17398 | | 55.4 | 5.75 | 10.45 | 0.11 | 0.04 | 0.03 | 0.038 | 0.21 | 8.2 | 30.2 | 2.89 | 1080 | 1.09 | 0.11 | 1.10 |
| YY17399 | | 80.2 | 4.02 | 3.71 | 0.09 | 0.06 | 0.05 | 0.032 | 0.17 | 21.3 | 14.0 | 0.60 | 668 | 3.79 | 0.01 | 0.72 |
| YY17400 | | 62.0 | 3.53 | 3.63 | 0.07 | 0.03 | 0.07 | 0.047 | 0.08 | 16.3 | 12.1 | 0.42 | 634 | 5.34 | 0.01 | 0.95 |
| YY17401 | | 67.8 | 5.35 | 4.70 | 0.12 | 0.04 | 0.04 | 0.060 | 0.12 | 17.0 | 13.5 | 0.98 | 796 | 22.5 | 0.01 | 1.75 |
| YY17402 | | 78.5 | 4.18 | 4.53 | 0.09 | 0.05 | 0.06 | 0.046 | 0.14 | 19.5 | 13.7 | 0.90 | 682 | 4.52 | 0.01 | 1.11 |
| YY17403 | | 41.8 | 3.17 | 2.93 | 0.08 | 0.04 | 0.06 | 0.037 | 0.07 | 15.4 | 9.5 | 0.41 | 1110 | 5.42 | 0.01 | 0.95 |
| YY17404 | | 60.6 | 3.57 | 2.86 | 0.08 | 0.05 | 0.07 | 0.039 | 0.09 | 15.3 | 8.4 | 0.48 | 326 | 10.20 | 0.01 | 1.28 |
| YY17405 | | 31.3 | 2.61 | 4.32 | 0.06 | <0.02 | 0.03 | 0.051 | 0.06 | 17.8 | 5.9 | 0.15 | 183 | 27.6 | 0.01 | 0.53 |
| YY17406 | | 103.0 | 3.59 | 3.64 | 0.08 | 0.02 | 0.10 | 0.062 | 0.08 | 18.7 | 10.3 | 0.37 | 406 | 22.0 | 0.01 | 0.68 |
| YY17407 | | 36.4 | 3.60 | 5.55 | 0.07 | 0.04 | 0.05 | 0.046 | 0.07 | 14.5 | 20.2 | 0.45 | 292 | 3.94 | 0.01 | 1.22 |
| YY17408 | | 86.9 | 2.91 | 3.89 | 0.10 | 0.02 | 0.15 | 0.060 | 0.10 | 20.2 | 11.2 | 0.53 | 564 | 15.50 | 0.01 | 0.57 |
| YY17409 | | 93.0 | 3.90 | 4.82 | 0.10 | 0.13 | 0.09 | 0.055 | 0.16 | 14.6 | 14.0 | 1.93 | 454 | 14.35 | 0.02 | 0.77 |
| YY17410 | | 35.0 | 2.18 | 3.23 | 0.06 | 0.05 | 0.09 | 0.032 | 0.06 | 11.9 | 10.6 | 0.51 | 605 | 4.93 | 0.01 | 0.78 |
| YY17411 | | 38.9 | 2.50 | 3.73 | 0.06 | 0.05 | 0.11 | 0.038 | 0.07 | 13.5 | 12.3 | 0.54 | 675 | 6.98 | 0.01 | 0.81 |
| YY17412 | | 38.0 | 2.85 | 3.87 | 0.07 | 0.04 | 0.12 | 0.040 | 0.08 | 14.5 | 13.2 | 0.55 | 713 | 7.08 | 0.01 | 0.85 |
| YY17413 | | 36.0 | 2.15 | 3.55 | 0.06 | 0.06 | 0.11 | 0.038 | 0.08 | 12.7 | 12.1 | 0.52 | 314 | 3.96 | 0.01 | 0.84 |
| YY17414 | | 48.5 | 2.99 | 3.50 | 0.08 | 0.08 | 0.08 | 0.039 | 0.12 | 14.6 | 13.6 | 2.00 | 612 | 3.97 | 0.02 | 0.74 |
| YY17415 | | 62.2 | 4.48 | 6.65 | 0.10 | 0.07 | 0.11 | 0.068 | 0.12 | 16.5 | 23.9 | 1.43 | 1040 | 4.12 | 0.04 | 1.91 |
| YY17416 | | 26.2 | 2.92 | 4.42 | 0.07 | 0.03 | 0.12 | 0.046 | 0.08 | 14.4 | 14.9 | 0.57 | 1160 | 15.00 | 0.01 | 0.78 |
| YY17417 | | 32.3 | 2.38 | 3.16 | 0.07 | 0.06 | 0.12 | 0.038 | 0.07 | 12.8 | 10.6 | 0.49 | 472 | 7.69 | 0.01 | 0.77 |
| YY17418 | | 49.6 | 2.23 | 3.43 | 0.07 | 0.07 | 0.11 | 0.044 | 0.06 | 13.5 | 12.0 | 0.54 | 426 | 5.39 | 0.01 | 0.89 |
| YY17419 | | 75.5 | 3.00 | 4.24 | 0.08 | 0.07 | 0.14 | 0.047 | 0.09 | 17.4 | 15.4 | 0.74 | 293 | 9.14 | 0.02 | 1.01 |
| YY17420 | | 57.6 | 3.71 | 7.20 | 0.09 | 0.07 | 0.11 | 0.050 | 0.20 | 20.2 | 20.7 | 1.21 | 385 | 5.81 | 0.02 | 1.51 |
| YY17421 | | 59.7 | 3.78 | 4.64 | 0.08 | 0.03 | 0.08 | 0.052 | 0.10 | 18.0 | 16.7 | 0.64 | 465 | 7.53 | 0.01 | 1.00 |
| YY17422 | | 96.8 | 3.83 | 5.89 | 0.08 | 0.06 | 0.12 | 0.056 | 0.10 | 17.5 | 19.2 | 0.90 | 381 | 9.25 | 0.02 | 0.91 |
| YY17423 | | 51.7 | 3.05 | 4.33 | 0.07 | 0.06 | 0.08 | 0.046 | 0.07 | 13.3 | 15.0 | 0.69 | 424 | 4.31 | 0.02 | 0.90 |
| YY17424 | | 44.2 | 2.51 | 3.46 | 0.06 | 0.03 | 0.10 | 0.033 | 0.06 | 11.4 | 12.2 | 0.58 | 407 | 6.15 | 0.02 | 0.87 |
| YY17425 | | 57.8 | 3.06 | 4.18 | 0.06 | <0.02 | 0.07 | 0.036 | 0.11 | 10.5 | 11.3 | 0.62 | 263 | 5.25 | 0.02 | 0.76 |
| YY17426 | | 74.3 | 3.71 | 3.56 | 0.09 | 0.04 | 0.08 | 0.040 | 0.16 | 19.6 | 10.5 | 0.52 | 597 | 5.15 | 0.01 | 0.97 |
| YY17427 | | 92.3 | 5.26 | 4.28 | 0.10 | 0.04 | 0.10 | 0.052 | 0.09 | 22.3 | 13.7 | 0.62 | 697 | 7.89 | 0.01 | 1.05 |
| YY17428 | | 43.1 | 3.47 | 3.24 | 0.06 | 0.03 | 0.10 | 0.037 | 0.05 | 11.5 | 9.9 | 0.43 | 1510 | 8.23 | 0.01 | 0.87 |
| YY17429 | | 53.2 | 2.94 | 3.84 | 0.07 | <0.02 | 0.06 | 0.035 | 0.05 | 15.1 | 8.4 | 0.25 | 448 | 5.39 | 0.01 | 0.54 |

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

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**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| YY17390 | | 208 | 1400 | 15.5 | 4.0 | <0.001 | 0.23 | 5.48 | 7.2 | 17.4 | 0.3 | 170.5 | 0.01 | 0.06 | 4.1 | 0.009 |
| YY17391 | | 62.5 | 1110 | 12.1 | 8.5 | <0.001 | 0.04 | 1.17 | 3.2 | 2.1 | 0.4 | 32.4 | <0.01 | 0.04 | 3.2 | 0.019 |
| YY17392 | | 37.0 | 1430 | 17.7 | 11.1 | 0.001 | 0.03 | 1.22 | 2.9 | 2.6 | 0.6 | 22.0 | <0.01 | 0.05 | 2.8 | 0.020 |
| YY17393 | | 65.5 | 1320 | 15.5 | 10.4 | 0.001 | 0.04 | 1.55 | 6.7 | 2.0 | 0.5 | 39.9 | <0.01 | 0.05 | 3.3 | 0.037 |
| YY17394 | | 234 | 1640 | 17.3 | 13.4 | 0.004 | 0.06 | 2.60 | 4.3 | 4.9 | 0.6 | 46.4 | <0.01 | 0.07 | 3.6 | 0.040 |
| YY17395 | | 38.6 | 1310 | 9.9 | 6.4 | 0.007 | 0.12 | 1.20 | 2.0 | 3.1 | 0.3 | 51.9 | <0.01 | 0.04 | 1.3 | 0.018 |
| YY17396 | | 155.0 | 980 | 8.9 | 47.6 | 0.002 | 0.91 | 1.41 | 17.9 | 8.8 | 0.4 | 53.5 | <0.01 | 0.03 | 1.1 | 0.112 |
| YY17397 | | 47.4 | 1260 | 16.0 | 9.7 | 0.003 | 0.06 | 1.71 | 3.3 | 3.5 | 0.5 | 30.2 | <0.01 | 0.05 | 4.0 | 0.026 |
| YY17398 | | 66.7 | 540 | 10.9 | 26.4 | <0.001 | 0.04 | 0.67 | 8.4 | 1.1 | 1.0 | 182.0 | <0.01 | 0.06 | 6.7 | 0.126 |
| YY17399 | | 128.0 | 2310 | 17.7 | 16.7 | <0.001 | 0.02 | 2.77 | 3.4 | 1.4 | 0.6 | 29.7 | <0.01 | 0.13 | 6.3 | 0.030 |
| YY17400 | | 64.9 | 1640 | 15.1 | 11.0 | 0.002 | 0.04 | 1.77 | 3.0 | 2.3 | 0.6 | 29.5 | <0.01 | 0.06 | 3.0 | 0.022 |
| YY17401 | | 469 | 1890 | 15.6 | 14.2 | 0.002 | 0.04 | 6.04 | 4.9 | 3.5 | 0.7 | 29.6 | <0.01 | 0.08 | 4.3 | 0.055 |
| YY17402 | | 74.8 | 1340 | 16.0 | 16.9 | 0.001 | 0.03 | 1.82 | 4.8 | 2.1 | 0.7 | 76.4 | <0.01 | 0.06 | 4.8 | 0.047 |
| YY17403 | | 52.4 | 1270 | 15.4 | 11.6 | 0.006 | 0.07 | 1.57 | 2.8 | 6.3 | 0.4 | 45.3 | <0.01 | 0.05 | 2.8 | 0.022 |
| YY17404 | | 62.0 | 1500 | 17.3 | 11.7 | 0.004 | 0.06 | 2.95 | 3.0 | 4.2 | 0.5 | 44.5 | <0.01 | 0.05 | 3.3 | 0.030 |
| YY17405 | | 61.0 | 770 | 17.0 | 8.5 | <0.001 | 0.02 | 2.60 | 1.3 | 4.6 | 1.2 | 15.6 | <0.01 | 0.07 | 0.7 | 0.016 |
| YY17406 | | 116.0 | 1190 | 21.4 | 11.9 | <0.001 | 0.01 | 2.89 | 4.1 | 4.8 | 1.8 | 19.7 | <0.01 | 0.08 | 3.4 | 0.025 |
| YY17407 | | 43.4 | 700 | 20.3 | 15.9 | <0.001 | 0.02 | 1.41 | 3.5 | 2.5 | 0.8 | 12.0 | 0.01 | 0.06 | 4.4 | 0.032 |
| YY17408 | | 110.0 | 1150 | 19.2 | 12.3 | 0.001 | 0.02 | 3.76 | 3.2 | 2.9 | 1.0 | 22.4 | <0.01 | 0.10 | 2.2 | 0.030 |
| YY17409 | | 113.5 | 1270 | 19.3 | 15.2 | 0.001 | 0.04 | 3.59 | 7.0 | 3.3 | 0.9 | 48.2 | <0.01 | 0.07 | 4.1 | 0.052 |
| YY17410 | | 54.9 | 1070 | 16.4 | 9.9 | 0.001 | 0.07 | 1.60 | 2.6 | 2.5 | 0.6 | 39.1 | <0.01 | 0.05 | 1.8 | 0.021 |
| YY17411 | | 55.6 | 1100 | 19.3 | 12.1 | 0.001 | 0.05 | 1.69 | 3.0 | 3.1 | 0.7 | 34.1 | <0.01 | 0.07 | 1.8 | 0.020 |
| YY17412 | | 48.0 | 1130 | 20.0 | 12.8 | 0.001 | 0.05 | 1.73 | 3.2 | 3.1 | 0.7 | 27.8 | <0.01 | 0.07 | 2.1 | 0.022 |
| YY17413 | | 40.7 | 1080 | 20.0 | 12.5 | 0.002 | 0.07 | 1.76 | 3.0 | 2.6 | 0.7 | 30.9 | <0.01 | 0.05 | 2.1 | 0.021 |
| YY17414 | | 45.5 | 1050 | 27.2 | 12.9 | 0.001 | 0.01 | 2.21 | 3.8 | 0.9 | 0.7 | 35.2 | <0.01 | 0.05 | 3.7 | 0.034 |
| YY17415 | | 60.7 | 1740 | 31.1 | 13.6 | <0.001 | 0.03 | 1.77 | 7.5 | 1.3 | 0.8 | 25.1 | 0.01 | 0.06 | 4.6 | 0.101 |
| YY17416 | | 36.8 | 980 | 23.2 | 12.4 | 0.002 | 0.02 | 2.15 | 3.0 | 2.9 | 0.8 | 18.8 | <0.01 | 0.07 | 2.9 | 0.023 |
| YY17417 | | 42.8 | 1090 | 17.9 | 9.0 | 0.002 | 0.07 | 1.56 | 2.7 | 4.1 | 0.6 | 32.2 | <0.01 | 0.06 | 2.2 | 0.022 |
| YY17418 | | 61.9 | 1100 | 20.0 | 9.8 | 0.001 | 0.07 | 1.84 | 3.1 | 5.5 | 0.7 | 45.7 | <0.01 | 0.07 | 2.4 | 0.025 |
| YY17419 | | 111.5 | 1370 | 23.4 | 14.3 | 0.001 | 0.03 | 2.89 | 4.0 | 3.7 | 0.9 | 37.0 | <0.01 | 0.08 | 3.1 | 0.037 |
| YY17420 | | 72.6 | 970 | 19.5 | 17.2 | <0.001 | 0.02 | 1.74 | 6.0 | 1.1 | 0.7 | 22.2 | <0.01 | 0.06 | 6.7 | 0.101 |
| YY17421 | | 77.2 | 940 | 26.1 | 14.0 | <0.001 | 0.01 | 2.41 | 3.6 | 1.3 | 0.9 | 17.9 | <0.01 | 0.07 | 4.3 | 0.037 |
| YY17422 | | 80.6 | 1080 | 23.0 | 14.6 | 0.001 | 0.01 | 2.72 | 5.5 | 1.3 | 1.2 | 20.1 | <0.01 | 0.06 | 5.3 | 0.062 |
| YY17423 | | 56.7 | 1310 | 24.1 | 13.2 | 0.001 | 0.04 | 2.19 | 3.4 | 1.4 | 0.7 | 34.4 | <0.01 | 0.05 | 2.1 | 0.035 |
| YY17424 | | 73.9 | 1050 | 12.8 | 15.2 | 0.006 | 0.07 | 1.90 | 2.3 | 4.1 | 0.4 | 46.8 | <0.01 | 0.05 | 1.6 | 0.027 |
| YY17425 | | 43.5 | 1230 | 11.9 | 16.9 | 0.001 | 0.10 | 1.79 | 1.8 | 4.9 | 0.5 | 16.0 | <0.01 | 0.05 | 0.7 | 0.027 |
| YY17426 | | 96.2 | 1520 | 19.0 | 19.4 | 0.002 | 0.02 | 2.30 | 3.4 | 3.5 | 0.6 | 32.9 | <0.01 | 0.06 | 3.6 | 0.028 |
| YY17427 | | 94.9 | 1400 | 23.2 | 12.1 | <0.001 | 0.03 | 2.54 | 5.8 | 3.6 | 0.8 | 26.9 | <0.01 | 0.09 | 3.8 | 0.034 |
| YY17428 | | 91.1 | 1330 | 13.7 | 10.5 | 0.011 | 0.09 | 1.54 | 2.8 | 5.2 | 0.4 | 41.3 | <0.01 | 0.05 | 1.3 | 0.021 |
| YY17429 | | 38.4 | 1130 | 14.4 | 8.9 | <0.001 | 0.03 | 1.28 | 1.3 | 2.0 | 0.5 | 14.0 | <0.01 | 0.06 | 0.4 | 0.017 |

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

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**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| YY17390 | | 0.21 | 2.53 | 30 | 0.09 | 40.6 | 2570 | 3.1 | 0.071 |
| YY17391 | | 0.13 | 2.85 | 38 | 0.20 | 11.50 | 178 | 1.2 | 0.009 |
| YY17392 | | 0.17 | 1.67 | 37 | 0.21 | 9.66 | 127 | 1.0 | 0.033 |
| YY17393 | | 0.23 | 2.87 | 66 | 0.13 | 11.25 | 148 | 1.7 | 0.011 |
| YY17394 | | 0.34 | 2.53 | 52 | 0.14 | 15.25 | 1470 | 2.8 | 0.150 |
| YY17395 | | 0.15 | 3.81 | 28 | 0.13 | 7.65 | 123 | 1.7 | 0.010 |
| YY17396 | | 1.98 | 1.91 | 126 | <0.05 | 16.70 | 85 | 1.8 | 0.003 |
| YY17397 | | 0.16 | 2.34 | 36 | 0.15 | 9.93 | 221 | 3.3 | 0.046 |
| YY17398 | | 0.47 | 1.58 | 112 | 0.06 | 14.45 | 182 | 2.7 | 0.005 |
| YY17399 | | 0.29 | 2.09 | 43 | 0.15 | 13.65 | 407 | 3.6 | 0.076 |
| YY17400 | | 0.20 | 2.09 | 41 | 0.18 | 10.20 | 391 | 1.3 | 0.025 |
| YY17401 | | 0.87 | 2.60 | 75 | 0.21 | 9.57 | 9610 | 2.1 | 0.018 |
| YY17402 | | 0.24 | 1.60 | 51 | 0.15 | 14.65 | 381 | 2.9 | 0.041 |
| YY17403 | | 0.16 | 2.43 | 34 | 0.15 | 8.76 | 452 | 1.8 | 0.010 |
| YY17404 | | 0.27 | 3.57 | 47 | 0.22 | 10.05 | 284 | 2.5 | 0.018 |
| YY17405 | | 0.25 | 0.91 | 146 | 0.89 | 3.21 | 342 | <0.5 | 0.007 |
| YY17406 | | 0.41 | 1.83 | 170 | 0.69 | 10.30 | 605 | 0.9 | 0.010 |
| YY17407 | | 0.20 | 0.90 | 67 | 0.44 | 3.63 | 277 | 1.7 | 0.005 |
| YY17408 | | 0.57 | 1.81 | 183 | 0.72 | 15.20 | 714 | <0.5 | 0.009 |
| YY17409 | | 0.58 | 1.39 | 121 | 0.56 | 13.05 | 561 | 7.8 | 0.019 |
| YY17410 | | 0.21 | 1.93 | 67 | 0.36 | 9.86 | 320 | 1.9 | 0.008 |
| YY17411 | | 0.27 | 2.47 | 79 | 0.46 | 11.15 | 362 | 1.5 | 0.008 |
| YY17412 | | 0.30 | 2.39 | 86 | 0.42 | 11.10 | 328 | 1.3 | 0.009 |
| YY17413 | | 0.25 | 1.44 | 57 | 0.41 | 9.15 | 275 | 2.4 | 0.008 |
| YY17414 | | 0.28 | 0.84 | 49 | 0.69 | 10.25 | 187 | 3.4 | 0.008 |
| YY17415 | | 0.36 | 1.56 | 110 | 1.01 | 17.55 | 234 | 3.1 | 0.006 |
| YY17416 | | 0.34 | 1.68 | 113 | 0.50 | 6.80 | 314 | 1.0 | 0.011 |
| YY17417 | | 0.24 | 2.65 | 77 | 0.44 | 9.10 | 251 | 2.2 | 0.009 |
| YY17418 | | 0.25 | 1.99 | 85 | 0.37 | 12.80 | 339 | 3.2 | 0.007 |
| YY17419 | | 0.39 | 3.18 | 132 | 0.61 | 17.40 | 927 | 3.3 | 0.015 |
| YY17420 | | 0.32 | 1.44 | 104 | 0.53 | 11.55 | 375 | 3.9 | 0.009 |
| YY17421 | | 0.31 | 0.95 | 85 | 0.55 | 7.56 | 359 | 1.9 | 0.014 |
| YY17422 | | 0.31 | 1.33 | 100 | 0.46 | 11.70 | 411 | 4.3 | 0.022 |
| YY17423 | | 0.22 | 2.10 | 65 | 0.34 | 11.00 | 220 | 2.8 | 0.009 |
| YY17424 | | 0.35 | 3.89 | 80 | 0.23 | 7.72 | 752 | 1.2 | 0.010 |
| YY17425 | | 0.23 | 1.47 | 49 | 0.17 | 5.73 | 380 | <0.5 | 0.019 |
| YY17426 | | 0.24 | 1.22 | 44 | 0.20 | 11.45 | 826 | 1.6 | 0.026 |
| YY17427 | | 0.26 | 2.22 | 56 | 0.20 | 18.45 | 309 | 1.6 | 0.018 |
| YY17428 | | 0.24 | 4.87 | 40 | 0.13 | 8.63 | 711 | 1.0 | 0.012 |
| YY17429 | | 0.17 | 1.61 | 48 | 0.19 | 6.36 | 178 | <0.5 | 0.010 |

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

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| YY17430 | | 0.27 | 2.13 | 0.90 | 26.1 | <0.02 | <10 | 130 | 0.24 | 0.25 | 0.10 | 4.93 | 16.85 | 8.0 | 33 | 1.51 |
| YY17431 | | 0.55 | 0.37 | 1.26 | 65.5 | <0.02 | <10 | 260 | 0.47 | 0.86 | 0.49 | 1.52 | 35.7 | 13.1 | 24 | 1.08 |
| YY17432 | | 0.27 | 0.31 | 1.71 | 28.2 | <0.02 | <10 | 470 | 0.36 | 0.38 | 1.47 | 3.79 | 22.9 | 27.2 | 81 | 1.64 |
| YY17433 | | 0.29 | 0.41 | 1.28 | 57.8 | <0.02 | <10 | 280 | 0.52 | 0.73 | 0.79 | 1.29 | 33.4 | 15.6 | 28 | 1.13 |
| YY17434 | | 0.46 | 0.23 | 1.33 | 91.1 | <0.02 | <10 | 210 | 0.35 | 0.98 | 0.45 | 0.29 | 26.0 | 10.4 | 24 | 1.03 |
| YY17435 | | 0.32 | 0.27 | 2.38 | 42.3 | <0.02 | <10 | 610 | 0.64 | 0.50 | 1.26 | 0.50 | 25.3 | 36.3 | 96 | 2.62 |
| YY17436 | | 0.46 | 0.14 | 2.08 | 85.8 | <0.02 | <10 | 620 | 0.83 | 0.35 | 0.66 | 0.28 | 45.6 | 52.0 | 81 | 1.69 |
| YY17437 | | 0.42 | 0.15 | 1.39 | 53.9 | <0.02 | <10 | 150 | 0.44 | 0.64 | 0.11 | 0.47 | 25.5 | 7.8 | 24 | 1.04 |
| YY17438 | | 0.52 | 0.07 | 1.60 | 130.0 | <0.02 | <10 | 280 | 0.62 | 1.35 | 0.09 | 0.32 | 42.8 | 12.7 | 23 | 1.11 |
| YY17439 | | 0.50 | 0.29 | 1.56 | 84.3 | <0.02 | <10 | 230 | 0.72 | 2.07 | 0.18 | 0.19 | 42.0 | 14.3 | 22 | 1.08 |
| YY17440 | | 0.46 | 0.13 | 1.36 | 106.5 | 0.04 | <10 | 240 | 0.58 | 1.62 | 0.61 | 0.21 | 37.1 | 14.9 | 21 | 1.03 |
| YY17441 | | 0.49 | 0.22 | 1.39 | 115.0 | 0.02 | <10 | 250 | 0.60 | 1.52 | 0.50 | 0.36 | 33.3 | 13.9 | 21 | 1.02 |
| YY17442 | | 0.38 | 0.28 | 1.28 | 91.5 | 0.05 | <10 | 220 | 0.54 | 1.56 | 1.00 | 0.37 | 29.0 | 11.6 | 18 | 0.96 |
| YY17443 | | 0.52 | 0.31 | 1.23 | 90.6 | <0.02 | <10 | 250 | 0.53 | 1.26 | 4.82 | 0.84 | 33.8 | 15.3 | 18 | 1.51 |
| YY17444 | | 0.40 | 0.34 | 1.48 | 124.5 | <0.02 | <10 | 300 | 0.68 | 1.53 | 1.00 | 0.36 | 30.8 | 13.3 | 22 | 0.96 |
| YY17445 | | 0.46 | 0.29 | 1.33 | 121.5 | 0.03 | <10 | 210 | 0.63 | 1.81 | 0.84 | 0.42 | 37.6 | 15.6 | 20 | 1.04 |
| YY17446 | | 0.43 | 0.26 | 1.51 | 103.5 | 0.02 | <10 | 210 | 0.68 | 1.40 | 0.36 | 0.26 | 42.8 | 16.0 | 22 | 1.05 |
| YY17447 | | 0.34 | 0.19 | 1.62 | 97.8 | <0.02 | <10 | 240 | 0.73 | 1.61 | 0.46 | 0.32 | 33.0 | 15.3 | 21 | 0.89 |
| YY17448 | | 0.37 | 0.21 | 1.80 | 98.9 | 0.02 | <10 | 350 | 0.67 | 1.22 | 0.51 | 0.25 | 35.6 | 15.5 | 26 | 1.86 |
| YY17449 | | Listed, NR | | | | | | | | | | | | | | |
| YY17450 | | 0.48 | 0.25 | 1.85 | 114.5 | <0.02 | <10 | 340 | 0.73 | 1.30 | 0.78 | 0.22 | 34.5 | 15.9 | 26 | 2.27 |
| YY17451 | | 0.38 | 0.18 | 1.99 | 62.8 | <0.02 | <10 | 190 | 0.62 | 0.62 | 0.14 | 0.20 | 29.7 | 12.7 | 33 | 1.25 |
| YY17452 | | 0.37 | 0.42 | 1.85 | 78.4 | <0.02 | <10 | 120 | 0.54 | 0.63 | 0.08 | 0.22 | 27.4 | 10.7 | 29 | 1.09 |
| YY17453 | | 0.39 | 0.14 | 1.62 | 125.5 | 0.09 | <10 | 180 | 0.47 | 1.01 | 0.11 | 0.12 | 30.2 | 10.5 | 27 | 1.09 |
| YY17454 | | 0.40 | 0.25 | 1.06 | 106.5 | <0.02 | <10 | 190 | 0.29 | 1.03 | 0.11 | 0.19 | 26.6 | 8.1 | 18 | 0.63 |
| YY17455 | | 0.44 | 0.15 | 1.25 | 131.0 | 0.02 | <10 | 210 | 0.39 | 1.45 | 0.09 | 0.16 | 33.4 | 9.9 | 19 | 1.10 |
| YY17456 | | 0.43 | 0.10 | 1.37 | 105.5 | <0.02 | <10 | 220 | 0.43 | 1.07 | 0.28 | 0.15 | 31.8 | 9.1 | 20 | 1.33 |
| YY17457 | | 0.50 | 0.08 | 1.78 | 125.0 | <0.02 | <10 | 360 | 0.58 | 1.11 | 0.30 | 0.15 | 35.1 | 13.6 | 24 | 1.69 |
| YY17458 | | 0.37 | 0.15 | 1.39 | 254 | 0.07 | <10 | 190 | 0.50 | 1.29 | 0.21 | 0.23 | 35.6 | 15.7 | 22 | 1.14 |
| YY17459 | | 0.42 | 0.27 | 1.43 | 718 | 0.02 | <10 | 330 | 0.55 | 1.56 | 0.60 | 0.31 | 35.9 | 20.5 | 17 | 1.90 |
| YY17460 | | 0.38 | 0.16 | 1.57 | 155.0 | <0.02 | <10 | 320 | 0.55 | 1.19 | 0.43 | 0.22 | 36.5 | 15.5 | 19 | 1.74 |
| YY17461 | | 0.43 | 0.25 | 1.57 | 150.0 | 0.02 | <10 | 340 | 0.56 | 1.45 | 0.73 | 0.16 | 33.2 | 17.1 | 21 | 1.96 |
| YY17462 | | 0.34 | 0.34 | 1.06 | 310 | 0.02 | <10 | 260 | 0.42 | 3.57 | 1.23 | 0.22 | 32.9 | 20.3 | 17 | 2.22 |
| YY17463 | | 0.44 | 0.23 | 1.24 | 132.5 | <0.02 | <10 | 240 | 0.44 | 2.53 | 1.28 | 0.34 | 27.1 | 13.1 | 18 | 1.19 |
| YY17464 | | 0.31 | 0.25 | 1.00 | 60.1 | <0.02 | <10 | 220 | 0.42 | 1.56 | 2.83 | 0.81 | 21.1 | 11.3 | 16 | 1.14 |
| YY17465 | | 0.14 | 0.20 | 0.77 | 48.1 | <0.02 | <10 | 160 | 0.31 | 2.09 | 5.49 | 0.58 | 13.65 | 7.5 | 12 | 0.90 |
| YY17466 | | 0.23 | 0.24 | 1.10 | 35.0 | <0.02 | <10 | 210 | 0.37 | 0.72 | 3.89 | 0.53 | 15.50 | 8.8 | 15 | 1.55 |
| YY17467 | | 0.20 | 0.21 | 0.79 | 24.9 | <0.02 | 10 | 200 | 0.27 | 0.59 | 4.40 | 0.57 | 11.30 | 6.6 | 12 | 1.03 |
| YY17468 | | 0.32 | 0.29 | 1.12 | 88.8 | <0.02 | <10 | 240 | 0.42 | 1.18 | 2.51 | 0.66 | 23.2 | 13.6 | 17 | 1.71 |
| YY17469 | | 0.17 | 0.21 | 1.06 | 114.0 | <0.02 | <10 | 190 | 0.41 | 1.81 | 1.36 | 0.42 | 22.8 | 12.0 | 17 | 1.10 |

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

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**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| YY17430 | | 61.5 | 3.35 | 4.33 | 0.06 | <0.02 | 0.42 | 0.087 | 0.09 | 8.4 | 8.0 | 0.23 | 639 | 56.1 | 0.01 | 0.65 |
| YY17431 | | 55.0 | 3.78 | 3.56 | 0.08 | 0.04 | 0.07 | 0.040 | 0.09 | 19.1 | 11.6 | 0.54 | 348 | 7.24 | 0.01 | 1.23 |
| YY17432 | | 46.4 | 4.57 | 5.61 | 0.08 | 0.02 | 0.06 | 0.040 | 0.06 | 11.5 | 17.5 | 1.05 | 1100 | 5.58 | 0.02 | 1.16 |
| YY17433 | | 57.6 | 3.65 | 3.70 | 0.07 | 0.04 | 0.06 | 0.039 | 0.07 | 18.0 | 11.7 | 0.58 | 376 | 7.26 | 0.01 | 1.04 |
| YY17434 | | 31.7 | 3.64 | 4.40 | 0.05 | <0.02 | 0.02 | 0.037 | 0.07 | 13.6 | 13.3 | 0.42 | 355 | 2.90 | 0.01 | 0.96 |
| YY17435 | | 69.5 | 6.44 | 6.90 | 0.09 | 0.04 | 0.03 | 0.054 | 0.23 | 12.5 | 17.5 | 1.17 | 902 | 1.44 | 0.02 | 2.00 |
| YY17436 | | 32.2 | 5.71 | 7.22 | 0.10 | 0.02 | 0.08 | 0.066 | 0.10 | 23.2 | 16.3 | 0.87 | 757 | 1.52 | 0.01 | 0.95 |
| YY17437 | | 23.5 | 3.84 | 4.90 | 0.06 | 0.02 | 0.02 | 0.021 | 0.10 | 13.0 | 9.7 | 0.38 | 330 | 3.12 | 0.01 | 0.89 |
| YY17438 | | 59.7 | 4.27 | 4.14 | 0.08 | 0.02 | 0.04 | 0.036 | 0.12 | 22.3 | 11.9 | 0.51 | 400 | 2.51 | 0.01 | 1.12 |
| YY17439 | | 77.2 | 4.19 | 3.86 | 0.09 | 0.05 | 0.05 | 0.031 | 0.21 | 23.4 | 11.4 | 0.44 | 658 | 3.92 | 0.01 | 0.46 |
| YY17440 | | 62.4 | 3.97 | 3.57 | 0.07 | 0.05 | 0.05 | 0.029 | 0.16 | 19.7 | 10.3 | 0.64 | 704 | 2.58 | 0.01 | 0.85 |
| YY17441 | | 52.4 | 3.72 | 3.74 | 0.06 | 0.03 | 0.04 | 0.027 | 0.16 | 17.5 | 10.5 | 0.48 | 744 | 2.29 | 0.01 | 0.73 |
| YY17442 | | 42.9 | 3.64 | 3.33 | 0.07 | 0.06 | 0.05 | 0.027 | 0.18 | 16.3 | 9.7 | 0.53 | 924 | 2.09 | 0.01 | 1.03 |
| YY17443 | | 68.9 | 3.81 | 3.45 | 0.08 | 0.13 | 0.04 | 0.036 | 0.26 | 17.9 | 10.3 | 1.81 | 651 | 3.41 | 0.02 | 0.71 |
| YY17444 | | 60.6 | 3.98 | 3.71 | 0.06 | 0.06 | 0.04 | 0.033 | 0.18 | 16.8 | 10.5 | 0.63 | 613 | 2.24 | 0.01 | 0.78 |
| YY17445 | | 68.7 | 4.20 | 3.67 | 0.08 | 0.06 | 0.05 | 0.035 | 0.22 | 20.3 | 10.0 | 0.57 | 610 | 3.67 | 0.01 | 1.04 |
| YY17446 | | 61.2 | 4.28 | 3.96 | 0.09 | 0.03 | 0.04 | 0.036 | 0.19 | 24.3 | 11.7 | 0.59 | 557 | 2.98 | 0.01 | 1.12 |
| YY17447 | | 56.5 | 4.74 | 4.50 | 0.06 | 0.03 | 0.01 | 0.036 | 0.24 | 17.3 | 16.1 | 0.57 | 320 | 2.81 | 0.02 | 1.70 |
| YY17448 | | 72.3 | 4.40 | 4.83 | 0.08 | 0.05 | 0.03 | 0.037 | 0.28 | 19.9 | 15.4 | 0.70 | 553 | 2.30 | 0.02 | 2.29 |
| YY17449 | | | | | | | | | | | | | | | | |
| YY17450 | | 86.1 | 4.18 | 5.27 | 0.09 | 0.06 | 0.03 | 0.033 | 0.31 | 18.7 | 18.4 | 0.79 | 514 | 2.26 | 0.02 | 2.71 |
| YY17451 | | 34.8 | 3.51 | 5.25 | 0.08 | 0.02 | 0.03 | 0.032 | 0.07 | 14.4 | 15.9 | 0.54 | 414 | 2.53 | <0.01 | 1.14 |
| YY17452 | | 41.7 | 3.56 | 4.89 | 0.07 | 0.02 | 0.05 | 0.032 | 0.07 | 13.9 | 20.1 | 0.47 | 259 | 1.99 | <0.01 | 1.23 |
| YY17453 | | 49.6 | 3.59 | 4.36 | 0.08 | 0.02 | 0.04 | 0.034 | 0.08 | 15.8 | 14.9 | 0.48 | 324 | 1.94 | <0.01 | 1.19 |
| YY17454 | | 20.7 | 3.04 | 4.24 | 0.06 | <0.02 | 0.01 | 0.023 | 0.08 | 14.2 | 11.0 | 0.30 | 389 | 1.61 | <0.01 | 0.93 |
| YY17455 | | 48.0 | 3.81 | 3.83 | 0.08 | <0.02 | 0.02 | 0.029 | 0.12 | 18.1 | 9.7 | 0.41 | 268 | 2.34 | <0.01 | 1.59 |
| YY17456 | | 37.3 | 3.46 | 4.17 | 0.08 | <0.02 | 0.02 | 0.029 | 0.14 | 16.7 | 11.3 | 0.55 | 263 | 1.76 | <0.01 | 2.53 |
| YY17457 | | 59.7 | 4.33 | 4.62 | 0.10 | 0.03 | 0.03 | 0.046 | 0.19 | 19.5 | 13.9 | 0.73 | 401 | 2.07 | <0.01 | 2.65 |
| YY17458 | | 72.6 | 4.50 | 3.72 | 0.09 | 0.04 | 0.03 | 0.038 | 0.16 | 17.8 | 12.8 | 0.51 | 444 | 2.62 | <0.01 | 1.90 |
| YY17459 | | 78.1 | 5.21 | 4.46 | 0.09 | 0.04 | 0.03 | 0.042 | 0.28 | 19.9 | 9.8 | 0.63 | 756 | 2.12 | <0.01 | 3.57 |
| YY17460 | | 50.0 | 4.18 | 4.53 | 0.10 | 0.06 | 0.03 | 0.036 | 0.30 | 19.2 | 11.7 | 0.68 | 414 | 1.83 | <0.01 | 4.69 |
| YY17461 | | 73.3 | 4.36 | 4.40 | 0.10 | 0.06 | 0.03 | 0.037 | 0.29 | 18.6 | 12.0 | 0.74 | 555 | 1.68 | <0.01 | 4.12 |
| YY17462 | | 86.2 | 5.16 | 3.10 | 0.09 | 0.08 | 0.04 | 0.026 | 0.28 | 19.3 | 9.6 | 0.55 | 491 | 2.69 | <0.01 | 2.53 |
| YY17463 | | 54.9 | 3.61 | 3.44 | 0.07 | 0.04 | 0.04 | 0.034 | 0.18 | 15.1 | 10.1 | 0.64 | 518 | 1.71 | <0.01 | 2.74 |
| YY17464 | | 55.8 | 2.71 | 2.79 | 0.07 | 0.06 | 0.04 | 0.029 | 0.18 | 11.4 | 9.5 | 1.00 | 654 | 1.07 | <0.01 | 1.76 |
| YY17465 | | 38.1 | 1.99 | 2.22 | 0.06 | 0.04 | 0.04 | 0.023 | 0.14 | 7.2 | 7.0 | 0.85 | 415 | 0.56 | <0.01 | 1.58 |
| YY17466 | | 45.8 | 2.20 | 3.18 | 0.06 | 0.04 | 0.04 | 0.023 | 0.18 | 8.2 | 9.8 | 0.68 | 395 | 0.43 | <0.01 | 2.73 |
| YY17467 | | 41.8 | 1.62 | 2.25 | 0.06 | 0.04 | 0.05 | 0.015 | 0.12 | 6.0 | 6.4 | 0.52 | 673 | 0.47 | <0.01 | 1.76 |
| YY17468 | | 51.0 | 3.12 | 3.33 | 0.07 | 0.04 | 0.05 | 0.029 | 0.16 | 12.4 | 10.5 | 0.96 | 737 | 2.57 | <0.01 | 2.09 |
| YY17469 | | 41.6 | 3.01 | 3.09 | 0.06 | 0.04 | 0.06 | 0.026 | 0.13 | 11.9 | 9.5 | 0.52 | 541 | 2.09 | <0.01 | 1.54 |

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

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**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| YY17430 | | 177.0 | 740 | 71.7 | 6.8 | <0.001 | 0.02 | 4.06 | 1.4 | 5.1 | 0.5 | 6.5 | <0.01 | 0.12 | 1.2 | 0.031 |
| YY17431 | | 54.8 | 1400 | 15.5 | 10.1 | 0.001 | 0.02 | 1.84 | 3.6 | 2.3 | 0.6 | 24.3 | <0.01 | 0.06 | 4.4 | 0.035 |
| YY17432 | | 106.5 | 1430 | 9.1 | 10.0 | 0.007 | 0.08 | 0.80 | 6.3 | 3.9 | 0.5 | 52.7 | <0.01 | 0.05 | 1.2 | 0.047 |
| YY17433 | | 63.2 | 1460 | 15.0 | 9.9 | 0.001 | 0.02 | 1.46 | 3.3 | 1.8 | 0.5 | 33.1 | <0.01 | 0.05 | 3.3 | 0.026 |
| YY17434 | | 28.4 | 750 | 12.2 | 10.4 | <0.001 | 0.03 | 1.09 | 2.1 | 1.1 | 0.6 | 22.0 | <0.01 | 0.06 | 2.1 | 0.028 |
| YY17435 | | 81.4 | 2460 | 8.8 | 28.3 | <0.001 | 0.03 | 1.33 | 8.7 | 0.7 | 0.9 | 30.4 | <0.01 | 0.03 | 3.1 | 0.119 |
| YY17436 | | 148.0 | 1290 | 10.8 | 13.3 | <0.001 | 0.01 | 1.58 | 9.1 | 0.6 | 0.9 | 21.4 | <0.01 | 0.03 | 2.8 | 0.070 |
| YY17437 | | 23.9 | 1360 | 13.0 | 17.5 | <0.001 | 0.01 | 0.95 | 1.8 | 0.7 | 0.6 | 8.5 | <0.01 | 0.05 | 3.6 | 0.033 |
| YY17438 | | 39.8 | 760 | 16.1 | 12.5 | <0.001 | 0.02 | 1.59 | 3.1 | 0.7 | 0.8 | 10.2 | <0.01 | 0.06 | 4.0 | 0.022 |
| YY17439 | | 46.3 | 1330 | 19.8 | 15.9 | <0.001 | 0.01 | 1.79 | 4.2 | 1.1 | 0.7 | 13.2 | <0.01 | 0.08 | 5.3 | 0.017 |
| YY17440 | | 43.3 | 930 | 18.3 | 12.6 | <0.001 | 0.02 | 1.59 | 3.7 | 0.7 | 0.7 | 16.9 | <0.01 | 0.06 | 4.4 | 0.024 |
| YY17441 | | 34.8 | 910 | 18.6 | 13.8 | <0.001 | 0.02 | 1.32 | 3.0 | 0.7 | 0.6 | 15.1 | <0.01 | 0.07 | 2.4 | 0.019 |
| YY17442 | | 30.5 | 1350 | 19.1 | 17.2 | <0.001 | 0.05 | 1.26 | 2.7 | 0.6 | 0.6 | 19.8 | <0.01 | 0.06 | 1.8 | 0.022 |
| YY17443 | | 40.2 | 1490 | 20.4 | 18.1 | <0.001 | 0.01 | 1.88 | 3.3 | 0.7 | 0.6 | 55.6 | <0.01 | 0.05 | 5.7 | 0.027 |
| YY17444 | | 36.3 | 1230 | 19.1 | 13.9 | <0.001 | 0.03 | 1.55 | 3.0 | 1.0 | 0.7 | 20.2 | <0.01 | 0.06 | 2.0 | 0.020 |
| YY17445 | | 44.0 | 1430 | 19.2 | 16.3 | <0.001 | 0.02 | 1.97 | 3.3 | 1.1 | 0.7 | 21.9 | <0.01 | 0.08 | 3.6 | 0.022 |
| YY17446 | | 42.7 | 890 | 17.3 | 14.6 | <0.001 | 0.02 | 1.74 | 3.5 | 0.9 | 0.7 | 12.3 | <0.01 | 0.06 | 3.7 | 0.028 |
| YY17447 | | 35.7 | 1760 | 15.2 | 15.4 | <0.001 | 0.06 | 1.45 | 2.6 | 0.6 | 0.8 | 23.6 | <0.01 | 0.06 | 4.7 | 0.028 |
| YY17448 | | 45.2 | 1070 | 17.2 | 22.9 | <0.001 | 0.02 | 1.54 | 4.3 | 1.0 | 0.9 | 19.8 | <0.01 | 0.06 | 4.2 | 0.046 |
| YY17449 | | | | | | | | | | | | | | | | |
| YY17450 | | 41.8 | 1040 | 15.4 | 27.4 | <0.001 | 0.05 | 1.54 | 4.1 | 1.0 | 1.1 | 25.2 | <0.01 | 0.08 | 3.8 | 0.049 |
| YY17451 | | 31.5 | 780 | 15.2 | 13.5 | <0.001 | 0.01 | 1.24 | 3.3 | 1.2 | 0.6 | 13.7 | <0.01 | 0.06 | 3.8 | 0.043 |
| YY17452 | | 33.4 | 630 | 13.4 | 14.6 | <0.001 | 0.01 | 1.12 | 2.6 | 0.9 | 0.6 | 9.4 | <0.01 | 0.05 | 3.7 | 0.032 |
| YY17453 | | 36.8 | 510 | 11.5 | 10.9 | <0.001 | 0.01 | 1.16 | 2.7 | 0.7 | 0.7 | 11.0 | <0.01 | 0.04 | 3.8 | 0.032 |
| YY17454 | | 19.1 | 700 | 8.8 | 11.8 | <0.001 | 0.01 | 0.70 | 1.4 | 0.4 | 0.6 | 9.0 | <0.01 | 0.05 | 1.2 | 0.026 |
| YY17455 | | 30.1 | 640 | 8.8 | 17.3 | <0.001 | 0.02 | 1.36 | 2.3 | 0.8 | 0.9 | 10.7 | <0.01 | 0.07 | 3.3 | 0.026 |
| YY17456 | | 27.9 | 1060 | 7.7 | 19.0 | <0.001 | 0.01 | 1.11 | 2.4 | 0.6 | 0.9 | 14.9 | <0.01 | 0.04 | 2.4 | 0.042 |
| YY17457 | | 38.9 | 1050 | 9.8 | 20.3 | <0.001 | 0.02 | 1.45 | 4.2 | 0.9 | 1.1 | 17.6 | <0.01 | 0.06 | 5.1 | 0.054 |
| YY17458 | | 41.8 | 970 | 11.5 | 14.5 | <0.001 | 0.02 | 1.76 | 3.1 | 0.9 | 1.0 | 14.6 | <0.01 | 0.08 | 4.8 | 0.038 |
| YY17459 | | 36.9 | 1390 | 13.5 | 27.4 | <0.001 | 0.03 | 2.12 | 4.0 | 0.8 | 1.5 | 27.8 | <0.01 | 0.14 | 5.2 | 0.053 |
| YY17460 | | 35.0 | 1100 | 9.9 | 27.8 | <0.001 | 0.03 | 1.46 | 3.6 | 0.6 | 1.3 | 19.7 | <0.01 | 0.06 | 5.3 | 0.060 |
| YY17461 | | 53.0 | 1090 | 9.0 | 28.2 | <0.001 | 0.03 | 1.44 | 3.6 | 0.8 | 1.2 | 26.6 | <0.01 | 0.07 | 3.8 | 0.055 |
| YY17462 | | 69.2 | 1240 | 13.6 | 26.5 | 0.001 | 0.08 | 1.92 | 2.5 | 1.6 | 1.6 | 38.9 | <0.01 | 0.10 | 5.5 | 0.041 |
| YY17463 | | 34.9 | 1240 | 9.8 | 18.8 | 0.001 | 0.06 | 1.34 | 2.3 | 0.9 | 0.8 | 29.8 | <0.01 | 0.07 | 1.9 | 0.032 |
| YY17464 | | 34.9 | 1050 | 14.4 | 16.1 | 0.002 | 0.09 | 1.00 | 2.3 | 1.1 | 0.5 | 49.6 | <0.01 | 0.05 | 1.8 | 0.022 |
| YY17465 | | 23.2 | 910 | 10.2 | 12.8 | 0.002 | 0.11 | 0.79 | 1.5 | 1.1 | 0.4 | 60.8 | <0.01 | 0.03 | 0.8 | 0.018 |
| YY17466 | | 25.0 | 1040 | 10.5 | 19.7 | 0.001 | 0.14 | 0.74 | 1.8 | 1.3 | 0.6 | 54.1 | <0.01 | 0.03 | 1.0 | 0.031 |
| YY17467 | | 24.1 | 940 | 7.8 | 13.1 | 0.002 | 0.17 | 0.70 | 1.2 | 1.6 | 0.4 | 65.5 | <0.01 | 0.03 | 0.5 | 0.021 |
| YY17468 | | 36.8 | 1260 | 16.0 | 16.0 | 0.001 | 0.07 | 1.52 | 2.4 | 1.3 | 0.6 | 41.8 | <0.01 | 0.06 | 1.9 | 0.031 |
| YY17469 | | 31.3 | 1110 | 12.3 | 14.2 | 0.001 | 0.06 | 1.21 | 2.1 | 0.8 | 0.6 | 31.1 | <0.01 | 0.05 | 1.9 | 0.026 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| YY17430 | | 0.26 | 5.19 | 279 | 0.41 | 5.85 | 961 | 0.9 | 0.009 |
| YY17431 | | 0.19 | 1.66 | 43 | 0.16 | 10.40 | 239 | 2.0 | 0.043 |
| YY17432 | | 0.18 | 4.10 | 78 | 0.10 | 8.61 | 643 | 0.8 | 0.005 |
| YY17433 | | 0.19 | 1.49 | 44 | 0.16 | 9.79 | 222 | 1.9 | 0.020 |
| YY17434 | | 0.15 | 0.77 | 48 | 0.22 | 3.14 | 74 | <0.5 | 0.010 |
| YY17435 | | 0.47 | 0.83 | 94 | 0.10 | 12.70 | 72 | 1.8 | 0.007 |
| YY17436 | | 0.36 | 0.80 | 107 | 0.14 | 11.45 | 72 | 0.6 | 0.004 |
| YY17437 | | 0.14 | 0.67 | 59 | 0.17 | 3.05 | 76 | 1.4 | 0.004 |
| YY17438 | | 0.18 | 0.87 | 43 | 0.15 | 6.13 | 75 | 0.6 | 0.027 |
| YY17439 | | 0.16 | 1.50 | 44 | 0.16 | 10.35 | 88 | 2.7 | 0.025 |
| YY17440 | | 0.15 | 0.86 | 38 | 0.14 | 9.57 | 83 | 2.3 | 0.030 |
| YY17441 | | 0.13 | 1.12 | 39 | 0.13 | 7.97 | 83 | 1.3 | 0.024 |
| YY17442 | | 0.12 | 1.44 | 33 | 0.12 | 10.25 | 89 | 2.4 | 0.066 |
| YY17443 | | 0.20 | 1.22 | 36 | 0.14 | 9.54 | 122 | 9.4 | 0.032 |
| YY17444 | | 0.11 | 1.24 | 39 | 0.12 | 10.30 | 97 | 2.1 | 0.125 |
| YY17445 | | 0.14 | 1.51 | 37 | 0.15 | 10.60 | 107 | 2.5 | 0.034 |
| YY17446 | | 0.17 | 1.24 | 40 | 0.15 | 11.90 | 90 | 1.6 | 0.037 |
| YY17447 | | 0.17 | 1.01 | 49 | 0.16 | 3.68 | 82 | 1.6 | 0.026 |
| YY17448 | | 0.22 | 1.16 | 55 | 0.17 | 10.50 | 88 | 2.3 | 0.024 |
| YY17449 | | | | | | | | | |
| YY17450 | | 0.23 | 1.82 | 54 | 0.20 | 11.80 | 82 | 2.9 | 0.022 |
| YY17451 | | 0.14 | 1.19 | 54 | 0.29 | 4.47 | 85 | 0.8 | 0.173 |
| YY17452 | | 0.14 | 0.80 | 47 | 0.22 | 3.34 | 67 | 0.8 | 0.015 |
| YY17453 | | 0.16 | 0.86 | 45 | 0.24 | 4.90 | 67 | 0.9 | 0.030 |
| YY17454 | | 0.11 | 0.47 | 41 | 0.20 | 2.39 | 58 | <0.5 | 0.054 |
| YY17455 | | 0.17 | 0.78 | 38 | 0.20 | 5.14 | 62 | 0.7 | 0.021 |
| YY17456 | | 0.16 | 0.67 | 38 | 0.23 | 4.36 | 54 | <0.5 | 0.041 |
| YY17457 | | 0.21 | 1.05 | 44 | 0.18 | 9.45 | 75 | 1.7 | 0.025 |
| YY17458 | | 0.16 | 0.92 | 38 | 0.20 | 6.06 | 79 | 1.8 | 0.019 |
| YY17459 | | 0.19 | 1.07 | 37 | 0.20 | 9.65 | 60 | 1.8 | 0.151 |
| YY17460 | | 0.21 | 0.85 | 41 | 0.24 | 7.04 | 61 | 2.8 | 0.022 |
| YY17461 | | 0.23 | 1.42 | 40 | 0.22 | 9.85 | 55 | 3.0 | 0.018 |
| YY17462 | | 0.28 | 1.36 | 27 | 0.30 | 10.30 | 54 | 4.7 | 0.047 |
| YY17463 | | 0.16 | 1.10 | 33 | 0.18 | 8.24 | 72 | 1.5 | 0.041 |
| YY17464 | | 0.16 | 0.93 | 27 | 0.10 | 7.89 | 85 | 2.9 | 0.020 |
| YY17465 | | 0.13 | 0.60 | 22 | 0.12 | 4.71 | 65 | 1.9 | 0.091 |
| YY17466 | | 0.17 | 0.88 | 29 | 0.08 | 5.48 | 73 | 2.1 | 0.017 |
| YY17467 | | 0.14 | 1.28 | 21 | 0.06 | 4.44 | 61 | 1.7 | 0.008 |
| YY17468 | | 0.23 | 1.16 | 35 | 0.12 | 8.12 | 96 | 1.8 | 0.015 |
| YY17469 | | 0.13 | 0.83 | 32 | 0.14 | 6.33 | 80 | 1.7 | 0.027 |

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

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**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| YY17470 | | 0.13 | 0.20 | 0.72 | 64.7 | <0.02 | <10 | 170 | 0.29 | 1.53 | 2.45 | 0.51 | 12.40 | 6.8 | 12 | 0.71 |
| YY17471 | | 0.17 | 0.23 | 0.84 | 89.0 | <0.02 | <10 | 190 | 0.34 | 1.41 | 2.43 | 0.47 | 18.95 | 10.7 | 14 | 0.71 |
| YY17472 | | 0.20 | 0.20 | 0.74 | 85.4 | <0.02 | <10 | 200 | 0.34 | 1.02 | 3.09 | 0.65 | 13.90 | 10.2 | 13 | 0.66 |
| YY17473 | | 0.23 | 0.25 | 0.98 | 64.6 | <0.02 | <10 | 200 | 0.42 | 1.95 | 1.74 | 0.66 | 23.7 | 10.2 | 16 | 0.95 |
| YY17474 | | 0.34 | 0.28 | 0.95 | 82.0 | <0.02 | <10 | 270 | 0.41 | 1.33 | 3.12 | 1.00 | 18.65 | 10.3 | 19 | 0.91 |
| YY17475 | | 0.39 | 0.29 | 0.98 | 60.9 | <0.02 | <10 | 280 | 0.50 | 1.03 | 6.52 | 0.96 | 19.65 | 11.0 | 18 | 1.16 |
| YY17476 | | 0.43 | 0.33 | 1.01 | 79.8 | <0.02 | <10 | 190 | 0.47 | 1.38 | 4.06 | 1.28 | 25.6 | 12.0 | 18 | 0.94 |
| YY17477 | | 0.28 | 0.33 | 1.10 | 91.8 | <0.02 | <10 | 250 | 0.51 | 1.08 | 4.38 | 0.92 | 26.3 | 11.5 | 19 | 1.00 |
| YY17478 | | 0.39 | 0.45 | 1.28 | 35.4 | <0.02 | <10 | 380 | 0.55 | 0.50 | 0.77 | 1.04 | 24.2 | 12.5 | 26 | 0.89 |
| YY17479 | | 0.47 | 0.84 | 1.45 | 58.4 | <0.02 | <10 | 320 | 0.57 | 0.51 | 1.03 | 2.06 | 30.8 | 32.9 | 29 | 0.24 |
| YY17480 | | 0.39 | 0.28 | 1.85 | 17.1 | <0.02 | <10 | 1820 | 0.55 | 0.24 | 0.13 | 0.41 | 20.6 | 10.3 | 35 | 0.90 |
| YY17481 | | 0.36 | 0.12 | 1.60 | 6.5 | <0.02 | <10 | 520 | 0.34 | 0.21 | 0.50 | 0.46 | 18.00 | 8.1 | 27 | 0.66 |
| YY17482 | | 0.42 | 0.61 | 1.67 | 18.3 | <0.02 | <10 | 390 | 0.56 | 0.23 | 0.24 | 0.37 | 24.0 | 17.6 | 24 | 0.72 |
| YY17483 | | 0.43 | 0.59 | 1.51 | 14.2 | <0.02 | <10 | 460 | 0.67 | 0.25 | 0.62 | 1.05 | 24.9 | 17.9 | 25 | 1.05 |
| YY17484 | | 0.50 | 0.07 | 2.72 | 22.9 | <0.02 | <10 | 160 | 0.66 | 0.21 | 0.20 | 0.24 | 32.9 | 20.5 | 105 | 1.78 |
| YY17485 | | 0.30 | 0.85 | 2.79 | 13.4 | <0.02 | <10 | 140 | 0.65 | 0.24 | 0.04 | 0.33 | 23.7 | 16.8 | 30 | 1.03 |
| YY17487 | | 0.41 | 0.22 | 1.62 | 95.9 | <0.02 | <10 | 280 | 0.63 | 1.26 | 0.81 | 0.36 | 31.1 | 14.6 | 23 | 2.05 |
| YY17488 | | 0.40 | 0.28 | 1.35 | 87.0 | <0.02 | <10 | 270 | 0.66 | 1.35 | 1.22 | 0.37 | 28.4 | 12.8 | 19 | 1.52 |
| YY17489 | | 0.36 | 0.26 | 1.28 | 93.4 | <0.02 | <10 | 240 | 0.63 | 1.57 | 1.35 | 0.41 | 27.4 | 14.9 | 18 | 1.38 |
| YY17490 | | 0.46 | 0.28 | 1.39 | 104.0 | 0.03 | <10 | 240 | 0.74 | 1.75 | 1.13 | 0.48 | 34.0 | 16.9 | 19 | 1.55 |
| YY17491 | | 0.28 | 0.29 | 1.29 | 89.9 | 0.02 | <10 | 240 | 0.61 | 1.59 | 1.27 | 0.33 | 27.0 | 13.6 | 18 | 1.54 |
| YY17492 | | 0.26 | 0.31 | 1.22 | 67.0 | 0.03 | <10 | 260 | 0.53 | 1.23 | 1.41 | 0.41 | 27.1 | 13.2 | 20 | 1.03 |
| YY17493 | | 0.19 | 0.23 | 1.11 | 66.7 | <0.02 | <10 | 230 | 0.49 | 1.07 | 1.62 | 0.32 | 22.0 | 11.1 | 18 | 0.96 |
| YY17494 | | 0.29 | 0.27 | 1.37 | 79.2 | <0.02 | <10 | 290 | 0.58 | 1.38 | 1.17 | 0.57 | 29.0 | 14.1 | 21 | 1.41 |
| YY17495 | | 0.43 | 0.05 | 1.48 | 95.2 | <0.02 | <10 | 140 | 0.56 | 1.18 | 0.27 | 0.20 | 20.7 | 12.8 | 27 | 1.34 |
| YY17496 | | 0.13 | 0.22 | 0.69 | 15.8 | <0.02 | <10 | 150 | 0.37 | 0.46 | 2.25 | 0.36 | 12.10 | 8.0 | 13 | 0.61 |
| YY17497 | | 0.40 | 0.24 | 1.42 | 31.0 | <0.02 | 10 | 270 | 0.87 | 0.41 | 5.75 | 0.76 | 24.3 | 16.1 | 24 | 1.78 |
| YY17498 | | 0.36 | 0.21 | 1.07 | 20.2 | <0.02 | 10 | 150 | 0.64 | 0.35 | 8.48 | 0.71 | 13.45 | 11.1 | 19 | 1.15 |
| YY17499 | | 0.34 | 0.24 | 1.39 | 37.5 | <0.02 | <10 | 260 | 0.73 | 0.71 | 4.58 | 0.96 | 22.5 | 15.2 | 24 | 1.21 |
| YY17500 | | 0.22 | 0.44 | 1.01 | 10.9 | <0.02 | <10 | 120 | 0.23 | 0.28 | 0.72 | 0.26 | 14.45 | 5.6 | 16 | 0.62 |
| YY19450 | | 0.40 | 0.46 | 1.61 | 12.6 | <0.02 | <10 | 250 | 0.66 | 0.27 | 0.08 | 0.54 | 29.7 | 16.2 | 22 | 0.75 |
| YY19451 | | 0.34 | 0.24 | 2.62 | 2.6 | <0.02 | <10 | 140 | 0.44 | 0.21 | 0.06 | 0.41 | 20.1 | 12.4 | 31 | 2.94 |
| YY19452 | | 0.46 | 0.30 | 3.24 | 14.8 | <0.02 | <10 | 230 | 0.58 | 0.30 | 0.27 | 0.12 | 24.8 | 15.4 | 32 | 10.90 |
| YY19453 | | 0.19 | 0.32 | 1.02 | 8.8 | <0.02 | <10 | 120 | 0.23 | 0.16 | 1.33 | 0.40 | 16.25 | 8.1 | 15 | 1.30 |
| YY19454 | | 0.29 | 0.32 | 1.17 | 10.5 | <0.02 | <10 | 260 | 0.54 | 0.24 | 1.17 | 0.94 | 22.3 | 13.0 | 23 | 0.83 |
| YY19455 | | 0.41 | 0.27 | 1.35 | 14.9 | <0.02 | <10 | 330 | 0.70 | 0.26 | 0.96 | 0.48 | 22.8 | 12.2 | 26 | 0.79 |
| YY19456 | | 0.23 | 0.18 | 1.40 | 11.8 | <0.02 | <10 | 390 | 0.76 | 0.21 | 1.36 | 0.20 | 19.15 | 10.5 | 23 | 0.70 |
| YY19457 | | 0.31 | 0.25 | 1.65 | 14.3 | <0.02 | <10 | 330 | 0.91 | 0.26 | 1.07 | 0.29 | 19.95 | 13.5 | 26 | 0.93 |
| YY19458 | | 0.26 | 0.25 | 1.40 | 12.0 | <0.02 | <10 | 290 | 0.78 | 0.23 | 1.66 | 0.49 | 16.65 | 11.2 | 23 | 0.67 |
| YY19460 | | 0.22 | 0.28 | 1.24 | 10.2 | <0.02 | <10 | 190 | 0.58 | 0.21 | 1.84 | 1.85 | 14.75 | 6.4 | 19 | 1.06 |

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

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**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| YY17470 | | 35.6 | 1.84 | 2.05 | 0.05 | 0.05 | 0.05 | 0.018 | 0.08 | 6.8 | 6.7 | 0.42 | 428 | 1.27 | <0.01 | 1.04 |
| YY17471 | | 40.2 | 2.35 | 2.43 | 0.05 | 0.05 | 0.05 | 0.021 | 0.08 | 9.8 | 7.6 | 0.40 | 947 | 1.50 | <0.01 | 1.20 |
| YY17472 | | 37.8 | 2.30 | 2.09 | 0.05 | 0.04 | 0.06 | 0.021 | 0.08 | 7.4 | 6.8 | 0.39 | 1320 | 1.83 | <0.01 | 0.80 |
| YY17473 | | 48.5 | 2.44 | 2.86 | 0.06 | 0.04 | 0.06 | 0.028 | 0.10 | 12.3 | 8.9 | 0.48 | 561 | 1.26 | <0.01 | 1.43 |
| YY17474 | | 52.5 | 2.90 | 2.76 | 0.06 | 0.04 | 0.06 | 0.028 | 0.10 | 10.2 | 8.7 | 1.09 | 918 | 2.01 | <0.01 | 1.25 |
| YY17475 | | 45.4 | 2.83 | 2.82 | 0.05 | 0.05 | 0.08 | 0.027 | 0.13 | 10.4 | 13.6 | 1.77 | 510 | 2.51 | <0.01 | 0.55 |
| YY17476 | | 50.6 | 3.24 | 2.91 | 0.06 | 0.06 | 0.07 | 0.037 | 0.13 | 13.7 | 10.9 | 1.38 | 612 | 2.83 | <0.01 | 0.79 |
| YY17477 | | 59.8 | 3.92 | 3.15 | 0.06 | 0.09 | 0.07 | 0.037 | 0.13 | 13.9 | 13.4 | 1.13 | 439 | 2.54 | <0.01 | 0.92 |
| YY17478 | | 73.4 | 3.35 | 3.60 | 0.07 | 0.09 | 0.13 | 0.032 | 0.11 | 12.6 | 18.1 | 0.53 | 525 | 3.35 | <0.01 | 0.39 |
| YY17479 | | 160.5 | 7.98 | 3.78 | 0.08 | 0.18 | 0.05 | 0.025 | 0.05 | 16.7 | 7.7 | 1.13 | 776 | 19.85 | <0.01 | 0.12 |
| YY17480 | | 29.9 | 4.54 | 5.27 | 0.06 | 0.06 | 0.02 | 0.037 | 0.04 | 10.2 | 19.2 | 0.42 | 598 | 2.99 | <0.01 | 0.80 |
| YY17481 | | 22.4 | 2.81 | 5.14 | <0.05 | 0.03 | 0.02 | 0.036 | 0.03 | 9.1 | 12.0 | 0.42 | 503 | 1.12 | <0.01 | 0.95 |
| YY17482 | | 83.5 | 2.69 | 4.12 | 0.06 | 0.02 | 0.06 | 0.021 | 0.05 | 13.0 | 16.8 | 0.36 | 580 | 2.37 | <0.01 | 0.47 |
| YY17483 | | 51.5 | 3.48 | 4.27 | 0.07 | 0.05 | 0.11 | 0.028 | 0.10 | 12.2 | 20.0 | 0.54 | 816 | 2.74 | <0.01 | 0.42 |
| YY17484 | | 52.0 | 5.46 | 7.56 | 0.09 | 0.03 | 0.02 | 0.035 | 0.07 | 16.7 | 37.7 | 1.44 | 427 | 2.14 | <0.01 | 0.56 |
| YY17485 | | 41.9 | 3.58 | 6.24 | 0.05 | 0.06 | 0.03 | 0.038 | 0.03 | 12.2 | 23.6 | 0.26 | 234 | 2.40 | <0.01 | 1.24 |
| YY17487 | | 63.1 | 3.80 | 4.63 | 0.09 | 0.06 | 0.03 | 0.032 | 0.30 | 16.0 | 15.7 | 0.76 | 548 | 2.49 | <0.01 | 2.50 |
| YY17488 | | 69.5 | 3.54 | 3.78 | 0.08 | 0.06 | 0.03 | 0.030 | 0.22 | 16.4 | 13.0 | 0.65 | 474 | 2.41 | 0.01 | 2.27 |
| YY17489 | | 68.0 | 3.73 | 3.44 | 0.07 | 0.07 | 0.04 | 0.030 | 0.23 | 15.6 | 11.0 | 0.78 | 592 | 2.61 | 0.01 | 1.79 |
| YY17490 | | 73.4 | 4.10 | 3.95 | 0.08 | 0.07 | 0.04 | 0.037 | 0.27 | 18.8 | 12.2 | 0.82 | 674 | 3.05 | 0.01 | 1.78 |
| YY17491 | | 60.4 | 3.61 | 3.62 | 0.07 | 0.07 | 0.03 | 0.031 | 0.24 | 14.9 | 11.0 | 0.65 | 491 | 2.62 | 0.01 | 2.08 |
| YY17492 | | 59.0 | 3.18 | 3.69 | 0.07 | 0.06 | 0.04 | 0.032 | 0.20 | 15.0 | 11.8 | 0.64 | 402 | 2.08 | 0.01 | 1.56 |
| YY17493 | | 48.8 | 3.04 | 3.25 | 0.06 | 0.05 | 0.04 | 0.028 | 0.14 | 12.6 | 10.0 | 0.63 | 455 | 2.56 | 0.01 | 1.62 |
| YY17494 | | 67.4 | 3.75 | 3.91 | 0.07 | 0.06 | 0.04 | 0.030 | 0.22 | 15.9 | 12.3 | 0.58 | 618 | 2.72 | 0.01 | 1.88 |
| YY17495 | | 35.6 | 4.27 | 5.37 | 0.07 | 0.04 | 0.02 | 0.033 | 0.11 | 11.7 | 18.6 | 0.57 | 242 | 3.05 | 0.01 | 3.20 |
| YY17496 | | 34.0 | 1.94 | 1.91 | <0.05 | 0.04 | 0.06 | 0.017 | 0.06 | 7.4 | 7.1 | 0.44 | 494 | 0.98 | 0.01 | 0.75 |
| YY17497 | | 53.8 | 3.75 | 4.17 | 0.07 | 0.11 | 0.11 | 0.030 | 0.16 | 12.6 | 24.3 | 1.88 | 664 | 1.95 | 0.01 | 0.32 |
| YY17498 | | 36.7 | 2.67 | 3.09 | <0.05 | 0.09 | 0.10 | 0.025 | 0.13 | 7.0 | 17.3 | 1.22 | 546 | 0.77 | 0.01 | 0.47 |
| YY17499 | | 58.0 | 3.75 | 4.04 | 0.06 | 0.11 | 0.10 | 0.031 | 0.14 | 11.5 | 21.2 | 1.26 | 619 | 2.11 | 0.01 | 0.59 |
| YY17500 | | 39.3 | 2.56 | 4.56 | <0.05 | <0.02 | 0.03 | 0.016 | 0.05 | 8.8 | 8.9 | 0.30 | 757 | 2.22 | 0.01 | 0.82 |
| YY19450 | | 83.9 | 4.19 | 3.90 | 0.08 | 0.02 | 0.12 | 0.026 | 0.05 | 16.1 | 16.3 | 0.56 | 698 | 9.35 | 0.01 | 0.36 |
| YY19451 | | 100.5 | 5.11 | 6.57 | 0.09 | 0.05 | 0.02 | 0.017 | 0.19 | 10.6 | 33.3 | 1.80 | 422 | 1.51 | 0.01 | 0.16 |
| YY19452 | | 126.0 | 5.34 | 8.28 | 0.12 | 0.02 | 0.02 | 0.025 | 0.45 | 15.0 | 58.8 | 2.54 | 218 | 1.32 | 0.01 | 0.69 |
| YY19453 | | 56.1 | 2.15 | 2.71 | 0.08 | 0.05 | 0.05 | 0.015 | 0.05 | 9.1 | 15.4 | 0.82 | 235 | 3.09 | 0.01 | 0.42 |
| YY19454 | | 59.0 | 2.45 | 3.30 | 0.07 | 0.08 | 0.13 | 0.027 | 0.08 | 11.7 | 18.3 | 0.56 | 235 | 1.45 | 0.01 | 0.48 |
| YY19455 | | 50.7 | 3.41 | 3.74 | 0.07 | 0.09 | 0.13 | 0.029 | 0.10 | 12.4 | 21.5 | 0.64 | 470 | 1.59 | 0.01 | 0.45 |
| YY19456 | | 43.5 | 2.89 | 3.78 | 0.05 | 0.05 | 0.08 | 0.024 | 0.09 | 10.4 | 17.9 | 0.53 | 398 | 1.04 | 0.01 | 0.54 |
| YY19457 | | 57.5 | 3.53 | 4.54 | 0.06 | 0.10 | 0.09 | 0.031 | 0.12 | 10.7 | 23.5 | 0.68 | 531 | 1.19 | 0.01 | 0.49 |
| YY19458 | | 47.5 | 3.02 | 3.66 | 0.06 | 0.07 | 0.10 | 0.026 | 0.10 | 9.0 | 18.5 | 0.65 | 471 | 0.98 | 0.01 | 0.43 |
| YY19460 | | 14.0 | 2.61 | 3.89 | 0.05 | 0.02 | 0.14 | 0.027 | 0.04 | 8.3 | 8.0 | 0.51 | 1300 | 0.65 | 0.01 | 0.69 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| YY17470 | | 23.9 | 910 | 7.0 | 9.8 | <0.001 | 0.10 | 0.98 | 1.5 | 0.9 | 0.4 | 39.4 | <0.01 | 0.04 | 0.9 | 0.017 |
| YY17471 | | 28.7 | 930 | 11.2 | 8.3 | 0.002 | 0.09 | 0.97 | 1.6 | 1.2 | 0.4 | 41.8 | <0.01 | 0.05 | 1.0 | 0.018 |
| YY17472 | | 28.4 | 830 | 9.9 | 7.5 | 0.001 | 0.10 | 1.02 | 1.4 | 1.1 | 0.4 | 42.5 | <0.01 | 0.05 | 0.8 | 0.013 |
| YY17473 | | 34.5 | 1120 | 13.5 | 10.8 | 0.002 | 0.08 | 1.15 | 2.0 | 1.2 | 0.5 | 34.6 | <0.01 | 0.05 | 1.5 | 0.021 |
| YY17474 | | 40.1 | 1140 | 13.5 | 10.5 | 0.002 | 0.09 | 1.43 | 2.2 | 2.1 | 0.6 | 52.0 | <0.01 | 0.04 | 1.1 | 0.023 |
| YY17475 | | 36.2 | 960 | 17.5 | 9.6 | 0.002 | 0.04 | 1.49 | 2.8 | 1.4 | 0.4 | 97.3 | <0.01 | 0.06 | 2.4 | 0.012 |
| YY17476 | | 39.3 | 1140 | 18.7 | 10.2 | 0.001 | 0.04 | 1.40 | 2.8 | 1.2 | 0.4 | 57.8 | <0.01 | 0.06 | 3.0 | 0.016 |
| YY17477 | | 39.9 | 1010 | 18.2 | 10.3 | 0.001 | 0.05 | 1.44 | 3.1 | 1.9 | 0.5 | 60.4 | <0.01 | 0.06 | 3.6 | 0.017 |
| YY17478 | | 60.1 | 970 | 18.8 | 8.3 | 0.002 | 0.02 | 2.11 | 3.8 | 2.3 | 0.3 | 36.0 | <0.01 | 0.07 | 3.3 | 0.011 |
| YY17479 | | 145.0 | 2010 | 35.1 | 3.9 | <0.001 | 0.05 | 7.89 | 4.5 | 2.3 | 0.2 | 39.3 | <0.01 | 0.15 | 4.5 | <0.005 |
| YY17480 | | 29.5 | 430 | 12.8 | 9.2 | <0.001 | 0.02 | 1.29 | 2.8 | 0.5 | 0.5 | 11.5 | <0.01 | 0.07 | 3.0 | 0.017 |
| YY17481 | | 23.3 | 230 | 9.5 | 6.0 | <0.001 | 0.01 | 1.24 | 2.7 | 0.4 | 0.5 | 18.3 | <0.01 | 0.04 | 2.2 | 0.021 |
| YY17482 | | 129.5 | 330 | 8.1 | 9.1 | <0.001 | 0.01 | 1.29 | 2.7 | 0.8 | 0.4 | 28.6 | <0.01 | 0.05 | 2.8 | 0.011 |
| YY17483 | | 45.4 | 940 | 18.6 | 12.0 | 0.001 | 0.02 | 1.17 | 3.8 | 1.5 | 0.3 | 43.1 | <0.01 | 0.06 | 2.7 | 0.013 |
| YY17484 | | 57.8 | 1130 | 14.4 | 14.2 | <0.001 | 0.01 | 1.29 | 5.0 | 0.6 | 0.3 | 19.8 | <0.01 | 0.05 | 3.7 | 0.046 |
| YY17485 | | 90.7 | 380 | 13.4 | 8.6 | <0.001 | 0.01 | 1.07 | 3.1 | 0.6 | 0.7 | 6.6 | 0.01 | 0.05 | 3.4 | 0.023 |
| YY17487 | | 37.5 | 1140 | 14.5 | 27.3 | <0.001 | 0.05 | 1.41 | 3.3 | 0.8 | 0.9 | 24.1 | <0.01 | 0.07 | 3.1 | 0.044 |
| YY17488 | | 41.2 | 1160 | 15.9 | 20.1 | 0.001 | 0.05 | 1.61 | 3.0 | 1.2 | 0.8 | 29.9 | <0.01 | 0.07 | 2.7 | 0.034 |
| YY17489 | | 44.4 | 1250 | 16.2 | 18.9 | 0.001 | 0.05 | 1.62 | 2.9 | 0.9 | 0.7 | 27.7 | <0.01 | 0.06 | 3.0 | 0.030 |
| YY17490 | | 49.8 | 1310 | 18.3 | 20.7 | 0.001 | 0.04 | 1.79 | 3.5 | 0.8 | 0.8 | 26.5 | <0.01 | 0.07 | 3.8 | 0.032 |
| YY17491 | | 39.8 | 1250 | 15.1 | 19.8 | 0.001 | 0.06 | 1.61 | 3.0 | 0.9 | 0.8 | 30.9 | <0.01 | 0.07 | 3.2 | 0.033 |
| YY17492 | | 37.7 | 1150 | 14.9 | 16.6 | 0.002 | 0.07 | 1.42 | 2.7 | 1.2 | 0.7 | 34.2 | 0.01 | 0.07 | 2.1 | 0.029 |
| YY17493 | | 30.3 | 1080 | 12.5 | 11.4 | 0.001 | 0.08 | 1.21 | 2.2 | 1.0 | 0.6 | 36.9 | <0.01 | 0.05 | 1.5 | 0.026 |
| YY17494 | | 41.1 | 1220 | 15.2 | 18.4 | <0.001 | 0.06 | 1.53 | 2.8 | 0.8 | 0.8 | 32.3 | <0.01 | 0.06 | 2.7 | 0.034 |
| YY17495 | | 34.6 | 650 | 15.3 | 20.3 | <0.001 | 0.02 | 1.69 | 2.8 | 0.7 | 1.1 | 12.4 | <0.01 | 0.06 | 3.1 | 0.057 |
| YY17496 | | 29.8 | 810 | 5.5 | 9.4 | 0.001 | 0.09 | 0.75 | 1.5 | 1.0 | 0.3 | 43.1 | <0.01 | 0.04 | 0.9 | 0.016 |
| YY17497 | | 46.6 | 700 | 24.8 | 9.8 | 0.001 | 0.02 | 1.25 | 5.1 | 0.7 | 0.4 | 110.5 | <0.01 | 0.06 | 4.6 | 0.009 |
| YY17498 | | 34.1 | 620 | 15.3 | 9.7 | 0.004 | 0.27 | 0.69 | 3.3 | 1.3 | 0.3 | 115.0 | <0.01 | 0.04 | 2.5 | 0.008 |
| YY17499 | | 48.5 | 760 | 22.3 | 10.5 | 0.002 | 0.14 | 1.14 | 4.5 | 1.6 | 0.4 | 71.4 | <0.01 | 0.05 | 4.0 | 0.011 |
| YY17500 | | 38.4 | 510 | 7.6 | 8.1 | 0.001 | 0.05 | 0.76 | 1.4 | 0.7 | 0.5 | 59.8 | <0.01 | 0.05 | 0.9 | 0.022 |
| YY19450 | | 90.9 | 330 | 19.2 | 8.6 | <0.001 | 0.01 | 1.66 | 3.9 | 0.8 | 0.3 | 9.9 | <0.01 | 0.09 | 2.7 | 0.014 |
| YY19451 | | 50.2 | 220 | 10.2 | 31.5 | <0.001 | 0.02 | 1.28 | 3.0 | 1.2 | 0.3 | 7.7 | <0.01 | 0.07 | 3.4 | 0.059 |
| YY19452 | | 45.8 | 1080 | 19.0 | 60.9 | <0.001 | 0.05 | 1.05 | 3.9 | 0.7 | 0.3 | 44.2 | <0.01 | 0.11 | 3.4 | 0.142 |
| YY19453 | | 24.3 | 1340 | 8.5 | 11.6 | 0.003 | 0.07 | 0.82 | 1.7 | 2.2 | 0.2 | 129.0 | <0.01 | 0.07 | 2.0 | 0.027 |
| YY19454 | | 42.8 | 760 | 21.2 | 6.7 | 0.007 | 0.11 | 1.35 | 3.5 | 1.9 | 0.2 | 85.7 | <0.01 | 0.05 | 3.2 | 0.012 |
| YY19455 | | 43.8 | 650 | 20.1 | 6.8 | 0.001 | 0.02 | 1.37 | 3.9 | 0.7 | 0.3 | 40.0 | <0.01 | 0.06 | 3.4 | 0.012 |
| YY19456 | | 33.3 | 480 | 16.4 | 9.5 | 0.001 | 0.05 | 0.97 | 3.4 | 1.0 | 0.3 | 80.8 | <0.01 | 0.04 | 2.3 | 0.008 |
| YY19457 | | 41.3 | 540 | 19.7 | 9.7 | <0.001 | 0.04 | 1.12 | 4.2 | 0.8 | 0.4 | 62.9 | <0.01 | 0.05 | 3.2 | 0.007 |
| YY19458 | | 33.9 | 600 | 17.7 | 7.4 | 0.002 | 0.07 | 1.04 | 3.3 | 1.0 | 0.3 | 87.6 | <0.01 | 0.05 | 1.9 | 0.007 |
| YY19460 | | 13.8 | 940 | 60.8 | 6.1 | <0.001 | 0.11 | 4.69 | 1.7 | 0.7 | 0.4 | 14.9 | <0.01 | 0.04 | 0.4 | 0.025 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| YY17470 | | 0.10 | 0.85 | 20 | 0.09 | 4.27 | 85 | 2.2 | 0.012 |
| YY17471 | | 0.09 | 1.34 | 26 | 0.11 | 6.12 | 63 | 2.1 | 0.013 |
| YY17472 | | 0.09 | 1.28 | 22 | 0.09 | 5.42 | 77 | 1.8 | 0.012 |
| YY17473 | | 0.14 | 0.94 | 30 | 0.13 | 7.80 | 83 | 1.8 | 0.016 |
| YY17474 | | 0.14 | 1.19 | 30 | 0.16 | 8.05 | 89 | 1.6 | 0.017 |
| YY17475 | | 0.16 | 1.01 | 31 | 0.12 | 8.16 | 118 | 2.3 | 0.037 |
| YY17476 | | 0.14 | 0.94 | 33 | 0.14 | 8.92 | 170 | 2.8 | 0.027 |
| YY17477 | | 0.13 | 0.88 | 32 | 0.11 | 8.98 | 148 | 4.4 | 0.016 |
| YY17478 | | 0.13 | 2.44 | 42 | 0.09 | 10.00 | 197 | 3.7 | 0.010 |
| YY17479 | | 0.09 | 2.19 | 47 | 0.07 | 17.00 | 426 | 10.9 | 0.009 |
| YY17480 | | 0.11 | 0.57 | 65 | 0.17 | 3.15 | 100 | 2.9 | 0.003 |
| YY17481 | | 0.08 | 0.45 | 55 | 0.20 | 2.53 | 153 | 1.0 | 0.003 |
| YY17482 | | 0.12 | 1.55 | 44 | 0.12 | 6.13 | 178 | 1.1 | 0.006 |
| YY17483 | | 0.12 | 1.44 | 39 | 0.10 | 9.76 | 147 | 1.7 | 0.004 |
| YY17484 | | 0.14 | 0.54 | 78 | 0.11 | 5.37 | 111 | 1.1 | 0.004 |
| YY17485 | | 0.12 | 0.64 | 69 | 0.25 | 3.05 | 97 | 2.2 | 0.003 |
| YY17487 | | 0.19 | 1.29 | 47 | 0.13 | 8.78 | 84 | 2.4 | 0.018 |
| YY17488 | | 0.16 | 1.38 | 39 | 0.14 | 9.16 | 81 | 2.7 | 0.016 |
| YY17489 | | 0.16 | 1.18 | 37 | 0.14 | 8.75 | 89 | 2.9 | 0.054 |
| YY17490 | | 0.18 | 1.13 | 41 | 0.15 | 9.94 | 99 | 3.1 | 0.025 |
| YY17491 | | 0.16 | 1.29 | 38 | 0.14 | 7.50 | 86 | 3.4 | 0.036 |
| YY17492 | | 0.12 | 1.48 | 38 | 0.12 | 8.44 | 79 | 2.5 | 0.014 |
| YY17493 | | 0.09 | 1.22 | 35 | 0.11 | 6.89 | 72 | 2.2 | 0.015 |
| YY17494 | | 0.16 | 1.36 | 40 | 0.13 | 7.91 | 87 | 2.5 | 0.050 |
| YY17495 | | 0.19 | 0.59 | 61 | 0.21 | 2.71 | 104 | 2.0 | 0.015 |
| YY17496 | | 0.09 | 1.04 | 20 | 0.07 | 5.96 | 79 | 1.4 | 0.005 |
| YY17497 | | 0.18 | 1.08 | 37 | 0.08 | 9.55 | 140 | 6.1 | 0.008 |
| YY17498 | | 0.12 | 2.20 | 25 | 0.06 | 7.19 | 101 | 3.9 | 0.008 |
| YY17499 | | 0.15 | 2.67 | 37 | 0.09 | 9.08 | 139 | 5.1 | 0.008 |
| YY17500 | | 0.08 | 1.69 | 44 | 0.19 | 2.64 | 51 | <0.5 | 0.001 |
| YY19450 | | 0.10 | 2.13 | 38 | 0.13 | 8.38 | 165 | 0.9 | 0.013 |
| YY19451 | | 0.25 | 1.07 | 32 | <0.05 | 2.20 | 139 | 4.0 | 0.006 |
| YY19452 | | 0.53 | 0.88 | 66 | 0.07 | 4.86 | 121 | 1.6 | 0.005 |
| YY19453 | | 0.11 | 2.64 | 26 | 0.07 | 5.89 | 97 | 2.0 | 0.011 |
| YY19454 | | 0.10 | 4.87 | 33 | 0.06 | 9.04 | 124 | 3.4 | 0.005 |
| YY19455 | | 0.11 | 0.73 | 37 | 0.08 | 8.92 | 130 | 3.4 | 0.005 |
| YY19456 | | 0.09 | 1.36 | 34 | 0.08 | 8.58 | 80 | 2.0 | 0.003 |
| YY19457 | | 0.12 | 0.99 | 38 | 0.08 | 8.06 | 122 | 3.7 | 0.003 |
| YY19458 | | 0.09 | 1.30 | 33 | 0.06 | 7.44 | 111 | 2.7 | 0.002 |
| YY19460 | | 0.13 | 0.73 | 38 | 0.18 | 5.92 | 243 | 0.7 | 0.001 |

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

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**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| YY19461 | | Listed, NR | | | | | | | | | | | | | | |
| YY19462 | | 0.24 | 0.55 | 1.04 | 21.3 | <0.02 | <10 | 170 | 0.64 | 0.15 | 5.36 | 0.80 | 17.85 | 8.0 | 17 | 0.74 |
| YY19463 | | 0.28 | 0.42 | 1.06 | 26.3 | <0.02 | <10 | 120 | 0.74 | 0.14 | 9.52 | 1.60 | 16.25 | 6.6 | 14 | 0.79 |
| YY19464 | | 0.19 | 1.60 | 1.46 | 39.8 | <0.02 | <10 | 190 | 1.09 | 0.22 | 4.01 | 6.72 | 32.4 | 11.1 | 17 | 1.10 |
| YY19465 | | 0.15 | 0.23 | 1.49 | 12.9 | <0.02 | <10 | 170 | 0.78 | 0.19 | 3.94 | 1.54 | 20.2 | 9.1 | 17 | 0.69 |
| YY19466 | | 0.24 | 0.78 | 1.42 | 19.2 | <0.02 | <10 | 150 | 0.76 | 0.17 | 6.37 | 2.88 | 19.25 | 7.4 | 19 | 0.82 |
| YY19467 | | 0.31 | 0.17 | 1.74 | 18.7 | <0.02 | <10 | 220 | 1.00 | 0.24 | 0.65 | 1.44 | 24.8 | 9.4 | 25 | 0.82 |
| YY19468 | | 0.31 | 0.53 | 1.71 | 40.8 | <0.02 | <10 | 180 | 1.01 | 0.23 | 2.29 | 2.76 | 28.5 | 11.0 | 27 | 0.85 |
| YY19469 | | 0.24 | 1.02 | 1.63 | 38.8 | <0.02 | <10 | 220 | 0.93 | 0.22 | 2.54 | 2.40 | 27.1 | 9.2 | 23 | 0.90 |
| YY19470 | | 0.31 | 0.42 | 1.55 | 32.1 | <0.02 | <10 | 270 | 1.16 | 0.23 | 1.33 | 1.15 | 31.9 | 12.3 | 24 | 0.99 |
| YY17216 | | 0.24 | 0.39 | 1.48 | 16.6 | <0.02 | 10 | 360 | 0.89 | 0.22 | 1.52 | 3.89 | 21.1 | 9.5 | 23 | 0.89 |
| YY17217 | | 0.36 | 0.28 | 1.53 | 26.8 | <0.02 | <10 | 300 | 0.85 | 0.22 | 1.14 | 1.86 | 25.4 | 10.8 | 24 | 0.90 |
| YY17218 | | 0.35 | 1.60 | 0.95 | 32.3 | <0.02 | <10 | 160 | 0.84 | 0.17 | 5.05 | 3.43 | 18.20 | 8.0 | 15 | 0.59 |
| YY17219 | | 0.23 | 1.24 | 0.83 | 122.5 | <0.02 | 10 | 110 | 0.69 | 0.13 | 6.62 | 14.25 | 12.40 | 4.5 | 12 | 0.88 |
| YY17220 | | 0.41 | 0.21 | 0.34 | 7.7 | <0.02 | <10 | 30 | 0.29 | 0.05 | 17.15 | 1.65 | 5.23 | 2.8 | 5 | 0.24 |
| YY17221 | | 0.31 | 0.26 | 2.09 | 9.4 | <0.02 | <10 | 230 | 0.76 | 0.22 | 2.04 | 0.75 | 23.2 | 7.9 | 32 | 0.85 |
| YY17222 | | 0.24 | 0.55 | 2.27 | 11.2 | <0.02 | <10 | 150 | 0.92 | 0.20 | 4.23 | 4.57 | 23.3 | 7.2 | 28 | 0.97 |
| YY19471 | | 0.34 | 0.58 | 1.50 | 17.4 | <0.02 | <10 | 90 | 0.37 | 0.38 | 0.03 | 0.14 | 20.0 | 6.7 | 24 | 0.87 |
| YY19472 | | 0.35 | 0.35 | 1.37 | 32.0 | <0.02 | <10 | 120 | 1.36 | 0.27 | 0.45 | 0.47 | 31.3 | 10.8 | 19 | 1.07 |
| YY19473 | | 0.29 | 0.74 | 1.34 | 22.8 | <0.02 | <10 | 250 | 0.93 | 0.20 | 3.89 | 3.94 | 20.4 | 9.6 | 19 | 0.73 |
| YY19474 | | 0.31 | 0.83 | 1.05 | 35.9 | <0.02 | 10 | 550 | 0.71 | 0.15 | 6.10 | 7.58 | 16.55 | 7.5 | 14 | 0.74 |
| YY19475 | | 0.29 | 0.48 | 1.49 | 20.2 | <0.02 | <10 | 300 | 0.83 | 0.20 | 4.94 | 4.51 | 20.5 | 8.5 | 19 | 0.72 |

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

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**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| YY19461 | | | | | | | | | | | | | | | | |
| YY19462 | | 16.3 | 2.51 | 3.00 | <0.05 | 0.03 | 0.26 | 0.023 | 0.05 | 9.0 | 9.0 | 2.91 | 899 | 0.80 | 0.02 | 0.59 |
| YY19463 | | 11.6 | 3.07 | 2.64 | <0.05 | 0.03 | 0.26 | 0.030 | 0.04 | 8.6 | 7.9 | 5.70 | 1820 | 0.68 | 0.02 | 0.31 |
| YY19464 | | 17.1 | 4.68 | 3.62 | 0.07 | 0.05 | 0.76 | 0.049 | 0.05 | 14.6 | 7.4 | 1.96 | 3820 | 1.33 | 0.01 | 0.39 |
| YY19465 | | 14.2 | 3.02 | 3.67 | 0.05 | 0.05 | 0.22 | 0.034 | 0.04 | 9.4 | 7.9 | 1.52 | 3020 | 0.73 | 0.02 | 0.56 |
| YY19466 | | 12.9 | 3.88 | 3.62 | <0.05 | 0.05 | 0.43 | 0.031 | 0.04 | 9.9 | 9.3 | 3.80 | 2330 | 0.87 | 0.01 | 0.46 |
| YY19467 | | 11.3 | 4.30 | 4.90 | 0.06 | 0.05 | 0.09 | 0.045 | 0.05 | 12.0 | 11.2 | 0.55 | 1400 | 1.06 | 0.01 | 0.80 |
| YY19468 | | 10.7 | 5.25 | 4.88 | 0.07 | 0.06 | 0.30 | 0.046 | 0.05 | 16.9 | 10.7 | 1.51 | 2380 | 1.31 | 0.01 | 0.79 |
| YY19469 | | 12.3 | 3.98 | 4.56 | 0.05 | 0.05 | 0.24 | 0.038 | 0.05 | 12.5 | 10.0 | 1.54 | 1720 | 1.27 | 0.01 | 0.75 |
| YY19470 | | 16.7 | 4.37 | 4.28 | 0.08 | 0.08 | 0.25 | 0.049 | 0.09 | 18.9 | 12.2 | 0.98 | 1460 | 1.27 | 0.01 | 0.63 |
| YY17216 | | 29.7 | 3.03 | 4.18 | 0.06 | 0.06 | 0.17 | 0.035 | 0.08 | 12.2 | 13.2 | 0.68 | 632 | 1.01 | 0.01 | 0.76 |
| YY17217 | | 25.1 | 3.24 | 4.25 | 0.06 | 0.05 | 0.21 | 0.034 | 0.06 | 13.6 | 13.6 | 0.75 | 670 | 0.99 | 0.01 | 0.66 |
| YY17218 | | 15.4 | 3.49 | 2.59 | 0.05 | 0.05 | 1.21 | 0.044 | 0.06 | 9.9 | 8.1 | 2.89 | 1040 | 1.23 | 0.01 | 0.36 |
| YY17219 | | 24.6 | 2.23 | 2.25 | <0.05 | 0.04 | 1.50 | 0.027 | 0.05 | 6.5 | 7.6 | 3.59 | 277 | 0.72 | 0.01 | 0.41 |
| YY17220 | | 3.0 | 1.25 | 1.08 | 0.05 | 0.02 | 0.28 | 0.010 | 0.01 | 2.2 | 2.9 | 10.40 | 630 | 0.33 | 0.02 | 0.22 |
| YY17221 | | 8.0 | 2.69 | 6.14 | 0.06 | 0.05 | 0.23 | 0.026 | 0.04 | 12.5 | 12.9 | 1.22 | 358 | 0.56 | 0.02 | 0.92 |
| YY17222 | | 4.5 | 3.47 | 6.05 | 0.05 | 0.03 | 0.20 | 0.034 | 0.02 | 9.3 | 11.1 | 2.57 | 1520 | 0.55 | 0.02 | 0.83 |
| YY19471 | | 26.3 | 4.16 | 5.96 | 0.06 | 0.03 | 0.04 | 0.026 | 0.04 | 10.5 | 13.5 | 0.20 | 195 | 4.55 | 0.01 | 1.18 |
| YY19472 | | 19.9 | 4.17 | 3.75 | 0.07 | 0.07 | 0.13 | 0.048 | 0.10 | 16.1 | 10.8 | 0.38 | 656 | 1.58 | 0.01 | 0.40 |
| YY19473 | | 19.0 | 3.74 | 3.59 | 0.05 | 0.05 | 1.41 | 0.041 | 0.07 | 10.4 | 8.1 | 2.26 | 1400 | 1.16 | 0.01 | 0.59 |
| YY19474 | | 22.0 | 3.08 | 3.00 | <0.05 | 0.05 | 0.82 | 0.035 | 0.09 | 7.7 | 7.7 | 3.26 | 1140 | 1.19 | 0.02 | 0.46 |
| YY19475 | | 18.9 | 3.21 | 3.96 | 0.05 | 0.06 | 0.90 | 0.036 | 0.06 | 10.1 | 10.5 | 3.01 | 1260 | 0.86 | 0.02 | 0.62 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 25-SEP-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| YY19461 | | | | | | | | | | | | | | | | |
| YY19462 | | 18.4 | 830 | 91.4 | 6.9 | <0.001 | 0.06 | 8.16 | 2.2 | 0.5 | 0.3 | 20.9 | <0.01 | 0.03 | 0.7 | 0.017 |
| YY19463 | | 13.1 | 1110 | 139.0 | 7.1 | <0.001 | 0.06 | 9.68 | 2.0 | 0.4 | 0.3 | 22.1 | <0.01 | 0.03 | 0.6 | 0.013 |
| YY19464 | | 19.1 | 1490 | 300 | 7.1 | <0.001 | 0.09 | 32.8 | 3.0 | 0.7 | 0.4 | 23.7 | 0.01 | 0.06 | 0.7 | 0.016 |
| YY19465 | | 15.0 | 1540 | 60.5 | 3.7 | <0.001 | 0.10 | 4.28 | 1.7 | 0.8 | 0.4 | 17.1 | 0.01 | 0.06 | 0.5 | 0.020 |
| YY19466 | | 17.1 | 1340 | 156.0 | 5.9 | <0.001 | 0.06 | 5.55 | 2.6 | 0.7 | 0.4 | 20.5 | <0.01 | 0.03 | 0.8 | 0.019 |
| YY19467 | | 18.3 | 450 | 77.2 | 6.6 | <0.001 | 0.03 | 3.88 | 4.6 | 0.3 | 0.6 | 8.9 | <0.01 | 0.04 | 2.3 | 0.018 |
| YY19468 | | 23.6 | 580 | 135.5 | 8.4 | <0.001 | 0.04 | 3.68 | 5.7 | 0.6 | 0.5 | 17.9 | <0.01 | 0.05 | 2.4 | 0.022 |
| YY19469 | | 19.5 | 740 | 424 | 7.8 | <0.001 | 0.04 | 16.70 | 3.9 | 0.3 | 0.6 | 14.5 | <0.01 | 0.05 | 1.7 | 0.021 |
| YY19470 | | 26.8 | 540 | 103.5 | 10.6 | <0.001 | 0.04 | 5.49 | 5.6 | 0.3 | 0.5 | 10.5 | <0.01 | 0.04 | 2.6 | 0.015 |
| YY17216 | | 25.1 | 670 | 64.6 | 7.6 | <0.001 | 0.05 | 2.76 | 3.8 | 0.6 | 0.4 | 22.7 | <0.01 | 0.03 | 1.3 | 0.019 |
| YY17217 | | 31.1 | 520 | 71.0 | 7.6 | <0.001 | 0.03 | 3.42 | 4.1 | 0.7 | 0.5 | 16.5 | <0.01 | 0.03 | 1.6 | 0.016 |
| YY17218 | | 18.6 | 860 | 292 | 5.5 | <0.001 | 0.05 | 11.75 | 4.2 | 0.5 | 0.4 | 24.7 | <0.01 | 0.04 | 1.1 | 0.011 |
| YY17219 | | 16.0 | 1220 | 657 | 8.6 | <0.001 | 0.12 | 15.55 | 2.4 | 2.1 | 0.3 | 25.2 | <0.01 | 0.03 | 0.8 | 0.009 |
| YY17220 | | 3.8 | 270 | 108.5 | 1.8 | <0.001 | 0.03 | 2.84 | 1.0 | 0.3 | <0.2 | 23.5 | <0.01 | 0.01 | 0.5 | 0.009 |
| YY17221 | | 18.3 | 2720 | 122.5 | 6.9 | <0.001 | 0.02 | 0.75 | 3.8 | 0.3 | 0.6 | 14.4 | <0.01 | 0.02 | 2.5 | 0.028 |
| YY17222 | | 15.7 | 1560 | 584 | 4.3 | <0.001 | 0.06 | 1.24 | 2.9 | 0.2 | 0.6 | 14.7 | <0.01 | 0.03 | 1.2 | 0.027 |
| YY19471 | | 19.6 | 550 | 13.9 | 8.7 | <0.001 | 0.01 | 1.28 | 1.8 | 1.0 | 0.6 | 6.4 | <0.01 | 0.12 | 2.8 | 0.021 |
| YY19472 | | 22.6 | 350 | 143.0 | 8.6 | <0.001 | 0.02 | 6.11 | 7.4 | 0.5 | 0.5 | 8.8 | <0.01 | 0.03 | 3.7 | 0.006 |
| YY19473 | | 21.2 | 860 | 133.5 | 6.9 | <0.001 | 0.04 | 4.41 | 3.3 | 0.6 | 0.4 | 19.2 | <0.01 | 0.03 | 1.1 | 0.012 |
| YY19474 | | 17.5 | 800 | 649 | 7.7 | <0.001 | 0.06 | 8.40 | 3.0 | 0.6 | 0.4 | 29.3 | <0.01 | 0.03 | 1.1 | 0.012 |
| YY19475 | | 18.0 | 600 | 112.0 | 6.9 | <0.001 | 0.04 | 4.66 | 3.6 | 0.5 | 0.4 | 18.2 | <0.01 | 0.03 | 1.4 | 0.017 |

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

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**Finalized Date: 25-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175564

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| YY19461 | | | | | | | | | |
| YY19462 | | 0.12 | 0.61 | 30 | 0.18 | 7.42 | 188 | 1.0 | 0.002 |
| YY19463 | | 0.10 | 0.69 | 28 | 0.20 | 10.15 | 318 | 0.9 | 0.002 |
| YY19464 | | 0.17 | 0.79 | 46 | 0.24 | 15.65 | 550 | 1.2 | 0.001 |
| YY19465 | | 0.37 | 0.70 | 36 | 0.13 | 9.81 | 186 | 1.4 | <0.001 |
| YY19466 | | 0.15 | 0.54 | 39 | 0.19 | 11.30 | 488 | 1.1 | 0.002 |
| YY19467 | | 0.16 | 0.59 | 55 | 0.19 | 8.30 | 393 | 1.5 | <0.001 |
| YY19468 | | 0.16 | 0.77 | 56 | 0.24 | 15.90 | 875 | 1.6 | 0.002 |
| YY19469 | | 0.16 | 0.55 | 52 | 0.26 | 9.47 | 922 | 1.4 | <0.001 |
| YY19470 | | 0.16 | 0.64 | 45 | 0.20 | 18.35 | 489 | 1.9 | 0.001 |
| YY17216 | | 0.10 | 1.46 | 38 | 0.14 | 10.90 | 1800 | 1.4 | 0.001 |
| YY17217 | | 0.10 | 0.82 | 41 | 0.19 | 10.40 | 1840 | 1.1 | 0.002 |
| YY17218 | | 0.09 | 1.01 | 29 | 0.12 | 11.50 | 726 | 1.2 | 0.005 |
| YY17219 | | 0.27 | 1.31 | 19 | 0.10 | 7.99 | 2310 | 1.4 | 0.003 |
| YY17220 | | 0.04 | 0.33 | 10 | 0.06 | 3.10 | 238 | 0.6 | 0.001 |
| YY17221 | | 0.11 | 0.69 | 61 | 0.24 | 9.68 | 491 | 1.3 | 0.001 |
| YY17222 | | 0.12 | 0.31 | 63 | 0.22 | 7.46 | 2360 | 0.8 | <0.001 |
| YY19471 | | 0.11 | 0.72 | 63 | 0.24 | 1.69 | 50 | 1.6 | 0.001 |
| YY19472 | | 0.16 | 0.89 | 34 | 0.11 | 14.15 | 243 | 2.2 | 0.002 |
| YY19473 | | 0.11 | 0.60 | 37 | 0.23 | 11.50 | 984 | 1.4 | 0.002 |
| YY19474 | | 0.20 | 0.48 | 28 | 0.23 | 10.15 | 3310 | 1.5 | 0.001 |
| YY19475 | | 0.08 | 0.60 | 36 | 0.16 | 10.65 | 834 | 1.6 | 0.001 |

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

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Project: Rau


**Finalized Date: 25-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20175564

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS41

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**Finalized Date: 17-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20208118

Project: Rau

P.O. No.: R20-S03

This report is for 124 Soil samples submitted to our lab in Whitehorse, YT, Canada on 18-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| SCR-41 | Screen to -180um and save both |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-ICP21 | Au 30g FA ICP-AES Finish | ICP-AES |
| ME-MS41 | Ultra Trace Aqua Regia ICP-MS | |

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

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

**Signature:**



Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| ZZ03165 | | 0.31 | 0.32 | 1.72 | 17.6 | <0.02 | <10 | 380 | 0.97 | 0.30 | 3.16 | 0.72 | 25.4 | 14.9 | 30 | 1.35 |
| ZZ03166 | | 0.33 | 0.47 | 1.69 | 17.5 | <0.02 | <10 | 330 | 0.79 | 0.28 | 1.04 | 1.27 | 23.3 | 19.0 | 30 | 0.80 |
| ZZ03167 | | 0.39 | 0.06 | 1.67 | 15.5 | <0.02 | <10 | 210 | 0.51 | 0.20 | 0.08 | 0.12 | 32.8 | 9.1 | 28 | 0.81 |
| ZZ03168 | | 0.30 | 0.58 | 1.64 | 21.4 | <0.02 | <10 | 100 | 0.31 | 0.26 | 0.06 | 0.20 | 19.15 | 4.0 | 24 | 1.26 |
| ZZ03169 | | 0.33 | 0.08 | 1.68 | 11.7 | <0.02 | <10 | 170 | 0.35 | 0.16 | 0.10 | 0.09 | 54.0 | 9.5 | 17 | 0.60 |
| ZZ03170 | | 0.38 | 0.32 | 1.20 | 10.8 | <0.02 | <10 | 180 | 0.51 | 0.32 | 0.09 | 0.34 | 32.0 | 16.8 | 17 | 0.51 |
| ZZ03171 | | 0.29 | 0.39 | 0.58 | 8.8 | <0.02 | <10 | 150 | 0.36 | 0.13 | 4.04 | 0.51 | 25.3 | 8.9 | 5 | 0.12 |
| ZZ03172 | | 0.19 | 0.19 | 0.67 | 53.9 | <0.02 | <10 | 280 | 0.31 | 0.74 | 17.65 | 1.00 | 10.10 | 8.7 | 12 | 0.63 |
| ZZ03173 | | 0.38 | 0.23 | 1.00 | 61.1 | <0.02 | <10 | 260 | 0.44 | 1.34 | 4.01 | 0.70 | 28.9 | 13.9 | 18 | 1.11 |
| ZZ03174 | | 0.33 | 0.29 | 1.14 | 61.4 | <0.02 | <10 | 290 | 0.48 | 1.42 | 4.43 | 0.92 | 29.8 | 12.0 | 22 | 1.06 |
| ZZ03175 | | 0.40 | 0.37 | 1.21 | 82.0 | <0.02 | 10 | 310 | 0.55 | 1.54 | 6.92 | 1.34 | 27.7 | 12.2 | 21 | 1.46 |
| ZZ03176 | | 0.37 | 0.36 | 1.16 | 67.6 | <0.02 | 10 | 350 | 0.54 | 1.60 | 5.42 | 1.29 | 30.0 | 12.5 | 22 | 1.17 |
| ZZ03177 | | 0.32 | 0.37 | 1.15 | 87.0 | 0.12 | <10 | 270 | 0.47 | 1.62 | 3.65 | 1.02 | 26.8 | 15.7 | 22 | 1.28 |
| ZZ03178 | | 0.40 | 0.30 | 1.04 | 76.5 | <0.02 | <10 | 220 | 0.50 | 1.46 | 5.46 | 1.22 | 27.5 | 11.7 | 20 | 1.19 |
| ZZ03179 | | 0.33 | 0.42 | 1.09 | 132.5 | 0.02 | <10 | 260 | 0.48 | 1.64 | 2.27 | 1.10 | 25.4 | 17.7 | 21 | 1.05 |
| ZZ03180 | | 0.28 | 0.39 | 1.16 | 66.0 | <0.02 | <10 | 250 | 0.50 | 1.28 | 1.07 | 0.50 | 27.9 | 12.6 | 21 | 0.94 |
| ZZ03181 | | 0.33 | 0.45 | 1.77 | 78.6 | <0.02 | <10 | 340 | 0.68 | 1.25 | 0.80 | 0.45 | 35.9 | 17.2 | 25 | 1.97 |
| ZZ03182 | | 0.33 | 0.31 | 1.95 | 80.0 | <0.02 | <10 | 350 | 0.76 | 1.18 | 0.55 | 0.58 | 53.6 | 20.4 | 26 | 2.48 |
| ZZ03183 | | 0.38 | 0.30 | 1.85 | 84.5 | <0.02 | <10 | 370 | 0.70 | 1.15 | 0.72 | 0.43 | 37.0 | 16.6 | 25 | 2.12 |
| ZZ03184 | | 0.38 | 0.36 | 1.65 | 121.0 | <0.02 | <10 | 340 | 0.61 | 1.53 | 1.02 | 0.69 | 38.9 | 17.4 | 22 | 1.84 |
| ZZ03185 | | 0.36 | 1.35 | 1.06 | 82.9 | <0.02 | <10 | 310 | 0.48 | 2.02 | 0.48 | 1.02 | 34.7 | 14.4 | 18 | 0.83 |
| ZZ03186 | | 0.40 | 0.22 | 0.90 | 78.0 | 0.02 | <10 | 160 | 0.45 | 5.08 | 0.47 | 0.52 | 30.7 | 18.1 | 16 | 0.77 |
| ZZ03187 | | 0.36 | 0.43 | 1.38 | 124.5 | <0.02 | <10 | 300 | 0.67 | 1.92 | 0.59 | 0.49 | 42.8 | 16.5 | 22 | 0.97 |
| ZZ03188 | | 0.37 | 0.30 | 1.31 | 145.0 | <0.02 | <10 | 290 | 0.61 | 2.19 | 0.56 | 0.44 | 46.0 | 18.2 | 20 | 1.00 |
| ZZ03189 | | 0.29 | 0.20 | 1.22 | 147.0 | <0.02 | <10 | 260 | 0.53 | 2.01 | 0.81 | 0.63 | 42.8 | 18.5 | 20 | 1.09 |
| ZZ03190 | | 0.31 | 0.95 | 1.35 | 77.9 | <0.02 | <10 | 170 | 0.46 | 1.24 | 0.10 | 0.60 | 33.4 | 8.7 | 21 | 1.28 |
| ZZ03191 | | 0.31 | 0.10 | 1.95 | 152.0 | <0.02 | <10 | 390 | 0.75 | 1.24 | 0.20 | 0.21 | 45.5 | 16.0 | 28 | 1.57 |
| ZZ03192 | | 0.28 | 1.35 | 1.06 | 116.0 | <0.02 | <10 | 310 | 0.57 | 0.60 | 0.78 | 38.3 | 37.9 | 12.8 | 25 | 0.91 |
| ZZ03193 | | 0.34 | 0.74 | 1.82 | 120.0 | <0.02 | <10 | 310 | 0.86 | 1.58 | 0.47 | 1.92 | 47.8 | 17.8 | 29 | 1.34 |
| ZZ03194 | | 0.27 | 1.02 | 1.52 | 55.1 | <0.02 | <10 | 370 | 0.63 | 0.80 | 0.79 | 20.9 | 35.0 | 16.4 | 30 | 1.90 |
| ZZ03195 | | 0.34 | 0.21 | 1.44 | 113.5 | <0.02 | <10 | 360 | 0.57 | 1.36 | 0.39 | 0.45 | 47.1 | 14.3 | 23 | 1.19 |
| ZZ03196 | | 0.32 | 2.29 | 1.10 | 86.3 | <0.02 | <10 | 310 | 0.79 | 0.18 | 0.85 | 22.2 | 32.8 | 26.6 | 30 | 0.57 |
| ZZ03197 | | 0.39 | 0.19 | 2.24 | 48.3 | <0.02 | <10 | 710 | 0.71 | 0.65 | 0.49 | 1.85 | 32.6 | 24.9 | 126 | 2.26 |
| ZZ03198 | | 0.17 | 0.32 | 1.46 | 41.2 | <0.02 | <10 | 620 | 0.47 | 0.97 | 1.14 | 1.39 | 31.2 | 20.8 | 40 | 1.33 |
| ZZ03199 | | 0.24 | 0.55 | 4.30 | 7.0 | <0.02 | <10 | 4120 | 0.68 | 0.13 | 1.68 | 0.19 | 29.3 | 54.2 | 227 | 1.38 |
| ZZ03200 | | 0.24 | 0.20 | 1.77 | 70.6 | <0.02 | <10 | 180 | 0.57 | 0.72 | 0.12 | 0.41 | 31.3 | 9.7 | 30 | 1.26 |
| ZZ03201 | | 0.33 | 0.48 | 1.23 | 23.1 | <0.02 | <10 | 370 | 0.53 | 0.32 | 2.44 | 1.71 | 32.2 | 13.7 | 23 | 1.01 |
| ZZ03202 | | 0.34 | 0.36 | 1.36 | 19.8 | <0.02 | 10 | 230 | 0.65 | 0.27 | 7.76 | 1.07 | 30.3 | 11.1 | 19 | 1.26 |
| ZZ03203 | | 0.28 | 0.53 | 1.43 | 23.2 | <0.02 | 10 | 230 | 0.68 | 0.32 | 3.57 | 1.04 | 33.0 | 12.1 | 22 | 1.15 |
| ZZ03204 | | 0.36 | 0.35 | 1.24 | 177.5 | <0.02 | 10 | 220 | 0.58 | 2.18 | 5.07 | 1.11 | 35.0 | 13.7 | 19 | 1.17 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| ZZ03165 | | 55.5 | 4.01 | 5.04 | 0.09 | 0.12 | 0.16 | 0.033 | 0.16 | 12.5 | 27.3 | 1.26 | 538 | 1.81 | 0.01 | 0.46 |
| ZZ03166 | | 104.0 | 3.82 | 4.59 | 0.07 | 0.11 | 0.13 | 0.035 | 0.12 | 11.7 | 23.3 | 0.61 | 637 | 2.08 | 0.01 | 0.45 |
| ZZ03167 | | 41.2 | 3.12 | 4.57 | 0.07 | 0.02 | 0.03 | 0.023 | 0.05 | 16.8 | 22.5 | 0.52 | 273 | 1.37 | <0.01 | 0.44 |
| ZZ03168 | | 37.7 | 3.23 | 6.50 | 0.05 | 0.04 | 0.02 | 0.023 | 0.03 | 9.9 | 13.9 | 0.18 | 126 | 2.25 | <0.01 | 1.39 |
| ZZ03169 | | 28.0 | 4.15 | 4.62 | 0.08 | <0.02 | 0.01 | 0.015 | 0.04 | 29.7 | 26.6 | 0.55 | 189 | 1.52 | <0.01 | 0.29 |
| ZZ03170 | | 96.6 | 4.13 | 2.63 | 0.07 | 0.04 | 0.03 | 0.018 | 0.04 | 16.9 | 15.0 | 0.35 | 434 | 6.20 | <0.01 | 0.24 |
| ZZ03171 | | 88.6 | 3.15 | 1.24 | 0.06 | 0.04 | 0.03 | 0.023 | 0.02 | 13.5 | 3.6 | 0.10 | 987 | 4.45 | <0.01 | <0.05 |
| ZZ03172 | | 36.4 | 2.61 | 1.92 | <0.05 | 0.05 | 0.04 | 0.018 | 0.08 | 4.9 | 7.9 | 1.04 | 781 | 3.63 | 0.01 | 0.48 |
| ZZ03173 | | 47.2 | 3.37 | 3.02 | 0.07 | 0.08 | 0.06 | 0.025 | 0.13 | 15.4 | 9.8 | 1.92 | 712 | 3.64 | 0.01 | 1.40 |
| ZZ03174 | | 44.7 | 3.14 | 3.41 | 0.08 | 0.07 | 0.05 | 0.025 | 0.15 | 15.5 | 12.0 | 1.78 | 595 | 2.83 | 0.01 | 0.84 |
| ZZ03175 | | 49.8 | 3.40 | 3.48 | 0.08 | 0.10 | 0.06 | 0.033 | 0.23 | 14.5 | 12.8 | 2.63 | 679 | 3.76 | 0.01 | 0.69 |
| ZZ03176 | | 57.9 | 3.06 | 3.41 | 0.07 | 0.08 | 0.07 | 0.038 | 0.20 | 16.0 | 12.8 | 2.38 | 548 | 3.85 | 0.01 | 0.63 |
| ZZ03177 | | 43.8 | 3.66 | 3.34 | 0.08 | 0.06 | 0.05 | 0.032 | 0.17 | 13.4 | 11.3 | 1.97 | 842 | 3.54 | 0.01 | 1.13 |
| ZZ03178 | | 50.1 | 3.35 | 3.08 | 0.08 | 0.08 | 0.07 | 0.033 | 0.17 | 14.3 | 10.5 | 2.46 | 564 | 3.71 | 0.01 | 0.78 |
| ZZ03179 | | 61.3 | 3.87 | 3.16 | 0.08 | 0.06 | 0.09 | 0.039 | 0.13 | 13.8 | 9.8 | 1.06 | 1490 | 3.52 | 0.01 | 1.07 |
| ZZ03180 | | 58.5 | 3.60 | 3.33 | 0.09 | 0.06 | 0.06 | 0.036 | 0.12 | 15.7 | 10.6 | 0.54 | 507 | 3.91 | 0.01 | 1.21 |
| ZZ03181 | | 58.8 | 4.61 | 4.97 | 0.09 | 0.05 | 0.05 | 0.039 | 0.26 | 20.3 | 16.7 | 0.81 | 438 | 3.18 | 0.01 | 2.64 |
| ZZ03182 | | 61.4 | 5.05 | 5.62 | 0.13 | 0.08 | 0.05 | 0.041 | 0.37 | 28.3 | 17.8 | 0.95 | 454 | 2.74 | 0.01 | 3.35 |
| ZZ03183 | | 51.1 | 4.47 | 5.42 | 0.10 | 0.05 | 0.03 | 0.038 | 0.32 | 20.1 | 16.2 | 0.83 | 455 | 2.34 | 0.01 | 3.61 |
| ZZ03184 | | 71.0 | 5.01 | 4.64 | 0.09 | 0.05 | 0.06 | 0.033 | 0.27 | 21.5 | 13.5 | 1.00 | 568 | 3.37 | 0.01 | 2.16 |
| ZZ03185 | | 65.4 | 4.18 | 2.96 | 0.09 | 0.05 | 0.07 | 0.072 | 0.13 | 20.0 | 8.3 | 0.40 | 661 | 4.09 | 0.01 | 0.96 |
| ZZ03186 | | 46.4 | 4.07 | 2.44 | 0.08 | 0.06 | 0.03 | 0.027 | 0.10 | 16.2 | 8.1 | 0.35 | 495 | 4.36 | <0.01 | 0.88 |
| ZZ03187 | | 86.4 | 4.46 | 4.04 | 0.10 | 0.04 | 0.04 | 0.039 | 0.19 | 24.9 | 10.5 | 0.47 | 559 | 4.54 | 0.01 | 0.87 |
| ZZ03188 | | 85.1 | 4.84 | 3.84 | 0.10 | 0.04 | 0.03 | 0.045 | 0.19 | 24.6 | 9.9 | 0.49 | 568 | 4.94 | 0.01 | 0.96 |
| ZZ03189 | | 81.4 | 4.89 | 3.54 | 0.08 | 0.07 | 0.03 | 0.035 | 0.18 | 23.2 | 8.8 | 0.65 | 751 | 5.30 | 0.01 | 0.94 |
| ZZ03190 | | 39.6 | 4.13 | 4.96 | 0.06 | <0.02 | 0.02 | 0.038 | 0.12 | 17.6 | 9.3 | 0.26 | 326 | 4.78 | <0.01 | 0.97 |
| ZZ03191 | | 72.0 | 5.11 | 4.39 | 0.09 | 0.03 | 0.05 | 0.042 | 0.15 | 22.6 | 13.3 | 0.65 | 613 | 3.17 | <0.01 | 1.48 |
| ZZ03192 | | 164.0 | 4.71 | 3.72 | 0.14 | 0.02 | 0.13 | 0.127 | 0.08 | 22.4 | 4.9 | 0.17 | 4080 | 22.0 | <0.01 | 0.45 |
| ZZ03193 | | 105.0 | 4.80 | 4.40 | 0.09 | 0.04 | 0.10 | 0.096 | 0.19 | 22.5 | 10.9 | 0.53 | 842 | 9.56 | <0.01 | 0.78 |
| ZZ03194 | | 89.9 | 3.79 | 4.24 | 0.08 | 0.04 | 0.13 | 0.052 | 0.11 | 18.6 | 11.0 | 0.55 | 1080 | 11.75 | 0.01 | 0.48 |
| ZZ03195 | | 64.1 | 4.31 | 4.41 | 0.08 | 0.02 | 0.06 | 0.040 | 0.15 | 25.3 | 10.7 | 0.59 | 495 | 3.16 | 0.01 | 1.75 |
| ZZ03196 | | 123.0 | 5.42 | 3.13 | 0.12 | 0.04 | 0.19 | 0.020 | 0.03 | 20.4 | 7.8 | 0.30 | 322 | 16.45 | <0.01 | 0.38 |
| ZZ03197 | | 53.9 | 5.72 | 7.35 | 0.09 | 0.03 | 0.03 | 0.040 | 0.18 | 16.3 | 19.2 | 1.10 | 1240 | 4.81 | 0.01 | 1.04 |
| ZZ03198 | | 77.9 | 3.90 | 4.54 | 0.08 | 0.04 | 0.06 | 0.032 | 0.08 | 16.3 | 14.4 | 0.61 | 648 | 2.31 | 0.01 | 1.36 |
| ZZ03199 | | 95.2 | 8.57 | 14.50 | 0.13 | 0.03 | 0.03 | 0.072 | 0.08 | 15.5 | 29.0 | 2.69 | 966 | 1.59 | 0.15 | 0.80 |
| ZZ03200 | | 32.4 | 4.40 | 5.72 | 0.06 | 0.05 | 0.02 | 0.042 | 0.10 | 15.9 | 20.0 | 0.46 | 278 | 2.96 | 0.01 | 1.68 |
| ZZ03201 | | 52.5 | 3.61 | 3.74 | 0.08 | 0.07 | 0.05 | 0.040 | 0.17 | 17.1 | 12.3 | 1.63 | 906 | 4.63 | 0.01 | 0.64 |
| ZZ03202 | | 44.4 | 3.26 | 4.03 | 0.07 | 0.07 | 0.08 | 0.036 | 0.25 | 15.2 | 12.8 | 3.35 | 919 | 3.34 | 0.01 | 0.66 |
| ZZ03203 | | 55.1 | 3.56 | 4.17 | 0.07 | 0.08 | 0.08 | 0.039 | 0.23 | 17.3 | 13.8 | 2.29 | 609 | 4.65 | 0.01 | 0.54 |
| ZZ03204 | | 50.6 | 3.81 | 3.72 | 0.07 | 0.13 | 0.06 | 0.034 | 0.23 | 18.6 | 11.9 | 2.34 | 874 | 4.02 | 0.01 | 0.40 |

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

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**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| ZZ03165 | | 46.9 | 620 | 22.9 | 9.7 | <0.001 | 0.02 | 1.21 | 5.0 | 0.8 | 0.5 | 62.3 | <0.01 | 0.06 | 4.3 | 0.008 |
| ZZ03166 | | 69.6 | 870 | 20.1 | 8.7 | 0.005 | 0.05 | 1.25 | 4.1 | 2.1 | 0.4 | 68.2 | <0.01 | 0.06 | 3.0 | 0.008 |
| ZZ03167 | | 32.5 | 150 | 11.2 | 9.3 | <0.001 | 0.01 | 0.85 | 2.8 | 0.5 | 0.4 | 7.6 | <0.01 | 0.03 | 3.7 | 0.013 |
| ZZ03168 | | 17.2 | 340 | 12.5 | 6.5 | <0.001 | 0.01 | 0.78 | 1.8 | 0.6 | 0.9 | 5.6 | <0.01 | 0.06 | 2.4 | 0.022 |
| ZZ03169 | | 24.6 | 770 | 6.5 | 7.1 | <0.001 | 0.01 | 0.71 | 1.5 | 0.5 | 0.3 | 8.2 | <0.01 | 0.02 | 5.1 | 0.005 |
| ZZ03170 | | 45.4 | 930 | 19.3 | 6.2 | <0.001 | 0.02 | 1.98 | 2.3 | 1.1 | 0.2 | 8.1 | <0.01 | 0.12 | 3.6 | 0.008 |
| ZZ03171 | | 39.9 | 1620 | 8.8 | 1.5 | <0.001 | 0.02 | 1.84 | 2.2 | 1.0 | <0.2 | 105.0 | <0.01 | 0.09 | 3.4 | <0.005 |
| ZZ03172 | | 30.6 | 710 | 10.0 | 6.1 | 0.009 | 0.36 | 1.02 | 1.9 | 3.7 | 0.3 | 169.0 | <0.01 | 0.04 | 1.3 | 0.011 |
| ZZ03173 | | 38.5 | 1250 | 18.4 | 11.9 | 0.001 | 0.03 | 1.64 | 2.5 | 1.2 | 0.5 | 55.7 | <0.01 | 0.06 | 3.6 | 0.030 |
| ZZ03174 | | 41.4 | 1150 | 17.0 | 10.6 | <0.001 | 0.02 | 1.48 | 3.3 | 0.6 | 0.5 | 64.4 | <0.01 | 0.05 | 3.8 | 0.032 |
| ZZ03175 | | 43.6 | 1170 | 21.4 | 15.4 | 0.001 | 0.02 | 1.65 | 3.3 | 0.8 | 0.5 | 91.7 | <0.01 | 0.05 | 3.9 | 0.023 |
| ZZ03176 | | 46.6 | 1230 | 21.9 | 13.0 | 0.001 | 0.02 | 1.65 | 3.3 | 1.2 | 0.5 | 78.3 | <0.01 | 0.06 | 3.6 | 0.019 |
| ZZ03177 | | 43.2 | 1450 | 21.4 | 13.6 | 0.002 | 0.04 | 1.63 | 2.9 | 1.9 | 0.6 | 50.7 | <0.01 | 0.06 | 2.7 | 0.025 |
| ZZ03178 | | 44.7 | 1270 | 19.9 | 11.9 | 0.001 | 0.02 | 1.81 | 3.1 | 1.7 | 0.5 | 74.9 | <0.01 | 0.06 | 3.3 | 0.020 |
| ZZ03179 | | 53.7 | 1360 | 20.2 | 11.8 | <0.001 | 0.04 | 1.97 | 3.0 | 1.4 | 0.5 | 35.2 | <0.01 | 0.05 | 2.1 | 0.024 |
| ZZ03180 | | 41.0 | 1120 | 18.1 | 10.8 | <0.001 | 0.04 | 1.35 | 2.9 | 1.5 | 0.6 | 29.5 | <0.01 | 0.06 | 2.4 | 0.028 |
| ZZ03181 | | 45.1 | 1180 | 22.3 | 28.8 | <0.001 | 0.04 | 1.33 | 3.3 | 1.5 | 0.8 | 24.9 | <0.01 | 0.05 | 3.2 | 0.056 |
| ZZ03182 | | 50.5 | 1370 | 31.5 | 34.6 | <0.001 | 0.03 | 1.43 | 4.5 | 0.9 | 1.1 | 24.0 | <0.01 | 0.06 | 6.0 | 0.070 |
| ZZ03183 | | 41.5 | 1210 | 17.4 | 31.6 | <0.001 | 0.03 | 1.29 | 4.3 | 0.7 | 1.3 | 25.9 | <0.01 | 0.06 | 4.1 | 0.062 |
| ZZ03184 | | 46.2 | 1480 | 22.0 | 22.5 | <0.001 | 0.05 | 1.58 | 4.1 | 1.1 | 1.2 | 28.3 | <0.01 | 0.08 | 4.4 | 0.046 |
| ZZ03185 | | 43.1 | 1380 | 272 | 11.6 | <0.001 | 0.02 | 2.36 | 2.7 | 0.8 | 1.4 | 17.8 | <0.01 | 0.07 | 4.1 | 0.021 |
| ZZ03186 | | 49.5 | 1480 | 13.3 | 8.7 | <0.001 | 0.02 | 1.52 | 2.4 | 1.0 | 0.6 | 16.5 | <0.01 | 0.07 | 4.0 | 0.019 |
| ZZ03187 | | 51.4 | 1330 | 15.8 | 13.7 | <0.001 | 0.01 | 2.03 | 3.1 | 1.1 | 0.8 | 20.5 | <0.01 | 0.08 | 3.5 | 0.017 |
| ZZ03188 | | 51.7 | 1660 | 14.8 | 12.9 | <0.001 | 0.01 | 2.06 | 3.2 | 1.0 | 0.8 | 23.4 | <0.01 | 0.08 | 4.8 | 0.023 |
| ZZ03189 | | 56.4 | 1770 | 20.5 | 12.0 | <0.001 | <0.01 | 2.06 | 3.4 | 1.3 | 0.8 | 24.7 | <0.01 | 0.08 | 5.7 | 0.031 |
| ZZ03190 | | 27.4 | 1680 | 14.6 | 20.6 | <0.001 | <0.01 | 1.21 | 1.9 | 1.5 | 0.8 | 7.9 | <0.01 | 0.06 | 2.3 | 0.018 |
| ZZ03191 | | 50.4 | 1140 | 14.9 | 14.5 | <0.001 | <0.01 | 1.68 | 3.8 | 1.6 | 0.8 | 13.4 | <0.01 | 0.08 | 5.3 | 0.035 |
| ZZ03192 | | 240 | 4420 | 12.4 | 9.1 | 0.001 | 0.01 | 3.59 | 3.5 | 8.6 | 0.7 | 43.2 | <0.01 | 0.14 | 1.2 | 0.020 |
| ZZ03193 | | 89.2 | 2580 | 114.5 | 13.8 | <0.001 | <0.01 | 2.86 | 4.8 | 4.9 | 0.8 | 30.9 | <0.01 | 0.10 | 5.5 | 0.022 |
| ZZ03194 | | 453 | 2550 | 20.8 | 11.8 | 0.005 | 0.04 | 2.41 | 1.5 | 3.4 | 0.7 | 46.3 | <0.01 | 0.08 | 0.6 | 0.016 |
| ZZ03195 | | 42.9 | 1430 | 14.8 | 13.4 | <0.001 | 0.01 | 1.64 | 3.7 | 1.4 | 0.9 | 21.7 | <0.01 | 0.05 | 5.0 | 0.041 |
| ZZ03196 | | 213 | 1410 | 13.4 | 4.7 | 0.001 | 0.03 | 6.56 | 2.9 | 4.3 | 0.3 | 31.5 | <0.01 | 0.10 | 1.7 | 0.009 |
| ZZ03197 | | 112.0 | 1410 | 10.5 | 16.2 | <0.001 | 0.01 | 1.20 | 7.3 | 2.4 | 0.7 | 29.2 | <0.01 | 0.05 | 3.8 | 0.085 |
| ZZ03198 | | 80.9 | 1820 | 14.5 | 11.5 | 0.002 | 0.06 | 0.91 | 4.5 | 3.0 | 2.5 | 43.7 | <0.01 | 0.03 | 3.0 | 0.033 |
| ZZ03199 | | 209 | 2950 | 5.6 | 6.1 | <0.001 | 0.07 | 0.26 | 22.9 | 0.7 | 0.8 | 96.5 | <0.01 | 0.05 | 2.2 | 0.211 |
| ZZ03200 | | 35.8 | 480 | 18.4 | 17.1 | <0.001 | <0.01 | 1.15 | 2.6 | 1.3 | 0.8 | 11.3 | <0.01 | 0.06 | 4.2 | 0.038 |
| ZZ03201 | | 46.5 | 1520 | 26.6 | 12.5 | 0.002 | 0.01 | 1.95 | 3.2 | 1.3 | 0.5 | 34.2 | <0.01 | 0.06 | 3.4 | 0.025 |
| ZZ03202 | | 32.5 | 920 | 33.0 | 14.3 | 0.002 | <0.01 | 1.74 | 3.9 | 0.8 | 0.5 | 66.4 | <0.01 | 0.04 | 3.5 | 0.023 |
| ZZ03203 | | 40.5 | 1270 | 31.4 | 13.7 | 0.002 | 0.01 | 2.09 | 3.8 | 1.0 | 0.5 | 34.6 | <0.01 | 0.07 | 3.2 | 0.019 |
| ZZ03204 | | 41.0 | 1270 | 27.1 | 13.0 | <0.001 | 0.01 | 2.06 | 3.7 | 0.6 | 0.6 | 57.1 | <0.01 | 0.08 | 4.7 | 0.021 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| ZZ03165 | | 0.15 | 0.77 | 42 | 0.06 | 10.70 | 155 | 4.7 | 0.002 |
| ZZ03166 | | 0.10 | 4.19 | 41 | 0.07 | 10.65 | 178 | 3.2 | 0.008 |
| ZZ03167 | | 0.08 | 0.56 | 41 | 0.07 | 3.42 | 80 | 0.8 | 0.001 |
| ZZ03168 | | 0.11 | 0.47 | 78 | 0.25 | 1.64 | 45 | 1.3 | 0.001 |
| ZZ03169 | | 0.06 | 0.39 | 28 | 0.06 | 2.18 | 74 | 0.7 | <0.001 |
| ZZ03170 | | 0.07 | 1.88 | 23 | 0.06 | 7.45 | 80 | 2.2 | 0.004 |
| ZZ03171 | | 0.02 | 1.53 | 12 | <0.05 | 27.4 | 138 | 2.5 | 0.002 |
| ZZ03172 | | 0.09 | 4.19 | 21 | 0.12 | 4.97 | 98 | 2.1 | 0.009 |
| ZZ03173 | | 0.15 | 1.10 | 34 | 0.12 | 8.08 | 108 | 3.6 | 0.022 |
| ZZ03174 | | 0.18 | 0.79 | 39 | 0.17 | 8.84 | 112 | 3.7 | 0.013 |
| ZZ03175 | | 0.20 | 0.95 | 37 | 0.12 | 8.82 | 128 | 5.1 | 0.013 |
| ZZ03176 | | 0.17 | 0.93 | 39 | 0.13 | 9.61 | 131 | 4.2 | 0.023 |
| ZZ03177 | | 0.19 | 1.21 | 39 | 0.13 | 8.58 | 137 | 2.4 | 0.020 |
| ZZ03178 | | 0.22 | 0.91 | 36 | 0.28 | 8.94 | 137 | 3.9 | 0.015 |
| ZZ03179 | | 0.24 | 1.01 | 35 | 0.13 | 10.85 | 156 | 2.3 | 0.023 |
| ZZ03180 | | 0.12 | 1.31 | 35 | 0.15 | 11.85 | 148 | 2.2 | 0.024 |
| ZZ03181 | | 0.21 | 1.49 | 45 | 0.12 | 11.05 | 141 | 2.5 | 0.013 |
| ZZ03182 | | 0.30 | 1.29 | 51 | 0.19 | 14.85 | 164 | 3.9 | 0.022 |
| ZZ03183 | | 0.20 | 1.03 | 52 | 0.15 | 10.25 | 124 | 2.1 | 0.016 |
| ZZ03184 | | 0.20 | 1.26 | 48 | 0.16 | 11.50 | 160 | 2.3 | 0.107 |
| ZZ03185 | | 0.10 | 1.49 | 30 | 0.16 | 11.25 | 499 | 2.5 | 0.073 |
| ZZ03186 | | 0.11 | 1.35 | 25 | 0.17 | 8.59 | 124 | 2.7 | 0.082 |
| ZZ03187 | | 0.14 | 1.53 | 38 | 0.13 | 12.95 | 112 | 1.8 | 0.032 |
| ZZ03188 | | 0.14 | 1.50 | 37 | 0.16 | 10.95 | 119 | 2.2 | 0.080 |
| ZZ03189 | | 0.17 | 1.45 | 35 | 0.16 | 12.15 | 134 | 5.2 | 0.056 |
| ZZ03190 | | 0.15 | 0.83 | 49 | 0.15 | 3.07 | 112 | <0.5 | 0.016 |
| ZZ03191 | | 0.23 | 1.52 | 45 | 0.14 | 7.59 | 88 | 1.9 | 0.021 |
| ZZ03192 | | 0.29 | 2.08 | 70 | 0.29 | 23.8 | 1100 | <0.5 | 0.013 |
| ZZ03193 | | 0.29 | 3.66 | 54 | 0.19 | 10.90 | 281 | 2.7 | 0.027 |
| ZZ03194 | | 0.40 | 6.78 | 53 | 0.22 | 14.85 | 5260 | 1.0 | 0.007 |
| ZZ03195 | | 0.18 | 1.18 | 41 | 0.18 | 10.40 | 118 | 1.2 | 0.014 |
| ZZ03196 | | 0.17 | 5.70 | 31 | 0.10 | 21.5 | 1120 | 1.5 | 0.007 |
| ZZ03197 | | 0.29 | 1.13 | 127 | 0.14 | 8.08 | 293 | 1.5 | 0.006 |
| ZZ03198 | | 0.18 | 2.53 | 51 | 0.16 | 12.65 | 209 | 2.0 | 0.005 |
| ZZ03199 | | 0.16 | 0.74 | 175 | 0.06 | 27.9 | 116 | 0.7 | 0.005 |
| ZZ03200 | | 0.17 | 0.78 | 58 | 0.19 | 3.38 | 103 | 2.5 | 0.022 |
| ZZ03201 | | 0.17 | 1.30 | 42 | 0.07 | 10.90 | 195 | 3.0 | 0.011 |
| ZZ03202 | | 0.19 | 0.92 | 37 | 0.07 | 9.20 | 170 | 3.6 | 0.003 |
| ZZ03203 | | 0.19 | 0.96 | 43 | 0.08 | 11.75 | 202 | 3.1 | 0.004 |
| ZZ03204 | | 0.20 | 1.14 | 36 | 0.12 | 11.00 | 163 | 7.5 | 0.046 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| ZZ03205 | | 0.31 | 0.32 | 1.52 | 101.5 | <0.02 | 10 | 270 | 0.67 | 1.67 | 2.64 | 0.80 | 40.4 | 13.4 | 24 | 1.06 |
| ZZ03206 | | 0.32 | 0.31 | 1.55 | 16.0 | <0.02 | 10 | 200 | 0.73 | 0.25 | 6.31 | 0.96 | 36.7 | 12.1 | 23 | 1.18 |
| ZZ03207 | | 0.16 | 0.24 | 2.16 | 94.8 | <0.02 | <10 | 360 | 0.55 | 0.39 | 1.50 | 0.38 | 18.65 | 11.9 | 25 | 3.06 |
| ZZ03208 | | 0.21 | 0.21 | 2.42 | 36.7 | <0.02 | <10 | 450 | 0.74 | 0.39 | 1.26 | 0.25 | 22.8 | 12.4 | 31 | 2.22 |
| ZZ03209 | | 0.28 | 0.26 | 1.19 | 31.3 | <0.02 | <10 | 230 | 0.41 | 1.03 | 1.06 | 0.31 | 38.3 | 13.6 | 22 | 0.84 |
| ZZ03210 | | 0.29 | 0.06 | 1.27 | 136.0 | <0.02 | <10 | 130 | 0.38 | 1.18 | 0.12 | 0.26 | 36.7 | 12.9 | 22 | 1.04 |
| ZZ03211 | | 0.29 | 0.21 | 2.00 | 118.5 | 0.89 | <10 | 320 | 0.94 | 1.19 | 0.05 | 0.20 | 46.3 | 16.7 | 29 | 1.30 |
| ZZ03212 | | 0.41 | 0.22 | 1.58 | 46.8 | <0.02 | <10 | 320 | 0.75 | 0.47 | 2.54 | 0.64 | 36.8 | 12.5 | 27 | 1.04 |
| ZZ03213 | | 0.32 | 0.25 | 1.72 | 56.7 | <0.02 | <10 | 290 | 0.84 | 0.57 | 1.51 | 0.59 | 38.2 | 12.0 | 29 | 1.10 |
| ZZ03214 | | 0.42 | 0.27 | 1.82 | 141.0 | <0.02 | 10 | 290 | 0.87 | 1.01 | 1.89 | 0.57 | 43.1 | 17.0 | 25 | 1.40 |
| ZZ03215 | | 0.30 | 0.08 | 0.70 | 44.0 | <0.02 | <10 | 110 | 0.21 | 0.79 | 0.14 | 0.80 | 25.9 | 7.7 | 15 | 1.06 |
| ZZ03216 | | 0.40 | 0.23 | 1.37 | 87.4 | <0.02 | 10 | 210 | 0.63 | 0.98 | 5.94 | 0.74 | 37.2 | 13.7 | 19 | 1.20 |
| ZZ03217 | | 0.23 | 0.66 | 1.71 | 94.7 | <0.02 | 10 | 310 | 0.78 | 1.09 | 0.58 | 0.61 | 44.0 | 17.8 | 26 | 1.31 |
| ZZ03218 | | 0.36 | 0.09 | 1.80 | 79.9 | <0.02 | <10 | 300 | 0.82 | 0.95 | 0.35 | 0.29 | 47.7 | 16.3 | 29 | 1.19 |
| ZZ03219 | | 0.25 | 0.33 | 1.54 | 77.0 | <0.02 | <10 | 280 | 0.77 | 1.25 | 0.82 | 0.37 | 36.8 | 11.1 | 23 | 0.85 |
| ZZ03220 | | 0.37 | 0.05 | 1.62 | 137.0 | <0.02 | <10 | 200 | 0.51 | 1.42 | 0.19 | 0.19 | 46.9 | 16.4 | 23 | 1.05 |
| ZZ03221 | | 0.27 | 0.20 | 1.17 | 242 | <0.02 | <10 | 230 | 0.38 | 1.69 | 0.21 | 0.29 | 30.2 | 12.0 | 22 | 0.73 |
| ZZ03222 | | 0.31 | 0.08 | 1.40 | 179.0 | <0.02 | <10 | 260 | 0.54 | 1.55 | 0.13 | 0.14 | 46.2 | 11.9 | 24 | 0.92 |
| ZZ03223 | | 0.35 | 0.31 | 0.70 | 1130 | 0.39 | <10 | 120 | 0.56 | 7.45 | 0.12 | 0.48 | 32.6 | 38.5 | 13 | 0.52 |
| ZZ03224 | | 0.31 | 0.13 | 1.52 | 208 | <0.02 | <10 | 210 | 0.50 | 1.22 | 0.21 | 0.17 | 31.4 | 12.6 | 28 | 0.95 |
| ZZ03225 | | 0.37 | 0.29 | 1.07 | 232 | <0.02 | <10 | 170 | 0.50 | 1.74 | 0.12 | 0.35 | 36.4 | 12.0 | 19 | 0.46 |
| ZZ03226 | | 0.41 | 0.09 | 1.56 | 156.0 | <0.02 | <10 | 410 | 0.68 | 1.57 | 0.27 | 0.18 | 40.3 | 13.1 | 24 | 1.36 |
| ZZ03227 | | 0.38 | 0.34 | 1.41 | 140.0 | <0.02 | <10 | 250 | 0.59 | 1.40 | 0.29 | 0.24 | 38.0 | 15.7 | 23 | 0.67 |
| ZZ03228 | | 0.34 | 0.15 | 1.13 | 124.5 | <0.02 | <10 | 200 | 0.47 | 4.95 | 0.49 | 0.13 | 46.4 | 18.3 | 19 | 0.81 |
| ZZ03229 | | 0.33 | 0.21 | 1.45 | 80.7 | <0.02 | <10 | 350 | 0.61 | 1.23 | 0.56 | 0.17 | 36.7 | 14.6 | 24 | 0.54 |
| ZZ03230 | | 0.35 | 0.18 | 1.54 | 118.5 | <0.02 | <10 | 360 | 0.62 | 1.68 | 0.40 | 0.26 | 46.1 | 22.5 | 23 | 0.85 |
| ZZ03231 | | 0.34 | 0.30 | 2.14 | 97.1 | <0.02 | <10 | 390 | 0.92 | 2.46 | 0.72 | 0.15 | 41.1 | 22.0 | 28 | 3.17 |
| ZZ03232 | | 0.33 | 0.34 | 1.92 | 57.2 | <0.02 | <10 | 370 | 0.70 | 1.48 | 0.82 | 0.17 | 30.9 | 14.8 | 30 | 1.73 |
| ZZ03233 | | 0.35 | 0.31 | 1.01 | 80.8 | <0.02 | <10 | 250 | 0.50 | 1.47 | 1.55 | 0.98 | 25.7 | 12.5 | 19 | 0.95 |
| ZZ03234 | | 0.41 | 0.37 | 1.24 | 108.5 | <0.02 | <10 | 260 | 0.55 | 1.80 | 0.81 | 0.74 | 31.9 | 13.1 | 24 | 1.01 |
| ZZ03235 | | 0.49 | 0.35 | 1.15 | 140.5 | <0.02 | 10 | 230 | 0.55 | 0.99 | 3.60 | 1.47 | 27.9 | 12.3 | 23 | 1.08 |
| ZZ03236 | | 0.35 | 0.31 | 1.09 | 64.1 | <0.02 | <10 | 210 | 0.51 | 1.38 | 2.68 | 0.85 | 25.6 | 10.6 | 21 | 0.89 |
| ZZ03237 | | 0.21 | 0.23 | 0.95 | 77.7 | <0.02 | <10 | 210 | 0.44 | 1.27 | 4.47 | 1.00 | 21.8 | 11.8 | 18 | 0.85 |
| ZZ03238 | | 0.35 | 0.31 | 1.00 | 64.2 | <0.02 | <10 | 270 | 0.47 | 0.71 | 6.66 | 1.51 | 23.1 | 11.5 | 20 | 0.88 |
| ZZ03451 | | 0.37 | 0.34 | 1.60 | 13.2 | <0.02 | <10 | 590 | 0.70 | 0.21 | 2.43 | 1.45 | 30.4 | 15.5 | 33 | 1.44 |
| ZZ03452 | | 0.18 | 0.53 | 1.79 | 18.3 | <0.02 | <10 | 610 | 0.71 | 0.33 | 1.11 | 1.31 | 32.4 | 15.7 | 35 | 1.29 |
| ZZ03453 | | 0.38 | 0.42 | 1.47 | 22.7 | <0.02 | 10 | 340 | 0.73 | 0.32 | 4.49 | 1.65 | 30.6 | 12.0 | 25 | 1.14 |
| ZZ03454 | | 0.32 | 0.42 | 1.62 | 18.1 | <0.02 | <10 | 420 | 0.68 | 0.45 | 0.59 | 0.75 | 33.1 | 12.0 | 29 | 1.15 |
| ZZ03455 | | 0.32 | 0.48 | 1.28 | 25.3 | <0.02 | 10 | 230 | 0.64 | 0.25 | 4.46 | 1.60 | 30.9 | 12.0 | 23 | 1.09 |
| ZZ03456 | | 0.23 | 0.65 | 1.83 | 17.5 | <0.02 | <10 | 470 | 0.52 | 0.41 | 0.47 | 0.66 | 55.6 | 8.9 | 32 | 1.82 |

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

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**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| ZZ03205 | | 46.5 | 3.78 | 4.60 | 0.08 | 0.06 | 0.07 | 0.034 | 0.20 | 20.5 | 15.0 | 1.45 | 899 | 3.06 | 0.01 | 0.56 |
| ZZ03206 | | 40.3 | 3.52 | 4.65 | 0.08 | 0.11 | 0.08 | 0.037 | 0.26 | 18.4 | 14.9 | 3.18 | 1160 | 2.65 | 0.01 | 0.29 |
| ZZ03207 | | 38.3 | 3.62 | 6.79 | 0.07 | 0.05 | 0.05 | 0.030 | 0.19 | 9.3 | 15.8 | 1.12 | 564 | 1.66 | 0.02 | 5.90 |
| ZZ03208 | | 41.3 | 3.77 | 7.82 | 0.07 | 0.04 | 0.06 | 0.033 | 0.16 | 13.4 | 16.0 | 1.02 | 415 | 1.51 | 0.02 | 8.78 |
| ZZ03209 | | 46.2 | 3.26 | 3.68 | 0.08 | 0.06 | 0.06 | 0.021 | 0.05 | 21.9 | 11.0 | 0.44 | 1280 | 3.16 | 0.01 | 0.83 |
| ZZ03210 | | 34.5 | 4.02 | 5.31 | 0.07 | <0.02 | 0.02 | 0.030 | 0.07 | 18.8 | 10.9 | 0.28 | 632 | 3.02 | <0.01 | 0.84 |
| ZZ03211 | | 76.7 | 4.81 | 5.20 | 0.08 | 0.03 | 0.07 | 0.038 | 0.18 | 23.6 | 14.9 | 0.51 | 782 | 4.51 | <0.01 | 0.54 |
| ZZ03212 | | 39.0 | 3.73 | 4.57 | 0.07 | 0.05 | 0.07 | 0.033 | 0.17 | 20.3 | 15.0 | 1.57 | 773 | 2.88 | 0.01 | 0.57 |
| ZZ03213 | | 54.7 | 3.88 | 4.85 | 0.10 | 0.04 | 0.13 | 0.038 | 0.17 | 22.0 | 17.0 | 1.37 | 762 | 2.98 | 0.01 | 0.56 |
| ZZ03214 | | 53.6 | 4.30 | 5.31 | 0.10 | 0.03 | 0.08 | 0.038 | 0.25 | 22.0 | 15.2 | 1.52 | 956 | 2.66 | 0.01 | 0.78 |
| ZZ03215 | | 20.8 | 3.00 | 4.51 | 0.05 | <0.02 | 0.01 | 0.017 | 0.06 | 13.8 | 3.8 | 0.16 | 394 | 2.67 | <0.01 | 0.65 |
| ZZ03216 | | 51.3 | 3.82 | 4.20 | 0.08 | 0.15 | 0.05 | 0.030 | 0.24 | 19.2 | 11.8 | 2.31 | 815 | 3.16 | 0.01 | 0.48 |
| ZZ03217 | | 79.3 | 4.72 | 4.94 | 0.10 | 0.10 | 0.08 | 0.035 | 0.27 | 23.7 | 13.8 | 0.73 | 929 | 4.36 | 0.01 | 0.71 |
| ZZ03218 | | 46.9 | 4.07 | 4.98 | 0.10 | 0.04 | 0.07 | 0.036 | 0.17 | 23.3 | 14.2 | 0.64 | 776 | 3.09 | 0.01 | 0.81 |
| ZZ03219 | | 83.4 | 4.11 | 4.65 | 0.08 | 0.02 | 0.05 | 0.035 | 0.14 | 20.5 | 11.2 | 0.54 | 427 | 2.63 | 0.01 | 0.50 |
| ZZ03220 | | 45.2 | 4.66 | 4.45 | 0.09 | <0.02 | 0.02 | 0.033 | 0.11 | 24.1 | 10.9 | 0.66 | 637 | 2.12 | <0.01 | 0.83 |
| ZZ03221 | | 29.3 | 4.25 | 4.58 | 0.06 | <0.02 | 0.01 | 0.023 | 0.12 | 15.8 | 8.6 | 0.29 | 785 | 1.85 | 0.01 | 0.35 |
| ZZ03222 | | 48.5 | 3.78 | 3.97 | 0.09 | 0.02 | 0.05 | 0.029 | 0.08 | 24.4 | 11.2 | 0.45 | 520 | 2.27 | 0.01 | 0.85 |
| ZZ03223 | | 215 | 11.90 | 2.62 | 0.13 | 0.04 | 0.02 | 0.035 | 0.09 | 17.8 | 2.5 | 0.10 | 781 | 5.79 | <0.01 | 0.40 |
| ZZ03224 | | 35.5 | 3.95 | 4.45 | 0.08 | 0.04 | 0.03 | 0.036 | 0.09 | 16.9 | 15.1 | 0.48 | 367 | 1.93 | <0.01 | 1.16 |
| ZZ03225 | | 32.9 | 4.44 | 3.95 | 0.07 | 0.02 | 0.01 | 0.024 | 0.07 | 19.5 | 10.0 | 0.21 | 367 | 3.78 | <0.01 | 0.58 |
| ZZ03226 | | 69.8 | 4.40 | 4.34 | 0.11 | 0.08 | 0.14 | 0.037 | 0.14 | 25.3 | 11.4 | 0.58 | 575 | 2.56 | 0.01 | 1.57 |
| ZZ03227 | | 75.9 | 4.94 | 3.91 | 0.11 | 0.04 | 0.06 | 0.038 | 0.13 | 20.9 | 11.7 | 0.47 | 498 | 2.63 | <0.01 | 1.33 |
| ZZ03228 | | 59.4 | 5.09 | 3.24 | 0.10 | 0.07 | 0.03 | 0.028 | 0.11 | 24.5 | 8.5 | 0.48 | 474 | 4.51 | <0.01 | 1.29 |
| ZZ03229 | | 46.5 | 3.81 | 4.43 | 0.08 | 0.04 | 0.02 | 0.032 | 0.10 | 19.0 | 11.2 | 0.53 | 630 | 2.29 | 0.01 | 1.56 |
| ZZ03230 | | 73.7 | 4.84 | 4.68 | 0.09 | 0.02 | 0.03 | 0.030 | 0.19 | 25.6 | 12.4 | 0.54 | 865 | 2.67 | 0.01 | 2.23 |
| ZZ03231 | | 152.5 | 5.79 | 6.13 | 0.14 | 0.07 | 0.03 | 0.048 | 0.49 | 24.8 | 17.4 | 1.01 | 578 | 2.87 | 0.01 | 4.76 |
| ZZ03232 | | 85.1 | 4.33 | 5.59 | 0.09 | 0.05 | 0.03 | 0.037 | 0.25 | 17.2 | 16.4 | 0.91 | 391 | 2.01 | 0.01 | 2.28 |
| ZZ03233 | | 53.9 | 2.98 | 2.97 | 0.06 | 0.05 | 0.07 | 0.030 | 0.14 | 13.6 | 9.7 | 0.70 | 941 | 2.81 | 0.01 | 0.86 |
| ZZ03234 | | 60.1 | 3.76 | 3.74 | 0.08 | 0.06 | 0.05 | 0.036 | 0.14 | 17.4 | 12.3 | 0.61 | 624 | 3.30 | 0.01 | 1.08 |
| ZZ03235 | | 46.0 | 3.45 | 3.31 | 0.07 | 0.08 | 0.08 | 0.036 | 0.19 | 14.9 | 12.3 | 2.00 | 610 | 5.15 | 0.01 | 0.53 |
| ZZ03236 | | 53.3 | 2.84 | 3.18 | 0.06 | 0.06 | 0.07 | 0.028 | 0.13 | 13.6 | 10.5 | 1.38 | 452 | 2.00 | 0.01 | 0.77 |
| ZZ03237 | | 44.5 | 2.96 | 2.77 | 0.06 | 0.06 | 0.05 | 0.026 | 0.12 | 11.3 | 8.8 | 1.41 | 507 | 1.69 | 0.01 | 0.86 |
| ZZ03238 | | 47.8 | 3.18 | 2.91 | 0.06 | 0.09 | 0.06 | 0.031 | 0.16 | 12.4 | 11.1 | 2.28 | 455 | 4.78 | 0.01 | 0.55 |
| ZZ03451 | | 38.7 | 3.88 | 5.03 | 0.08 | 0.05 | 0.07 | 0.040 | 0.14 | 15.2 | 15.8 | 1.75 | 888 | 2.04 | 0.02 | 0.77 |
| ZZ03452 | | 52.3 | 4.28 | 5.64 | 0.09 | 0.06 | 0.08 | 0.043 | 0.16 | 17.0 | 18.1 | 0.89 | 785 | 3.86 | 0.02 | 1.55 |
| ZZ03453 | | 53.1 | 3.45 | 4.29 | 0.08 | 0.06 | 0.10 | 0.055 | 0.21 | 16.3 | 15.1 | 2.38 | 675 | 3.40 | 0.01 | 0.42 |
| ZZ03454 | | 43.1 | 3.47 | 4.70 | 0.06 | 0.06 | 0.07 | 0.040 | 0.13 | 17.3 | 14.9 | 0.60 | 736 | 3.40 | 0.01 | 0.61 |
| ZZ03455 | | 62.7 | 3.48 | 3.79 | 0.07 | 0.11 | 0.08 | 0.046 | 0.23 | 16.5 | 11.9 | 2.51 | 712 | 5.02 | 0.01 | 0.43 |
| ZZ03456 | | 51.5 | 3.44 | 5.98 | 0.11 | <0.02 | 0.15 | 0.035 | 0.17 | 29.0 | 17.4 | 0.67 | 247 | 3.20 | 0.01 | 0.69 |

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**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| ZZ03205 | | 40.0 | 1090 | 30.3 | 12.8 | <0.001 | 0.01 | 1.67 | 4.2 | 1.1 | 0.5 | 37.4 | <0.01 | 0.06 | 3.6 | 0.021 |
| ZZ03206 | | 33.4 | 920 | 41.3 | 14.0 | 0.001 | <0.01 | 1.41 | 4.6 | 0.5 | 0.4 | 57.4 | <0.01 | 0.04 | 4.2 | 0.023 |
| ZZ03207 | | 24.1 | 1260 | 10.2 | 27.2 | 0.001 | 0.10 | 0.95 | 3.5 | 2.1 | 1.1 | 53.7 | <0.01 | 0.03 | 1.6 | 0.081 |
| ZZ03208 | | 26.7 | 1440 | 7.3 | 20.8 | 0.001 | 0.07 | 0.87 | 4.3 | 0.8 | 1.2 | 51.4 | 0.01 | 0.03 | 2.4 | 0.083 |
| ZZ03209 | | 37.7 | 1450 | 8.7 | 8.1 | 0.002 | 0.05 | 0.78 | 2.9 | 1.5 | 0.5 | 42.5 | <0.01 | 0.04 | 2.2 | 0.026 |
| ZZ03210 | | 26.8 | 1030 | 16.1 | 12.4 | 0.001 | 0.01 | 1.64 | 1.7 | 1.0 | 0.7 | 10.0 | 0.02 | 0.06 | 0.9 | 0.023 |
| ZZ03211 | | 49.5 | 740 | 28.4 | 13.6 | <0.001 | <0.01 | 1.81 | 4.7 | 1.3 | 0.7 | 5.9 | <0.01 | 0.08 | 3.0 | 0.013 |
| ZZ03212 | | 38.1 | 820 | 28.4 | 11.7 | <0.001 | <0.01 | 1.41 | 4.8 | 0.7 | 0.5 | 34.4 | <0.01 | 0.05 | 4.0 | 0.024 |
| ZZ03213 | | 44.3 | 670 | 34.8 | 12.2 | <0.001 | <0.01 | 1.58 | 6.1 | 0.6 | 0.5 | 20.5 | <0.01 | 0.05 | 4.4 | 0.020 |
| ZZ03214 | | 41.4 | 980 | 39.4 | 17.4 | 0.001 | <0.01 | 1.78 | 4.8 | 0.8 | 0.7 | 25.6 | <0.01 | 0.05 | 4.3 | 0.026 |
| ZZ03215 | | 15.2 | 640 | 8.6 | 18.0 | <0.001 | <0.01 | 0.88 | 1.0 | 0.3 | 0.6 | 7.3 | <0.01 | 0.03 | 0.4 | 0.028 |
| ZZ03216 | | 35.7 | 1100 | 25.3 | 14.3 | 0.001 | <0.01 | 1.71 | 4.1 | 0.8 | 0.5 | 56.4 | <0.01 | 0.06 | 4.9 | 0.033 |
| ZZ03217 | | 50.4 | 1270 | 28.5 | 16.2 | 0.001 | <0.01 | 2.32 | 5.1 | 1.3 | 0.6 | 19.2 | <0.01 | 0.08 | 5.6 | 0.031 |
| ZZ03218 | | 42.5 | 910 | 24.4 | 13.6 | <0.001 | <0.01 | 1.45 | 4.3 | 1.0 | 0.6 | 15.9 | <0.01 | 0.06 | 3.7 | 0.026 |
| ZZ03219 | | 40.7 | 1290 | 16.9 | 11.5 | <0.001 | 0.01 | 2.93 | 1.6 | 1.1 | 0.6 | 21.2 | <0.01 | 0.05 | 0.6 | 0.008 |
| ZZ03220 | | 47.1 | 950 | 6.5 | 11.1 | <0.001 | 0.02 | 1.54 | 2.5 | 0.5 | 1.0 | 21.4 | <0.01 | 0.05 | 5.2 | 0.023 |
| ZZ03221 | | 33.4 | 1000 | 8.2 | 16.2 | <0.001 | 0.02 | 0.66 | 0.8 | 0.3 | 1.0 | 15.4 | <0.01 | 0.05 | 0.2 | 0.013 |
| ZZ03222 | | 41.2 | 540 | 11.2 | 9.5 | <0.001 | <0.01 | 1.18 | 3.9 | 1.0 | 0.8 | 11.1 | <0.01 | 0.04 | 4.5 | 0.031 |
| ZZ03223 | | 157.0 | 2540 | 12.0 | 9.4 | 0.001 | 0.04 | 2.75 | 2.7 | 2.6 | 1.0 | 14.9 | <0.01 | 0.22 | 7.5 | 0.012 |
| ZZ03224 | | 38.1 | 910 | 12.2 | 11.6 | <0.001 | 0.02 | 1.15 | 3.1 | 0.8 | 0.8 | 15.8 | <0.01 | 0.06 | 4.5 | 0.031 |
| ZZ03225 | | 42.4 | 1970 | 7.0 | 9.1 | <0.001 | 0.01 | 0.92 | 2.0 | 0.6 | 0.8 | 8.6 | <0.01 | 0.04 | 3.9 | 0.016 |
| ZZ03226 | | 46.6 | 830 | 12.6 | 11.8 | <0.001 | 0.01 | 1.87 | 6.1 | 0.5 | 0.9 | 16.4 | <0.01 | 0.06 | 5.3 | 0.043 |
| ZZ03227 | | 46.1 | 1190 | 18.1 | 10.3 | <0.001 | 0.03 | 3.28 | 4.5 | 0.8 | 0.7 | 22.9 | <0.01 | 0.07 | 4.5 | 0.026 |
| ZZ03228 | | 54.8 | 1430 | 6.8 | 10.1 | <0.001 | 0.02 | 1.33 | 3.4 | 1.0 | 0.8 | 19.9 | <0.01 | 0.10 | 4.7 | 0.028 |
| ZZ03229 | | 39.8 | 820 | 10.5 | 10.0 | <0.001 | 0.01 | 1.18 | 3.7 | 0.8 | 0.7 | 23.4 | <0.01 | 0.02 | 3.5 | 0.025 |
| ZZ03230 | | 42.4 | 1040 | 8.9 | 13.9 | <0.001 | 0.06 | 1.59 | 3.4 | 0.7 | 1.2 | 24.6 | <0.01 | 0.05 | 3.9 | 0.032 |
| ZZ03231 | | 56.9 | 1450 | 8.2 | 44.2 | <0.001 | 0.09 | 1.46 | 4.6 | 0.4 | 1.9 | 41.7 | <0.01 | 0.08 | 6.6 | 0.079 |
| ZZ03232 | | 46.0 | 1200 | 9.1 | 27.1 | <0.001 | 0.08 | 1.16 | 3.9 | 1.0 | 1.1 | 46.0 | <0.01 | 0.06 | 4.0 | 0.054 |
| ZZ03233 | | 45.8 | 1210 | 20.9 | 11.3 | 0.002 | 0.06 | 1.66 | 3.0 | 1.6 | 0.5 | 41.9 | <0.01 | 0.07 | 2.4 | 0.023 |
| ZZ03234 | | 49.4 | 1350 | 18.2 | 11.9 | <0.001 | 0.03 | 1.85 | 3.5 | 1.1 | 0.6 | 32.0 | <0.01 | 0.06 | 3.1 | 0.030 |
| ZZ03235 | | 47.6 | 1340 | 23.0 | 11.1 | 0.002 | 0.03 | 2.20 | 3.6 | 1.7 | 0.5 | 51.2 | <0.01 | 0.07 | 3.2 | 0.016 |
| ZZ03236 | | 36.0 | 1290 | 18.7 | 10.4 | 0.002 | 0.06 | 1.53 | 2.8 | 1.5 | 0.5 | 43.5 | <0.01 | 0.06 | 2.0 | 0.020 |
| ZZ03237 | | 36.5 | 1160 | 13.6 | 9.8 | 0.006 | 0.11 | 1.51 | 2.4 | 2.6 | 0.5 | 65.0 | <0.01 | 0.06 | 2.4 | 0.021 |
| ZZ03238 | | 44.0 | 1130 | 18.9 | 9.1 | 0.001 | 0.03 | 2.15 | 3.1 | 1.5 | 0.4 | 94.4 | <0.01 | 0.05 | 3.1 | 0.017 |
| ZZ03451 | | 44.2 | 1150 | 28.7 | 14.2 | <0.001 | 0.03 | 1.35 | 5.0 | 1.1 | 0.4 | 33.3 | <0.01 | 0.03 | 2.1 | 0.037 |
| ZZ03452 | | 56.3 | 1510 | 26.7 | 12.2 | 0.001 | 0.04 | 1.98 | 4.8 | 1.6 | 0.6 | 35.7 | <0.01 | 0.05 | 2.5 | 0.048 |
| ZZ03453 | | 43.0 | 1140 | 32.2 | 12.8 | <0.001 | 0.01 | 2.28 | 4.3 | 1.0 | 0.6 | 49.0 | <0.01 | 0.05 | 3.5 | 0.020 |
| ZZ03454 | | 38.3 | 1440 | 22.3 | 13.3 | <0.001 | 0.02 | 1.36 | 3.3 | 0.9 | 0.6 | 27.5 | <0.01 | 0.05 | 2.0 | 0.025 |
| ZZ03455 | | 47.5 | 1210 | 28.3 | 12.4 | 0.001 | 0.01 | 2.57 | 3.7 | 1.0 | 0.5 | 48.8 | <0.01 | 0.05 | 4.1 | 0.018 |
| ZZ03456 | | 35.6 | 1560 | 13.9 | 16.7 | 0.002 | 0.08 | 1.45 | 3.0 | 1.8 | 0.7 | 36.0 | <0.01 | 0.04 | 1.1 | 0.040 |

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

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**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| ZZ03205 | | 0.19 | 0.94 | 42 | 0.15 | 11.90 | 143 | 2.4 | 0.112 |
| ZZ03206 | | 0.19 | 0.78 | 39 | 0.08 | 11.00 | 164 | 5.6 | 0.015 |
| ZZ03207 | | 0.25 | 2.78 | 58 | 0.13 | 6.67 | 77 | 1.8 | 0.005 |
| ZZ03208 | | 0.19 | 2.21 | 64 | 0.20 | 7.77 | 64 | 1.5 | 0.008 |
| ZZ03209 | | 0.10 | 3.96 | 35 | 0.13 | 11.85 | 67 | 2.3 | 0.014 |
| ZZ03210 | | 0.14 | 0.90 | 52 | 0.31 | 4.48 | 78 | <0.5 | 0.012 |
| ZZ03211 | | 0.23 | 1.76 | 56 | 0.12 | 10.15 | 121 | 0.7 | 0.018 |
| ZZ03212 | | 0.18 | 0.93 | 47 | 0.14 | 13.35 | 128 | 1.9 | 0.006 |
| ZZ03213 | | 0.18 | 0.87 | 47 | 0.14 | 17.90 | 140 | 1.7 | 0.008 |
| ZZ03214 | | 0.23 | 0.96 | 47 | 0.10 | 11.55 | 168 | 1.5 | 0.023 |
| ZZ03215 | | 0.11 | 0.57 | 46 | 0.16 | 1.72 | 76 | <0.5 | 0.002 |
| ZZ03216 | | 0.15 | 1.00 | 36 | 0.09 | 8.87 | 127 | 8.6 | 0.017 |
| ZZ03217 | | 0.21 | 1.16 | 47 | 0.11 | 13.75 | 145 | 5.8 | 0.047 |
| ZZ03218 | | 0.18 | 1.60 | 50 | 0.16 | 10.75 | 123 | 1.2 | 0.013 |
| ZZ03219 | | 0.09 | 1.49 | 41 | 0.16 | 11.35 | 97 | 0.5 | 0.013 |
| ZZ03220 | | 0.20 | 0.96 | 35 | 0.11 | 5.98 | 53 | 0.6 | 0.011 |
| ZZ03221 | | 0.14 | 0.85 | 43 | 0.19 | 3.51 | 87 | <0.5 | 0.019 |
| ZZ03222 | | 0.13 | 1.91 | 40 | 0.20 | 8.27 | 71 | 0.7 | 0.050 |
| ZZ03223 | | 0.16 | 1.93 | 31 | 0.36 | 7.52 | 60 | 2.7 | 0.354 |
| ZZ03224 | | 0.13 | 0.98 | 46 | 0.26 | 5.17 | 72 | 2.1 | 0.016 |
| ZZ03225 | | 0.14 | 0.72 | 35 | 0.19 | 3.15 | 68 | 1.2 | 0.078 |
| ZZ03226 | | 0.22 | 1.78 | 47 | 0.28 | 16.65 | 85 | 5.1 | 0.025 |
| ZZ03227 | | 0.18 | 1.33 | 41 | 0.46 | 13.55 | 107 | 2.4 | 0.046 |
| ZZ03228 | | 0.14 | 1.38 | 30 | 0.13 | 7.97 | 49 | 4.0 | 0.035 |
| ZZ03229 | | 0.14 | 0.83 | 42 | 0.18 | 7.54 | 62 | 2.1 | 0.012 |
| ZZ03230 | | 0.19 | 1.24 | 43 | 0.20 | 7.86 | 63 | 1.2 | 0.021 |
| ZZ03231 | | 0.38 | 1.16 | 52 | 0.21 | 12.50 | 59 | 4.2 | 0.013 |
| ZZ03232 | | 0.20 | 1.13 | 49 | 0.15 | 8.78 | 64 | 2.3 | 0.015 |
| ZZ03233 | | 0.16 | 2.13 | 31 | 1.56 | 10.05 | 102 | 2.7 | 0.038 |
| ZZ03234 | | 0.19 | 0.93 | 39 | 0.28 | 10.15 | 115 | 2.4 | 0.051 |
| ZZ03235 | | 0.23 | 1.03 | 41 | 0.12 | 9.34 | 159 | 3.7 | 0.019 |
| ZZ03236 | | 0.16 | 0.67 | 34 | 0.14 | 8.73 | 99 | 2.2 | 0.017 |
| ZZ03237 | | 0.17 | 0.62 | 30 | 0.13 | 6.93 | 85 | 2.6 | 0.017 |
| ZZ03238 | | 0.22 | 0.77 | 37 | 0.16 | 8.12 | 140 | 4.0 | 0.011 |
| ZZ03451 | | 0.27 | 0.83 | 54 | 0.09 | 12.30 | 198 | 1.6 | 0.002 |
| ZZ03452 | | 0.23 | 1.56 | 58 | 0.12 | 13.50 | 301 | 2.0 | 0.014 |
| ZZ03453 | | 0.25 | 0.89 | 46 | 0.09 | 11.10 | 190 | 2.6 | 0.006 |
| ZZ03454 | | 0.22 | 1.93 | 50 | 0.11 | 10.00 | 163 | 1.8 | 0.004 |
| ZZ03455 | | 0.23 | 1.04 | 40 | 0.08 | 10.40 | 200 | 5.6 | 0.012 |
| ZZ03456 | | 0.60 | 4.19 | 51 | 0.14 | 13.10 | 131 | 0.5 | 0.006 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| ZZ03457 | | 0.43 | 0.42 | 1.84 | 46.9 | <0.02 | <10 | 290 | 0.86 | 0.52 | 0.48 | 0.43 | 43.4 | 14.0 | 28 | 1.26 |
| ZZ03458 | | 0.36 | 0.28 | 1.95 | 79.3 | <0.02 | <10 | 200 | 0.89 | 0.86 | 0.33 | 0.43 | 49.4 | 18.1 | 28 | 1.27 |
| ZZ03459 | | 0.39 | 0.18 | 1.38 | 151.0 | <0.02 | <10 | 230 | 0.61 | 1.16 | 0.39 | 0.33 | 43.7 | 14.2 | 24 | 0.96 |
| ZZ03460 | | 0.22 | 0.21 | 1.55 | 55.3 | <0.02 | <10 | 90 | 0.45 | 0.70 | 0.10 | 0.19 | 28.5 | 8.6 | 23 | 1.05 |
| ZZ03461 | | 0.30 | 0.32 | 1.88 | 158.0 | 0.02 | <10 | 110 | 0.52 | 2.47 | 0.05 | 0.19 | 23.8 | 10.1 | 28 | 0.96 |
| ZZ03462 | | 0.33 | 0.08 | 1.92 | 42.3 | <0.02 | <10 | 150 | 0.73 | 0.57 | 0.07 | 0.30 | 40.0 | 26.1 | 28 | 1.00 |
| ZZ03463 | | 0.25 | 0.27 | 0.49 | 45.5 | <0.02 | <10 | 230 | 0.40 | 0.26 | 2.78 | 0.67 | 16.15 | 12.3 | 8 | 0.28 |
| ZZ03464 | | 0.23 | 0.11 | 2.07 | 144.5 | <0.02 | <10 | 200 | 0.74 | 0.52 | 0.09 | 0.26 | 60.9 | 13.2 | 27 | 2.43 |
| ZZ03465 | | 0.33 | 0.13 | 1.18 | 123.5 | <0.02 | <10 | 140 | 0.46 | 3.72 | 0.13 | 0.41 | 25.0 | 22.3 | 19 | 0.89 |
| ZZ03466 | | 0.31 | 0.26 | 1.46 | 2630 | 0.09 | <10 | 340 | 0.61 | 3.66 | 0.10 | 0.36 | 24.8 | 30.9 | 22 | 0.64 |
| ZZ03467 | | 0.31 | 0.65 | 1.95 | 44.2 | <0.02 | <10 | 150 | 0.45 | 0.31 | 0.14 | 0.51 | 26.1 | 10.1 | 28 | 1.06 |
| ZZ03468 | | 0.36 | 0.57 | 0.87 | 122.0 | <0.02 | <10 | 290 | 0.39 | 1.46 | 0.23 | 0.32 | 39.5 | 17.9 | 16 | 0.52 |
| ZZ03469 | | 0.28 | 0.20 | 1.07 | 96.7 | <0.02 | <10 | 520 | 0.44 | 1.45 | 0.35 | 0.20 | 44.7 | 14.8 | 18 | 0.50 |
| ZZ03470 | | 0.38 | 0.45 | 1.63 | 44.3 | <0.02 | <10 | 330 | 0.73 | 0.71 | 0.81 | 0.60 | 33.4 | 13.1 | 25 | 1.00 |
| ZZ03471 | | 0.27 | 0.42 | 1.69 | 45.4 | <0.02 | <10 | 390 | 0.70 | 0.91 | 1.01 | 0.71 | 29.6 | 13.7 | 27 | 1.03 |
| ZZ03472 | | 0.30 | 0.29 | 1.46 | 118.5 | <0.02 | 10 | 270 | 0.60 | 1.33 | 4.60 | 0.91 | 34.9 | 14.6 | 20 | 1.51 |
| ZZ03473 | | 0.13 | 0.30 | 1.13 | 113.0 | <0.02 | <10 | 290 | 0.43 | 1.15 | 1.74 | 0.41 | 22.9 | 13.2 | 19 | 0.69 |
| ZZ03474 | | 0.26 | 0.29 | 1.06 | 146.0 | <0.02 | <10 | 190 | 0.47 | 1.23 | 2.25 | 0.59 | 24.5 | 13.0 | 18 | 0.66 |
| ZZ03475 | | 0.29 | 0.23 | 1.20 | 162.0 | <0.02 | <10 | 220 | 0.45 | 1.46 | 0.82 | 0.60 | 37.2 | 15.6 | 20 | 1.06 |
| ZZ03476 | | 0.41 | 0.19 | 1.18 | 252 | <0.02 | <10 | 160 | 0.36 | 1.31 | 0.18 | 0.38 | 30.6 | 11.7 | 21 | 0.72 |
| ZZ03477 | | 0.32 | 0.28 | 0.95 | 135.0 | 0.02 | 10 | 260 | 0.39 | 2.53 | 7.18 | 1.84 | 24.0 | 10.7 | 17 | 0.92 |
| ZZ03478 | | 0.30 | 0.35 | 1.42 | 172.0 | 0.02 | <10 | 370 | 0.58 | 2.47 | 0.79 | 0.78 | 35.6 | 14.2 | 25 | 0.90 |
| ZZ03479 | | 0.31 | 0.29 | 1.50 | 191.5 | <0.02 | <10 | 240 | 0.43 | 1.44 | 0.85 | 0.36 | 37.4 | 14.8 | 22 | 1.59 |
| ZZ03480 | | 0.22 | 0.26 | 0.95 | 87.5 | <0.02 | <10 | 180 | 0.35 | 1.28 | 2.43 | 0.42 | 25.2 | 12.4 | 15 | 0.70 |
| ZZ03481 | | 0.29 | 0.29 | 1.48 | 75.5 | <0.02 | <10 | 250 | 0.53 | 1.30 | 1.31 | 0.20 | 28.5 | 13.6 | 23 | 1.00 |
| ZZ03482 | | 0.35 | 0.33 | 1.29 | 211 | 0.04 | <10 | 190 | 0.52 | 3.50 | 1.35 | 0.17 | 66.6 | 22.7 | 17 | 1.25 |
| ZZ03483 | | 0.28 | 0.28 | 1.33 | 16.3 | <0.02 | 10 | 330 | 0.67 | 0.28 | 4.70 | 0.79 | 25.2 | 13.5 | 24 | 1.04 |
| ZZ03484 | | 0.34 | 0.34 | 1.60 | 19.9 | <0.02 | 10 | 360 | 0.74 | 0.33 | 1.81 | 0.72 | 30.3 | 15.6 | 28 | 1.00 |
| ZZ03485 | | 0.26 | 0.30 | 1.58 | 14.6 | <0.02 | 10 | 340 | 0.96 | 0.27 | 4.36 | 0.80 | 23.9 | 15.1 | 27 | 1.43 |
| ZZ03486 | | 0.29 | 0.30 | 1.38 | 21.5 | <0.02 | 10 | 370 | 0.78 | 0.27 | 3.26 | 0.87 | 23.0 | 14.6 | 24 | 0.84 |
| ZZ03487 | | 0.31 | 0.12 | 1.20 | 12.4 | <0.02 | <10 | 230 | 0.53 | 0.20 | 6.40 | 0.53 | 21.1 | 12.0 | 20 | 0.74 |
| ZZ03488 | | 0.37 | 0.23 | 1.43 | 14.8 | <0.02 | 10 | 310 | 0.75 | 0.23 | 5.97 | 0.67 | 23.9 | 13.9 | 24 | 1.22 |
| ZZ03489 | | 0.35 | 0.12 | 1.21 | 12.9 | <0.02 | <10 | 240 | 0.50 | 0.17 | 6.48 | 0.46 | 22.3 | 12.8 | 21 | 0.72 |
| ZZ03490 | | 0.37 | 0.19 | 1.42 | 14.9 | <0.02 | <10 | 270 | 0.73 | 0.22 | 5.35 | 0.58 | 24.2 | 13.5 | 23 | 1.00 |
| ZZ03491 | | 0.25 | 0.12 | 1.11 | 10.6 | <0.02 | <10 | 90 | 0.43 | 0.14 | 9.24 | 0.46 | 16.90 | 10.6 | 18 | 0.65 |
| ZZ03492 | | 0.36 | 0.12 | 1.19 | 12.2 | <0.02 | <10 | 250 | 0.55 | 0.17 | 7.52 | 0.53 | 21.6 | 12.4 | 20 | 0.77 |
| ZZ03493 | | 0.35 | 0.17 | 1.23 | 12.6 | <0.02 | <10 | 150 | 0.54 | 0.17 | 7.75 | 0.57 | 19.90 | 12.6 | 21 | 0.72 |
| ZZ03494 | | 0.32 | 0.22 | 1.61 | 76.7 | <0.02 | <10 | 290 | 0.75 | 0.51 | 0.38 | 0.38 | 26.8 | 18.2 | 26 | 1.11 |
| ZZ03495 | | 0.36 | 0.73 | 1.64 | 124.5 | 0.02 | <10 | 290 | 0.74 | 2.01 | 0.63 | 0.45 | 26.5 | 19.6 | 27 | 1.29 |
| ZZ03496 | | 0.30 | 0.21 | 2.09 | 19.3 | <0.02 | 10 | 230 | 0.88 | 0.27 | 2.84 | 0.54 | 30.2 | 18.1 | 32 | 1.08 |

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

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**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| ZZ03457 | | 52.8 | 3.90 | 5.09 | 0.08 | 0.05 | 0.10 | 0.035 | 0.15 | 22.2 | 15.1 | 0.63 | 832 | 2.55 | 0.01 | 0.69 |
| ZZ03458 | | 82.2 | 4.25 | 4.92 | 0.09 | 0.06 | 0.12 | 0.039 | 0.17 | 23.6 | 15.5 | 0.57 | 646 | 3.38 | 0.01 | 0.77 |
| ZZ03459 | | 48.6 | 3.85 | 4.28 | 0.10 | 0.03 | 0.07 | 0.032 | 0.11 | 23.7 | 12.5 | 0.51 | 708 | 3.22 | 0.01 | 0.62 |
| ZZ03460 | | 17.4 | 2.60 | 5.08 | 0.06 | <0.02 | 0.03 | 0.021 | 0.04 | 14.1 | 13.8 | 0.26 | 239 | 1.49 | 0.01 | 0.64 |
| ZZ03461 | | 19.8 | 3.94 | 4.74 | 0.05 | 0.03 | 0.05 | 0.032 | 0.04 | 11.8 | 15.6 | 0.28 | 398 | 2.84 | <0.01 | 0.85 |
| ZZ03462 | | 84.4 | 4.22 | 4.13 | 0.07 | 0.04 | 0.09 | 0.029 | 0.09 | 17.6 | 14.2 | 0.40 | 973 | 4.08 | <0.01 | 0.68 |
| ZZ03463 | | 78.2 | 6.90 | 1.27 | 0.07 | 0.04 | 0.04 | 0.023 | 0.02 | 8.7 | 3.2 | 1.13 | 5050 | 0.86 | <0.01 | 0.14 |
| ZZ03464 | | 23.2 | 6.07 | 6.49 | 0.11 | <0.02 | 0.01 | 0.048 | 0.15 | 27.3 | 13.3 | 0.75 | 862 | 0.97 | <0.01 | 1.18 |
| ZZ03465 | | 48.9 | 5.70 | 4.56 | 0.08 | <0.02 | 0.01 | 0.024 | 0.04 | 12.2 | 9.0 | 0.17 | 777 | 7.65 | <0.01 | 0.73 |
| ZZ03466 | | 55.0 | 10.75 | 3.81 | 0.13 | 0.02 | 0.03 | 0.032 | 0.06 | 11.3 | 11.6 | 0.23 | 1760 | 6.08 | 0.03 | 0.56 |
| ZZ03467 | | 23.3 | 3.14 | 6.68 | 0.06 | 0.02 | 0.03 | 0.039 | 0.05 | 13.9 | 17.5 | 0.41 | 366 | 1.51 | 0.01 | 0.93 |
| ZZ03468 | | 88.9 | 5.26 | 2.59 | 0.09 | 0.02 | 0.06 | 0.038 | 0.08 | 22.5 | 6.8 | 0.21 | 1200 | 9.66 | <0.01 | 0.29 |
| ZZ03469 | | 56.9 | 5.49 | 3.28 | 0.10 | 0.02 | 0.05 | 0.062 | 0.06 | 26.6 | 7.3 | 0.19 | 1700 | 7.68 | <0.01 | 0.26 |
| ZZ03470 | | 48.3 | 3.76 | 5.31 | 0.08 | 0.03 | 0.05 | 0.041 | 0.14 | 18.1 | 14.1 | 0.61 | 860 | 3.71 | 0.01 | 0.65 |
| ZZ03471 | | 56.4 | 3.60 | 4.95 | 0.05 | 0.09 | 0.06 | 0.043 | 0.15 | 15.7 | 12.6 | 0.60 | 752 | 2.87 | 0.02 | 0.75 |
| ZZ03472 | | 68.0 | 4.03 | 4.15 | 0.06 | 0.12 | 0.04 | 0.034 | 0.24 | 18.4 | 12.2 | 2.43 | 619 | 4.13 | 0.02 | 0.77 |
| ZZ03473 | | 53.2 | 3.37 | 3.13 | <0.05 | 0.08 | 0.05 | 0.029 | 0.12 | 12.6 | 9.3 | 0.52 | 664 | 2.77 | 0.02 | 0.84 |
| ZZ03474 | | 52.7 | 3.38 | 3.10 | 0.05 | 0.06 | 0.05 | 0.030 | 0.13 | 12.9 | 9.1 | 0.96 | 610 | 2.27 | 0.02 | 0.77 |
| ZZ03475 | | 52.3 | 3.89 | 3.51 | 0.06 | 0.06 | 0.04 | 0.031 | 0.18 | 19.3 | 8.9 | 0.56 | 672 | 2.56 | 0.02 | 1.58 |
| ZZ03476 | | 51.6 | 3.90 | 4.72 | <0.05 | <0.02 | 0.02 | 0.028 | 0.10 | 16.2 | 11.9 | 0.37 | 327 | 2.49 | 0.01 | 0.87 |
| ZZ03477 | | 44.1 | 3.10 | 2.78 | 0.06 | 0.16 | 0.05 | 0.035 | 0.18 | 13.0 | 8.9 | 2.61 | 683 | 3.66 | 0.02 | 0.32 |
| ZZ03478 | | 53.5 | 3.85 | 4.00 | 0.06 | 0.07 | 0.06 | 0.053 | 0.17 | 19.1 | 11.2 | 0.61 | 651 | 3.22 | 0.02 | 0.85 |
| ZZ03479 | | 33.7 | 4.45 | 4.29 | 0.06 | 0.05 | 0.04 | 0.038 | 0.27 | 19.5 | 10.7 | 0.68 | 573 | 1.35 | 0.02 | 3.42 |
| ZZ03480 | | 57.5 | 3.10 | 2.70 | 0.05 | 0.06 | 0.05 | 0.022 | 0.13 | 13.4 | 6.7 | 0.53 | 578 | 0.96 | 0.02 | 2.36 |
| ZZ03481 | | 53.5 | 3.79 | 4.32 | 0.06 | 0.05 | 0.04 | 0.037 | 0.14 | 15.8 | 12.7 | 0.62 | 541 | 1.47 | 0.02 | 4.07 |
| ZZ03482 | | 111.0 | 5.79 | 3.94 | 0.11 | 0.09 | 0.06 | 0.052 | 0.22 | 38.3 | 7.7 | 0.62 | 806 | 3.68 | 0.01 | 3.20 |
| ZZ03483 | | 49.2 | 3.48 | 3.88 | 0.05 | 0.07 | 0.12 | 0.033 | 0.11 | 12.3 | 20.3 | 1.72 | 624 | 1.63 | 0.02 | 0.31 |
| ZZ03484 | | 65.3 | 3.92 | 4.86 | 0.05 | 0.10 | 0.12 | 0.034 | 0.12 | 15.1 | 24.6 | 1.09 | 729 | 1.73 | 0.02 | 0.42 |
| ZZ03485 | | 50.5 | 3.69 | 4.75 | 0.05 | 0.13 | 0.13 | 0.034 | 0.16 | 11.6 | 26.4 | 1.61 | 565 | 1.66 | 0.02 | 0.41 |
| ZZ03486 | | 56.5 | 3.59 | 4.21 | 0.05 | 0.09 | 0.11 | 0.032 | 0.11 | 11.3 | 22.8 | 1.22 | 618 | 2.07 | 0.02 | 0.37 |
| ZZ03487 | | 41.2 | 3.12 | 3.73 | 0.05 | 0.07 | 0.07 | 0.025 | 0.06 | 9.9 | 22.0 | 2.47 | 547 | 0.98 | 0.02 | 0.22 |
| ZZ03488 | | 49.2 | 3.62 | 4.38 | 0.05 | 0.08 | 0.11 | 0.032 | 0.12 | 11.3 | 24.9 | 2.07 | 576 | 1.55 | 0.02 | 0.27 |
| ZZ03489 | | 47.9 | 3.32 | 3.85 | 0.05 | 0.09 | 0.07 | 0.026 | 0.06 | 10.5 | 24.0 | 2.51 | 521 | 1.17 | 0.02 | 0.15 |
| ZZ03490 | | 47.7 | 3.73 | 4.42 | 0.05 | 0.08 | 0.09 | 0.031 | 0.10 | 11.3 | 25.1 | 1.96 | 625 | 1.36 | 0.02 | 0.27 |
| ZZ03491 | | 43.4 | 3.11 | 3.53 | 0.07 | 0.07 | 0.29 | 0.022 | 0.04 | 8.2 | 23.3 | 3.31 | 435 | 0.94 | 0.01 | 0.10 |
| ZZ03492 | | 47.8 | 3.29 | 3.86 | 0.06 | 0.11 | 0.09 | 0.025 | 0.06 | 10.3 | 23.6 | 2.61 | 565 | 1.15 | 0.02 | 0.13 |
| ZZ03493 | | 50.7 | 3.40 | 3.84 | 0.05 | 0.06 | 0.09 | 0.026 | 0.06 | 9.6 | 24.6 | 3.11 | 629 | 1.22 | 0.02 | 0.13 |
| ZZ03494 | | 91.4 | 4.94 | 4.26 | 0.05 | 0.07 | 0.07 | 0.038 | 0.10 | 14.2 | 18.6 | 0.54 | 860 | 3.65 | 0.02 | 0.42 |
| ZZ03495 | | 110.5 | 5.24 | 4.50 | 0.06 | 0.07 | 0.09 | 0.042 | 0.11 | 15.1 | 18.0 | 0.68 | 768 | 4.80 | 0.02 | 1.30 |
| ZZ03496 | | 75.0 | 4.88 | 6.50 | 0.06 | 0.12 | 0.13 | 0.038 | 0.13 | 14.1 | 38.3 | 1.38 | 545 | 1.03 | 0.02 | 0.27 |

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

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**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| ZZ03457 | | 42.4 | 1130 | 29.5 | 12.4 | <0.001 | 0.02 | 1.68 | 5.0 | 0.9 | 0.6 | 22.3 | <0.01 | 0.06 | 3.3 | 0.026 |
| ZZ03458 | | 47.8 | 1160 | 26.2 | 14.0 | <0.001 | 0.02 | 2.14 | 5.1 | 1.2 | 0.7 | 18.4 | <0.01 | 0.06 | 4.2 | 0.025 |
| ZZ03459 | | 44.0 | 1220 | 22.4 | 9.1 | <0.001 | 0.01 | 1.83 | 4.3 | 0.6 | 0.6 | 22.5 | <0.01 | 0.06 | 4.2 | 0.033 |
| ZZ03460 | | 18.2 | 810 | 12.1 | 8.8 | <0.001 | 0.02 | 0.78 | 1.0 | 0.5 | 0.6 | 8.9 | <0.01 | 0.05 | 0.2 | 0.022 |
| ZZ03461 | | 34.0 | 700 | 12.3 | 8.0 | <0.001 | 0.02 | 0.99 | 2.0 | 1.4 | 0.7 | 6.3 | 0.01 | 0.06 | 1.5 | 0.020 |
| ZZ03462 | | 59.8 | 740 | 20.9 | 10.5 | <0.001 | 0.02 | 1.85 | 3.4 | 1.4 | 0.5 | 6.6 | <0.01 | 0.07 | 3.2 | 0.021 |
| ZZ03463 | | 38.7 | 1530 | 4.0 | 2.9 | <0.001 | 0.02 | 0.64 | 4.3 | 0.7 | <0.2 | 142.0 | 0.01 | 0.05 | 3.2 | 0.006 |
| ZZ03464 | | 25.1 | 990 | 4.8 | 27.9 | <0.001 | 0.04 | 0.88 | 2.0 | <0.2 | 1.6 | 6.8 | <0.01 | 0.02 | 0.8 | 0.049 |
| ZZ03465 | | 45.9 | 1660 | 12.0 | 9.8 | 0.001 | 0.02 | 1.05 | 2.1 | 1.5 | 0.5 | 7.7 | <0.01 | 0.05 | 2.4 | 0.024 |
| ZZ03466 | | 34.3 | 1290 | 13.1 | 8.7 | <0.001 | 0.23 | 2.48 | 3.7 | 2.1 | 0.7 | 29.2 | <0.01 | 0.25 | 2.0 | 0.022 |
| ZZ03467 | | 23.3 | 1340 | 10.7 | 11.9 | <0.001 | 0.01 | 0.67 | 2.4 | 0.5 | 0.7 | 10.7 | <0.01 | 0.05 | 1.6 | 0.029 |
| ZZ03468 | | 53.3 | 1410 | 18.8 | 8.0 | <0.001 | 0.01 | 4.88 | 3.3 | 1.0 | 0.4 | 11.1 | <0.01 | 0.23 | 2.9 | 0.009 |
| ZZ03469 | | 42.5 | 1930 | 14.6 | 6.9 | <0.001 | 0.02 | 2.24 | 3.2 | 1.4 | 0.9 | 16.8 | <0.01 | 0.13 | 2.7 | 0.008 |
| ZZ03470 | | 39.6 | 1190 | 28.6 | 11.5 | <0.001 | 0.02 | 1.68 | 3.4 | 1.0 | 0.7 | 22.8 | <0.01 | 0.06 | 1.6 | 0.016 |
| ZZ03471 | | 40.2 | 950 | 30.5 | 13.9 | <0.001 | 0.03 | 2.37 | 3.7 | 1.0 | 0.8 | 25.7 | <0.01 | 0.06 | 1.9 | 0.017 |
| ZZ03472 | | 39.7 | 1440 | 25.5 | 14.7 | <0.001 | 0.01 | 2.24 | 3.3 | 1.1 | 0.6 | 55.8 | <0.01 | 0.09 | 5.3 | 0.027 |
| ZZ03473 | | 37.6 | 1080 | 16.2 | 9.7 | 0.002 | 0.07 | 1.46 | 2.2 | 1.7 | 0.5 | 39.4 | <0.01 | 0.06 | 1.7 | 0.013 |
| ZZ03474 | | 38.6 | 1140 | 17.6 | 9.6 | 0.002 | 0.09 | 1.73 | 2.5 | 2.0 | 0.6 | 48.6 | <0.01 | 0.06 | 2.0 | 0.015 |
| ZZ03475 | | 45.0 | 1170 | 13.7 | 13.6 | 0.001 | 0.03 | 1.48 | 2.8 | 1.1 | 0.9 | 27.3 | <0.01 | 0.07 | 4.0 | 0.029 |
| ZZ03476 | | 32.7 | 710 | 13.0 | 17.1 | <0.001 | 0.02 | 1.10 | 1.8 | 0.8 | 0.7 | 10.9 | <0.01 | 0.08 | 2.3 | 0.023 |
| ZZ03477 | | 40.2 | 1090 | 20.4 | 10.6 | <0.001 | 0.02 | 1.93 | 2.9 | 1.1 | 1.6 | 98.9 | <0.01 | 0.10 | 3.7 | 0.017 |
| ZZ03478 | | 49.3 | 1230 | 21.9 | 11.4 | <0.001 | 0.01 | 1.93 | 3.8 | 1.2 | 0.9 | 26.9 | <0.01 | 0.08 | 3.9 | 0.021 |
| ZZ03479 | | 32.1 | 1410 | 12.3 | 22.9 | <0.001 | 0.03 | 0.92 | 4.0 | 1.1 | 1.9 | 31.0 | <0.01 | 0.05 | 4.1 | 0.057 |
| ZZ03480 | | 34.1 | 1290 | 7.5 | 11.5 | 0.002 | 0.12 | 0.85 | 2.0 | 3.0 | 0.7 | 49.2 | <0.01 | 0.04 | 1.3 | 0.024 |
| ZZ03481 | | 36.0 | 1000 | 11.6 | 15.5 | 0.002 | 0.05 | 1.24 | 3.4 | 2.1 | 1.1 | 40.0 | <0.01 | 0.05 | 2.2 | 0.039 |
| ZZ03482 | | 46.2 | 1910 | 10.3 | 19.1 | 0.001 | 0.08 | 4.80 | 3.7 | 1.6 | 1.4 | 43.3 | <0.01 | 0.08 | 5.6 | 0.038 |
| ZZ03483 | | 41.4 | 720 | 20.9 | 7.5 | 0.001 | <0.01 | 1.45 | 4.1 | 0.5 | 0.4 | 80.6 | <0.01 | 0.06 | 4.0 | 0.011 |
| ZZ03484 | | 47.2 | 770 | 22.2 | 8.3 | 0.001 | 0.02 | 1.51 | 4.5 | 0.9 | 0.4 | 44.9 | <0.01 | 0.06 | 4.6 | 0.010 |
| ZZ03485 | | 41.7 | 600 | 22.7 | 9.9 | 0.001 | 0.02 | 1.25 | 5.2 | 1.0 | 0.5 | 84.6 | <0.01 | 0.05 | 3.9 | 0.007 |
| ZZ03486 | | 42.6 | 680 | 20.5 | 7.3 | 0.001 | 0.02 | 1.35 | 4.2 | 1.1 | 0.3 | 67.2 | <0.01 | 0.05 | 2.9 | 0.007 |
| ZZ03487 | | 28.9 | 610 | 15.6 | 4.3 | 0.001 | 0.01 | 0.72 | 4.0 | 0.9 | 0.2 | 109.0 | <0.01 | 0.06 | 3.0 | 0.008 |
| ZZ03488 | | 36.5 | 620 | 20.7 | 7.7 | 0.001 | 0.01 | 0.98 | 5.0 | 0.7 | 0.3 | 108.5 | <0.01 | 0.06 | 3.8 | 0.007 |
| ZZ03489 | | 30.4 | 630 | 15.4 | 3.9 | 0.001 | <0.01 | 0.67 | 4.5 | 0.5 | 0.2 | 113.5 | <0.01 | 0.06 | 3.3 | 0.008 |
| ZZ03490 | | 33.9 | 610 | 19.2 | 6.3 | 0.001 | <0.01 | 0.85 | 5.2 | 0.5 | 0.3 | 97.8 | <0.01 | 0.06 | 3.6 | 0.008 |
| ZZ03491 | | 26.8 | 600 | 11.4 | 2.6 | <0.001 | <0.01 | 0.62 | 4.1 | 0.4 | <0.2 | 146.5 | <0.01 | 0.06 | 2.4 | 0.006 |
| ZZ03492 | | 31.0 | 650 | 15.7 | 3.9 | 0.001 | <0.01 | 0.74 | 4.5 | 0.7 | 0.2 | 128.0 | <0.01 | 0.05 | 3.2 | 0.009 |
| ZZ03493 | | 31.3 | 650 | 13.9 | 3.8 | 0.001 | <0.01 | 0.79 | 4.8 | 0.7 | 0.2 | 118.5 | <0.01 | 0.07 | 2.8 | 0.006 |
| ZZ03494 | | 51.6 | 910 | 20.6 | 10.9 | <0.001 | 0.01 | 2.17 | 4.5 | 1.2 | 0.4 | 20.9 | <0.01 | 0.12 | 3.3 | 0.006 |
| ZZ03495 | | 60.7 | 830 | 19.7 | 11.6 | <0.001 | 0.02 | 2.75 | 5.0 | 1.6 | 0.5 | 25.0 | <0.01 | 0.11 | 3.3 | 0.017 |
| ZZ03496 | | 42.7 | 690 | 18.3 | 8.2 | <0.001 | 0.01 | 0.75 | 7.2 | 0.6 | 0.4 | 72.6 | <0.01 | 0.09 | 4.3 | 0.007 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| ZZ03457 | | 0.22 | 1.14 | 51 | 0.17 | 14.00 | 135 | 1.5 | 0.011 |
| ZZ03458 | | 0.34 | 1.84 | 49 | 0.19 | 9.73 | 139 | 2.0 | 0.016 |
| ZZ03459 | | 0.19 | 1.32 | 41 | 0.17 | 14.05 | 105 | 1.5 | 0.050 |
| ZZ03460 | | 0.14 | 0.69 | 47 | 0.27 | 3.27 | 51 | <0.5 | 0.008 |
| ZZ03461 | | 0.16 | 0.89 | 48 | 0.23 | 3.29 | 64 | 1.0 | 0.101 |
| ZZ03462 | | 0.21 | 1.58 | 42 | 0.16 | 5.93 | 90 | 1.4 | 0.009 |
| ZZ03463 | | 0.05 | 0.63 | 9 | 0.06 | 18.95 | 62 | 1.4 | 0.005 |
| ZZ03464 | | 0.33 | 0.65 | 51 | 0.06 | 6.31 | 53 | <0.5 | 0.004 |
| ZZ03465 | | 0.11 | 1.70 | 43 | 0.26 | 3.93 | 73 | 0.5 | 0.043 |
| ZZ03466 | | 0.16 | 2.33 | 37 | 0.20 | 6.15 | 63 | 0.7 | 0.198 |
| ZZ03467 | | 0.16 | 0.79 | 68 | 0.24 | 3.27 | 151 | 0.5 | 0.001 |
| ZZ03468 | | 0.11 | 1.87 | 28 | 0.19 | 10.85 | 89 | 0.7 | 0.028 |
| ZZ03469 | | 0.11 | 2.44 | 39 | 0.15 | 13.90 | 90 | <0.5 | 0.047 |
| ZZ03470 | | 0.15 | 1.07 | 50 | 0.14 | 11.55 | 123 | 0.9 | 0.024 |
| ZZ03471 | | 0.14 | 1.54 | 46 | 0.17 | 12.05 | 141 | 2.5 | 0.021 |
| ZZ03472 | | 0.23 | 1.15 | 42 | 0.11 | 9.38 | 144 | 7.1 | 0.045 |
| ZZ03473 | | 0.11 | 3.11 | 31 | 0.11 | 8.68 | 74 | 2.8 | 0.049 |
| ZZ03474 | | 0.10 | 1.71 | 31 | 0.14 | 8.83 | 85 | 2.3 | 0.015 |
| ZZ03475 | | 0.14 | 1.24 | 36 | 0.66 | 8.38 | 92 | 3.0 | 0.023 |
| ZZ03476 | | 0.13 | 0.67 | 45 | 0.26 | 2.69 | 77 | <0.5 | 0.017 |
| ZZ03477 | | 0.21 | 0.99 | 36 | 0.16 | 8.13 | 155 | 8.5 | 0.137 |
| ZZ03478 | | 0.15 | 0.87 | 49 | 0.20 | 11.05 | 136 | 2.9 | 0.031 |
| ZZ03479 | | 0.20 | 0.82 | 44 | 0.34 | 9.02 | 82 | 2.2 | 0.037 |
| ZZ03480 | | 0.09 | 1.76 | 25 | 0.15 | 7.70 | 47 | 2.4 | 0.013 |
| ZZ03481 | | 0.15 | 1.27 | 41 | 0.19 | 9.14 | 66 | 2.0 | 0.011 |
| ZZ03482 | | 0.27 | 1.35 | 35 | 0.18 | 11.95 | 53 | 3.7 | 0.027 |
| ZZ03483 | | 0.13 | 0.73 | 36 | 0.09 | 9.06 | 144 | 3.1 | 0.003 |
| ZZ03484 | | 0.12 | 0.70 | 40 | 0.07 | 9.69 | 153 | 3.7 | 0.003 |
| ZZ03485 | | 0.18 | 0.98 | 38 | 0.06 | 10.50 | 151 | 4.9 | 0.002 |
| ZZ03486 | | 0.12 | 1.00 | 36 | 0.08 | 9.85 | 135 | 3.2 | 0.004 |
| ZZ03487 | | 0.09 | 0.79 | 34 | <0.05 | 8.13 | 102 | 3.2 | 0.003 |
| ZZ03488 | | 0.15 | 0.83 | 38 | 0.05 | 9.58 | 130 | 3.6 | 0.002 |
| ZZ03489 | | 0.08 | 0.71 | 36 | <0.05 | 8.81 | 99 | 4.2 | 0.002 |
| ZZ03490 | | 0.12 | 0.65 | 37 | 0.05 | 9.61 | 115 | 3.3 | 0.002 |
| ZZ03491 | | 0.07 | 0.73 | 31 | <0.05 | 7.78 | 91 | 3.4 | 0.002 |
| ZZ03492 | | 0.09 | 0.73 | 35 | <0.05 | 8.87 | 103 | 4.8 | 0.002 |
| ZZ03493 | | 0.09 | 0.78 | 38 | <0.05 | 8.83 | 104 | 2.9 | 0.003 |
| ZZ03494 | | 0.15 | 1.60 | 39 | 0.08 | 11.00 | 121 | 2.2 | 0.039 |
| ZZ03495 | | 0.15 | 1.48 | 42 | 0.17 | 12.45 | 127 | 2.3 | 0.037 |
| ZZ03496 | | 0.12 | 0.83 | 53 | 0.05 | 10.95 | 128 | 4.2 | 0.003 |

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

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**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| ZZ03497 | | 0.29 | 0.18 | 2.01 | 19.9 | <0.02 | 10 | 220 | 0.81 | 0.25 | 5.84 | 0.61 | 32.2 | 18.8 | 30 | 1.48 |
| ZZ03498 | | 0.36 | 0.20 | 1.69 | 17.1 | <0.02 | 10 | 250 | 0.71 | 0.24 | 6.67 | 0.69 | 28.5 | 16.8 | 27 | 1.39 |
| ZZ03499 | | 0.24 | 0.17 | 0.64 | 36.9 | <0.02 | 10 | 140 | 0.28 | 0.90 | 7.84 | 0.76 | 17.15 | 7.1 | 13 | 0.64 |
| ZZ03500 | | 0.41 | 0.21 | 0.72 | 62.6 | <0.02 | <10 | 140 | 0.35 | 0.94 | 6.73 | 0.65 | 17.50 | 8.9 | 14 | 0.67 |

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# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| ZZ03497 | | 73.0 | 4.75 | 6.32 | 0.06 | 0.17 | 0.14 | 0.038 | 0.15 | 14.9 | 39.3 | 1.84 | 703 | 1.17 | 0.02 | 0.12 |
| ZZ03498 | | 62.2 | 4.21 | 5.10 | 0.05 | 0.14 | 0.12 | 0.034 | 0.13 | 13.4 | 32.0 | 2.12 | 747 | 1.37 | 0.02 | 0.13 |
| ZZ03499 | | 30.6 | 2.02 | 1.94 | <0.05 | 0.06 | 0.04 | 0.020 | 0.08 | 8.7 | 7.6 | 1.62 | 417 | 0.82 | 0.02 | 0.57 |
| ZZ03500 | | 31.3 | 2.51 | 2.09 | <0.05 | 0.05 | 0.05 | 0.026 | 0.09 | 9.2 | 8.5 | 1.58 | 460 | 1.51 | 0.02 | 0.56 |

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

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


**Finalized Date: 17-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| ZZ03497 | | 43.0 | 670 | 20.3 | 8.4 | <0.001 | <0.01 | 0.69 | 7.4 | 0.7 | 0.3 | 138.5 | <0.01 | 0.09 | 4.8 | 0.007 |
| ZZ03498 | | 38.9 | 690 | 20.6 | 7.8 | 0.001 | <0.01 | 0.82 | 6.4 | 0.6 | 0.3 | 138.0 | <0.01 | 0.07 | 4.4 | 0.009 |
| ZZ03499 | | 23.7 | 1070 | 11.5 | 7.0 | 0.006 | 0.15 | 0.83 | 2.0 | 2.7 | 0.3 | 105.0 | <0.01 | 0.03 | 2.3 | 0.015 |
| ZZ03500 | | 22.9 | 1110 | 14.4 | 6.5 | 0.002 | 0.11 | 1.01 | 2.2 | 2.0 | 0.3 | 90.9 | <0.01 | 0.04 | 2.0 | 0.014 |

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**Finalized Date: 17-NOV-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20208118

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| ZZ03497 | | 0.15 | 0.83 | 51 | <0.05 | 10.70 | 128 | 7.5 | 0.003 |
| ZZ03498 | | 0.16 | 0.82 | 46 | <0.05 | 10.20 | 131 | 6.9 | 0.002 |
| ZZ03499 | | 0.10 | 0.69 | 21 | 0.14 | 6.42 | 73 | 2.4 | 0.020 |
| ZZ03500 | | 0.11 | 0.71 | 24 | 0.15 | 7.14 | 78 | 2.3 | 0.019 |

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Project: Rau


**Finalized Date: 17-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20208118

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS41

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 8-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20208100

Project: RAU

P.O. No.: R20-S04

This report is for 24 Soil samples submitted to our lab in Whitehorse, YT, Canada on 18-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| SCR-41 | Screen to -180um and save both |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-ICP21 | Au 30g FA ICP-AES Finish | ICP-AES |
| ME-MS41 | Ultra Trace Aqua Regia ICP-MS | |

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

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

**Signature:**



Saa Traxler, General Manager, North Vancouver

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Project: RAU


**Finalized Date: 8-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20208100

| Sample Description | Method | WEI-21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Au | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.1 | 0.02 | 10 | 10 | 0.05 | 0.01 | 0.01 | 0.01 | 0.02 | 0.1 | 1 | 0.05 |
| YY17151 | | 0.19 | 0.19 | 0.60 | 11.6 | <0.02 | 10 | 70 | 0.91 | 0.08 | 14.05 | 0.75 | 13.95 | 4.4 | 30 | 0.51 |
| YY17152 | | 0.35 | 0.09 | 0.18 | 6.8 | <0.02 | 10 | 30 | 0.52 | 0.01 | 18.65 | 0.34 | 4.39 | 4.9 | 10 | 0.72 |
| YY17153 | | 0.19 | 0.33 | 0.86 | 13.8 | <0.02 | 10 | 190 | 1.19 | 0.14 | 8.62 | 0.85 | 15.20 | 7.7 | 20 | 3.86 |
| YY17154 | | 0.40 | 0.31 | 1.15 | 9.8 | <0.02 | <10 | 110 | 1.73 | 0.41 | 0.15 | 0.14 | 30.2 | 4.9 | 30 | 8.79 |
| YY17155 | | 0.27 | 0.27 | 0.46 | 5.1 | <0.02 | <10 | 50 | 0.35 | 0.14 | 0.06 | 0.05 | 5.65 | 5.3 | 40 | 3.74 |
| YY17156 | | 0.32 | 0.14 | 0.23 | 2.1 | <0.02 | <10 | <10 | 0.10 | 0.04 | 0.04 | 0.01 | 1.91 | 0.9 | 24 | 1.71 |
| YY17157 | | 0.38 | 0.33 | 0.83 | 9.1 | <0.02 | <10 | 150 | 1.09 | 0.33 | 0.09 | 0.13 | 14.60 | 5.0 | 22 | 6.37 |
| YY17158 | | 0.29 | 0.29 | 0.82 | 10.4 | <0.02 | <10 | 160 | 0.65 | 0.37 | 0.05 | 0.10 | 13.85 | 6.2 | 22 | 7.57 |
| YY17159 | | 0.23 | 0.28 | 0.14 | 2.2 | <0.02 | 10 | 20 | 0.08 | 0.04 | 0.04 | 0.02 | 2.34 | 1.4 | 4 | 2.00 |
| YY17160 | | 0.34 | 0.33 | 0.81 | 10.6 | <0.02 | 10 | 70 | 0.66 | 0.18 | 0.08 | 0.17 | 14.40 | 26.5 | 14 | 4.31 |
| YY17161 | | 0.26 | 0.08 | 0.37 | 6.6 | <0.02 | 10 | 50 | 0.20 | 0.11 | 0.06 | 0.04 | 6.98 | 4.6 | 6 | 4.33 |
| YY17162 | | 0.25 | 0.02 | 0.08 | 1.5 | <0.02 | <10 | <10 | 0.06 | <0.01 | 0.04 | 0.01 | 1.05 | 1.2 | 4 | 0.48 |
| YY17163 | | 0.44 | 0.35 | 1.78 | 45.6 | <0.02 | 10 | 60 | 5.02 | 0.20 | 2.48 | 1.60 | 41.7 | 94.8 | 10 | 2.70 |
| YY17164 | | 0.31 | 0.18 | 1.51 | 19.9 | <0.02 | <10 | 30 | 3.72 | 0.12 | 0.34 | 0.27 | 30.1 | 38.0 | 9 | 2.42 |
| YY17165 | | 0.40 | 0.24 | 1.87 | 21.2 | <0.02 | 10 | 60 | 4.25 | 0.14 | 0.49 | 0.65 | 44.2 | 68.0 | 9 | 3.03 |
| YY17166 | | 0.41 | 0.36 | 1.65 | 21.5 | <0.02 | 10 | 110 | 3.75 | 0.17 | 2.04 | 1.25 | 41.2 | 69.2 | 11 | 2.27 |
| YY17167 | | 0.48 | 0.22 | 1.96 | 20.2 | <0.02 | 10 | 80 | 6.56 | 0.12 | 1.87 | 2.04 | 67.0 | 183.0 | 8 | 2.59 |
| YY17168 | | 0.32 | 0.27 | 1.96 | 18.7 | <0.02 | 10 | 100 | 6.33 | 0.13 | 1.69 | 1.92 | 63.0 | 143.5 | 10 | 3.06 |
| YY17169 | | 0.38 | 0.25 | 0.87 | 16.0 | <0.02 | 10 | 190 | 1.61 | 0.15 | 7.02 | 0.91 | 25.7 | 36.3 | 10 | 1.68 |
| YY17170 | | 0.41 | 0.21 | 0.95 | 14.4 | <0.02 | 10 | 200 | 1.42 | 0.14 | 9.20 | 0.85 | 26.1 | 32.6 | 11 | 1.48 |
| YY17171 | | 0.50 | 0.23 | 0.99 | 15.2 | <0.02 | 10 | 230 | 2.01 | 0.14 | 6.55 | 1.11 | 27.1 | 46.0 | 10 | 1.79 |
| YY17172 | | 0.44 | 0.23 | 0.61 | 18.0 | <0.02 | 10 | 220 | 0.88 | 0.16 | 9.45 | 0.97 | 18.75 | 27.9 | 9 | 1.15 |
| YY17173 | | 0.34 | 0.31 | 1.08 | 15.1 | <0.02 | 10 | 260 | 2.19 | 0.17 | 5.28 | 1.25 | 28.7 | 46.9 | 11 | 1.97 |
| YY17174 | | 0.40 | 0.26 | 1.34 | 16.9 | <0.02 | 10 | 260 | 3.50 | 0.15 | 5.21 | 1.64 | 37.7 | 70.1 | 10 | 1.75 |

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

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Project: RAU


**Finalized Date: 8-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20208100

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.2 | 0.01 | 0.05 | 0.05 | 0.02 | 0.01 | 0.005 | 0.01 | 0.2 | 0.1 | 0.01 | 5 | 0.05 | 0.01 | 0.05 |
| YY17151 | | 12.1 | 1.74 | 1.48 | <0.05 | <0.02 | 0.08 | 0.012 | 0.03 | 6.0 | 5.5 | 8.16 | 930 | 1.18 | 0.04 | 0.16 |
| YY17152 | | 3.7 | 1.10 | 0.42 | <0.05 | 0.02 | 0.07 | <0.005 | 0.03 | 1.7 | 4.9 | 11.20 | 321 | 0.72 | 0.04 | 0.06 |
| YY17153 | | 20.9 | 2.55 | 2.44 | <0.05 | 0.04 | 0.25 | 0.020 | 0.09 | 7.8 | 8.8 | 5.12 | 558 | 1.10 | 0.03 | 0.23 |
| YY17154 | | 39.3 | 8.43 | 4.47 | 0.12 | 0.10 | 0.17 | 0.120 | 0.07 | 11.0 | 15.2 | 0.13 | 107 | 1.54 | 0.01 | 0.34 |
| YY17155 | | 20.4 | 26.4 | 3.16 | 0.07 | 0.05 | 0.11 | 0.069 | 0.05 | 2.2 | 4.6 | 0.06 | 128 | 0.69 | 0.01 | 0.08 |
| YY17156 | | 11.4 | 37.1 | 1.67 | 0.08 | 0.05 | 0.05 | 0.036 | 0.03 | 0.8 | 1.4 | 0.04 | <5 | 0.29 | 0.01 | <0.05 |
| YY17157 | | 30.7 | 8.98 | 2.87 | 0.05 | 0.04 | 0.16 | 0.069 | 0.06 | 5.5 | 9.5 | 0.11 | 125 | 1.17 | 0.01 | 0.13 |
| YY17158 | | 30.0 | 7.45 | 2.85 | <0.05 | 0.04 | 0.21 | 0.052 | 0.09 | 6.1 | 11.3 | 0.12 | 184 | 1.13 | 0.01 | 0.20 |
| YY17159 | | 5.2 | 36.9 | 0.65 | 0.09 | 0.02 | 0.05 | 0.008 | 0.09 | 0.9 | 1.5 | 0.04 | 14 | 0.17 | 0.01 | 0.06 |
| YY17160 | | 33.3 | 18.80 | 2.03 | 0.07 | 0.04 | 0.14 | 0.050 | 0.07 | 5.1 | 7.9 | 0.13 | 960 | 0.77 | 0.01 | 0.18 |
| YY17161 | | 13.9 | 25.8 | 1.16 | 0.06 | 0.04 | 0.08 | 0.020 | 0.08 | 2.8 | 3.5 | 0.09 | 149 | 0.45 | 0.01 | 0.16 |
| YY17162 | | 9.1 | 42.6 | 0.54 | 0.09 | 0.02 | 0.01 | 0.009 | 0.02 | 0.4 | 0.6 | 0.04 | <5 | 0.12 | 0.01 | <0.05 |
| YY17163 | | 32.0 | 9.49 | 2.13 | 0.08 | 0.07 | 0.17 | 0.039 | 0.09 | 17.5 | 17.7 | 1.33 | 3450 | 0.87 | 0.01 | 0.19 |
| YY17164 | | 27.3 | 24.1 | 1.53 | 0.12 | 0.06 | 0.07 | 0.035 | 0.06 | 9.3 | 6.6 | 0.25 | 850 | 0.59 | 0.01 | 0.20 |
| YY17165 | | 32.4 | 17.75 | 1.74 | 0.12 | 0.07 | 0.09 | 0.035 | 0.07 | 15.1 | 9.9 | 0.32 | 1670 | 0.69 | 0.01 | 0.16 |
| YY17166 | | 33.9 | 12.80 | 2.31 | 0.09 | 0.06 | 0.17 | 0.039 | 0.11 | 16.7 | 11.4 | 1.02 | 2290 | 0.87 | 0.01 | 0.23 |
| YY17167 | | 34.3 | 19.10 | 1.88 | 0.13 | 0.07 | 0.07 | 0.029 | 0.08 | 26.3 | 10.7 | 1.07 | 5000 | 0.74 | 0.01 | 0.13 |
| YY17168 | | 34.7 | 18.30 | 1.96 | 0.14 | 0.07 | 0.12 | 0.034 | 0.08 | 24.9 | 11.9 | 0.90 | 3950 | 0.96 | 0.01 | 0.17 |
| YY17169 | | 24.9 | 5.43 | 1.89 | 0.05 | 0.04 | 0.13 | 0.026 | 0.09 | 11.1 | 8.8 | 3.83 | 1590 | 1.12 | 0.02 | 0.25 |
| YY17170 | | 27.0 | 4.90 | 2.10 | 0.05 | 0.04 | 0.11 | 0.028 | 0.10 | 12.0 | 10.6 | 3.45 | 1530 | 0.92 | 0.02 | 0.25 |
| YY17171 | | 25.5 | 5.59 | 1.91 | 0.06 | 0.05 | 0.12 | 0.027 | 0.09 | 11.5 | 9.7 | 3.33 | 2020 | 1.03 | 0.02 | 0.26 |
| YY17172 | | 22.7 | 5.15 | 1.71 | 0.05 | 0.04 | 0.12 | 0.028 | 0.07 | 8.3 | 7.6 | 5.10 | 1980 | 1.66 | 0.01 | 0.22 |
| YY17173 | | 25.4 | 6.40 | 1.96 | 0.05 | 0.05 | 0.15 | 0.032 | 0.09 | 12.8 | 8.7 | 2.50 | 2000 | 1.02 | 0.01 | 0.31 |
| YY17174 | | 26.5 | 10.30 | 1.88 | 0.07 | 0.06 | 0.14 | 0.030 | 0.08 | 15.7 | 8.9 | 2.40 | 2800 | 1.03 | 0.01 | 0.25 |

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Project: RAU


**Finalized Date: 8-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20208100

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti |
| | Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.2 | 10 | 0.2 | 0.1 | 0.001 | 0.01 | 0.05 | 0.1 | 0.2 | 0.2 | 0.2 | 0.01 | 0.01 | 0.2 | 0.005 |
| YY17151 | | 11.0 | 1600 | 31.5 | 3.7 | 0.001 | 0.11 | 1.70 | 0.5 | 1.1 | 0.2 | 61.0 | <0.01 | 0.02 | <0.2 | 0.007 |
| YY17152 | | 8.4 | 940 | 22.2 | 2.2 | <0.001 | 0.03 | 2.03 | 0.5 | 0.4 | <0.2 | 139.0 | <0.01 | 0.01 | 0.3 | <0.005 |
| YY17153 | | 18.0 | 1230 | 68.9 | 11.2 | <0.001 | 0.07 | 3.90 | 2.1 | 0.6 | 0.4 | 67.5 | <0.01 | 0.03 | 0.7 | 0.008 |
| YY17154 | | 15.0 | 410 | 55.1 | 11.0 | 0.001 | 0.40 | 0.80 | 24.1 | 1.5 | 0.4 | 16.2 | <0.01 | 0.05 | 7.0 | <0.005 |
| YY17155 | | 7.9 | 300 | 28.4 | 3.8 | 0.001 | 2.66 | 0.51 | 7.7 | 0.9 | <0.2 | 7.2 | <0.01 | 0.02 | 4.8 | <0.005 |
| YY17156 | | 2.2 | 180 | 10.4 | 2.0 | <0.001 | 3.98 | 0.31 | 3.0 | 0.7 | <0.2 | 2.9 | <0.01 | 0.01 | 1.6 | <0.005 |
| YY17157 | | 13.7 | 330 | 51.2 | 6.9 | 0.002 | 0.82 | 0.80 | 10.0 | 1.1 | 0.3 | 13.0 | <0.01 | 0.04 | 4.0 | <0.005 |
| YY17158 | | 13.5 | 440 | 55.1 | 10.9 | 0.001 | 0.54 | 1.15 | 10.2 | 1.2 | 0.4 | 14.1 | <0.01 | 0.05 | 2.9 | <0.005 |
| YY17159 | | 2.8 | 160 | 21.3 | 3.7 | 0.001 | 3.87 | 0.32 | 1.3 | 0.5 | <0.2 | 5.1 | <0.01 | 0.01 | 0.7 | <0.005 |
| YY17160 | | 17.6 | 370 | 66.6 | 12.5 | <0.001 | 1.53 | 1.56 | 10.1 | 1.0 | 0.2 | 18.6 | <0.01 | 0.03 | 2.9 | 0.005 |
| YY17161 | | 6.6 | 300 | 25.2 | 7.9 | 0.001 | 1.84 | 0.71 | 2.6 | 1.2 | 0.2 | 9.3 | <0.01 | 0.01 | 1.5 | 0.005 |
| YY17162 | | 1.7 | 40 | 3.6 | 1.2 | <0.001 | 3.99 | 0.22 | 0.5 | <0.2 | <0.2 | 2.1 | <0.01 | <0.01 | 0.3 | <0.005 |
| YY17163 | | 106.5 | 450 | 77.0 | 11.0 | 0.002 | 0.86 | 2.20 | 7.2 | 0.5 | 0.2 | 22.7 | <0.01 | 0.03 | 2.3 | 0.006 |
| YY17164 | | 26.9 | 250 | 45.6 | 6.4 | 0.001 | 1.82 | 1.33 | 9.0 | 0.6 | <0.2 | 7.6 | <0.01 | 0.02 | 2.1 | 0.005 |
| YY17165 | | 52.8 | 320 | 54.0 | 7.6 | <0.001 | 1.16 | 1.67 | 10.6 | 0.4 | 0.2 | 12.2 | <0.01 | 0.02 | 2.3 | 0.006 |
| YY17166 | | 65.4 | 430 | 57.5 | 10.5 | <0.001 | 0.32 | 1.96 | 7.2 | 0.5 | 0.2 | 31.1 | <0.01 | 0.02 | 2.3 | 0.008 |
| YY17167 | | 115.5 | 290 | 51.3 | 7.0 | 0.001 | 0.77 | 1.66 | 8.4 | 0.4 | 0.2 | 17.9 | <0.01 | 0.02 | 2.0 | 0.006 |
| YY17168 | | 107.5 | 340 | 54.3 | 8.5 | 0.001 | 0.63 | 1.64 | 9.3 | 1.0 | 0.2 | 24.6 | <0.01 | 0.02 | 2.2 | 0.007 |
| YY17169 | | 38.5 | 460 | 53.3 | 6.7 | 0.001 | 0.09 | 1.69 | 4.1 | 0.7 | 0.2 | 45.9 | <0.01 | 0.03 | 2.3 | 0.011 |
| YY17170 | | 37.9 | 440 | 47.1 | 7.9 | 0.001 | 0.08 | 1.40 | 3.9 | 0.5 | 0.2 | 67.2 | <0.01 | 0.03 | 2.6 | 0.014 |
| YY17171 | | 57.8 | 450 | 50.5 | 8.2 | 0.002 | 0.09 | 1.50 | 4.4 | 0.8 | 0.2 | 50.9 | <0.01 | 0.03 | 2.2 | 0.012 |
| YY17172 | | 34.3 | 390 | 66.5 | 5.3 | 0.001 | 0.06 | 2.08 | 3.6 | 0.7 | 0.2 | 54.4 | <0.01 | 0.02 | 2.2 | 0.010 |
| YY17173 | | 51.1 | 500 | 54.0 | 8.4 | 0.001 | 0.14 | 1.65 | 5.2 | 1.1 | 0.2 | 48.5 | <0.01 | 0.04 | 2.2 | 0.011 |
| YY17174 | | 70.2 | 400 | 57.4 | 7.3 | 0.001 | 0.16 | 1.70 | 6.8 | 0.6 | 0.2 | 51.2 | <0.01 | 0.02 | 2.2 | 0.009 |

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

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

Project: RAU


**Finalized Date: 8-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20208100

| Sample Description | Method | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | Au-ICP21 |
|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Tl | U | V | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.05 | 1 | 0.05 | 0.05 | 2 | 0.5 | 0.001 |
| YY17151 | | 0.16 | 0.63 | 20 | 0.05 | 10.30 | 290 | <0.5 | 0.002 |
| YY17152 | | 0.16 | 0.42 | 7 | <0.05 | 3.27 | 191 | 1.0 | 0.001 |
| YY17153 | | 0.35 | 0.65 | 25 | 0.07 | 8.59 | 278 | 1.4 | 0.002 |
| YY17154 | | 0.18 | 2.20 | 20 | 0.06 | 10.30 | 79 | 4.8 | 0.001 |
| YY17155 | | 0.10 | 0.36 | 13 | <0.05 | 1.22 | 44 | 3.3 | 0.001 |
| YY17156 | | 0.05 | 0.13 | 9 | <0.05 | 0.43 | 12 | 3.0 | <0.001 |
| YY17157 | | 0.21 | 1.21 | 16 | <0.05 | 3.07 | 74 | 2.3 | 0.001 |
| YY17158 | | 0.33 | 0.98 | 19 | 0.05 | 2.63 | 96 | 1.6 | 0.001 |
| YY17159 | | 0.13 | 0.13 | 8 | <0.05 | 0.61 | 19 | 1.2 | <0.001 |
| YY17160 | | 0.26 | 0.99 | 15 | 0.05 | 4.22 | 154 | 1.5 | 0.001 |
| YY17161 | | 0.15 | 0.25 | 12 | <0.05 | 1.45 | 91 | 1.5 | 0.001 |
| YY17162 | | 0.02 | <0.05 | 5 | <0.05 | 0.36 | 26 | 0.7 | <0.001 |
| YY17163 | | 0.29 | 2.44 | 16 | 0.09 | 32.7 | 378 | 2.2 | 0.004 |
| YY17164 | | 0.15 | 3.07 | 11 | 0.24 | 18.00 | 273 | 2.1 | 0.002 |
| YY17165 | | 0.19 | 3.95 | 13 | 0.06 | 27.9 | 370 | 2.3 | 0.001 |
| YY17166 | | 0.22 | 2.56 | 19 | 0.07 | 26.6 | 430 | 1.9 | 0.002 |
| YY17167 | | 0.28 | 4.10 | 13 | 0.07 | 51.0 | 684 | 2.3 | 0.001 |
| YY17168 | | 0.27 | 4.27 | 14 | 0.06 | 47.1 | 640 | 2.0 | 0.002 |
| YY17169 | | 0.15 | 1.63 | 18 | 0.07 | 13.65 | 280 | 1.5 | 0.001 |
| YY17170 | | 0.14 | 2.74 | 21 | 0.06 | 12.95 | 254 | 1.8 | 0.002 |
| YY17171 | | 0.17 | 2.20 | 18 | 0.08 | 15.55 | 330 | 1.6 | 0.001 |
| YY17172 | | 0.16 | 1.33 | 18 | 0.06 | 8.67 | 234 | 1.8 | 0.001 |
| YY17173 | | 0.17 | 2.88 | 19 | 0.08 | 17.80 | 405 | 1.8 | 0.003 |
| YY17174 | | 0.19 | 4.20 | 16 | 0.07 | 26.9 | 524 | 1.8 | 0.001 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: RAU


**Finalized Date: 8-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20208100

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS41

# APPENDIX V

# DIGITAL COPY OF ROCK SAMPLE DESCRIPTIONS

# APPENDIX VI

# ROCK SAMPLE CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

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**Finalized Date: 9-AUG-2020**
**This copy reported on 11-AUG-2020**
**Account: RCM**

# CERTIFICATE WH20154286

Project: Rau

P.O. No.: R20-R01

This report is for 19 Rock samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| BAG-01 | Bulk Master for Storage |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-32 | Pulverize 1000g 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 | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 9-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20154286

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| W845001 | | 0.45 | <0.005 | 0.02 | 0.34 | 29.0 | 80 | 0.10 | 0.04 | 0.03 | 0.05 | 11.05 | 1.5 | 34 | 0.23 | 4.3 |
| W845002 | | 0.53 | 0.007 | 0.05 | 0.12 | 90.0 | 50 | 0.05 | 3.86 | 0.73 | 0.25 | 1.32 | 4.4 | 19 | 0.16 | 18.9 |
| W845003 | | 1.69 | 0.104 | 0.06 | 0.86 | 69.2 | 260 | 0.27 | 0.82 | 6.01 | 0.39 | 8.73 | 4.9 | 17 | 0.47 | 7.8 |
| W845004 | | 0.58 | 0.017 | 0.03 | 0.20 | 14.8 | 70 | 0.05 | 0.10 | 1.87 | 0.14 | 3.00 | 1.8 | 23 | 0.32 | 4.4 |
| W845005 | | 0.94 | <0.005 | 0.01 | 0.30 | 12.0 | 110 | 0.09 | 0.21 | 36.3 | 0.16 | 4.14 | 1.1 | 6 | 0.21 | 2.4 |
| W845006 | | 1.10 | <0.005 | <0.01 | 5.86 | 27.9 | 1630 | 1.32 | 0.36 | 2.31 | 0.26 | 86.3 | 11.9 | 45 | 3.80 | 15.8 |
| W845007 | | 1.24 | 0.008 | 0.01 | 8.33 | 392 | 1870 | 2.62 | 0.57 | 0.38 | 0.15 | 200 | 14.8 | 43 | 8.03 | 30.1 |
| W845008 | | 0.21 | 0.009 | 0.01 | 0.23 | 10.3 | 90 | 0.06 | 0.14 | 36.6 | 0.21 | 3.44 | 0.8 | 4 | 0.16 | 1.8 |
| W845009 | | 0.35 | 0.020 | 0.27 | 1.60 | 361 | 430 | 0.40 | 7.00 | 2.26 | 0.16 | 27.2 | 12.6 | 36 | 0.50 | 31.5 |
| W845010 | | 0.66 | 0.009 | 0.02 | 0.31 | 11.8 | 130 | 0.07 | 0.19 | 35.6 | 0.10 | 3.89 | 1.0 | 5 | 0.20 | 2.4 |
| W845011 | | 2.58 | 0.108 | 0.10 | 2.45 | 5.9 | 660 | 0.60 | 0.53 | 1.98 | 0.19 | 27.6 | 11.0 | 49 | 0.90 | 23.4 |
| W845012 | | 1.10 | <0.005 | 0.02 | 0.02 | 12.9 | 10 | <0.05 | 0.14 | 0.03 | 0.06 | 0.12 | 0.2 | 29 | 0.28 | 0.4 |
| W845013 | | 0.28 | <0.005 | 2.43 | 0.68 | 134.5 | 250 | 0.26 | 106.5 | 5.37 | 0.51 | 22.1 | 17.3 | 21 | 0.42 | 19.6 |
| W845014 | | 0.16 | 0.025 | 0.07 | 0.72 | 471 | 150 | 0.19 | 126.5 | 0.19 | 0.25 | 5.76 | 5.1 | 29 | 0.25 | 20.1 |
| W845015 | | 0.18 | <0.005 | 0.05 | 4.52 | 9.3 | 1190 | 1.23 | 0.82 | 0.17 | 0.11 | 43.0 | 18.7 | 47 | 2.88 | 67.6 |
| W845016 | | 0.40 | <0.005 | 0.02 | 1.62 | 3.3 | 70 | <0.05 | 0.22 | 0.74 | 0.17 | 3.85 | 1.8 | 21 | 0.28 | 2.3 |
| W845017 | | 0.49 | 0.044 | 0.09 | 0.83 | 35.5 | 210 | 0.23 | 0.19 | 0.28 | 0.09 | 12.70 | 7.0 | 34 | 0.49 | 23.6 |
| W845018 | | 0.24 | 0.010 | 0.05 | 0.89 | 16.7 | 150 | 0.31 | 0.10 | 2.23 | 0.19 | 7.34 | 7.7 | 32 | 0.69 | 57.7 |
| W845019 | | 0.42 | 0.006 | 0.14 | 0.28 | 179.0 | 160 | 0.08 | 0.72 | 0.18 | 0.20 | 2.35 | 1.4 | 21 | 0.27 | 44.7 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 9-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20154286

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W845001 | | 1.22 | 0.94 | 0.06 | 0.2 | 0.007 | 0.14 | 5.6 | 0.8 | 0.02 | 175 | 1.05 | 0.01 | 0.6 | 4.4 | 100 |
| W845002 | | 1.59 | 0.35 | 0.06 | <0.1 | 0.008 | 0.06 | 0.7 | 0.3 | 0.21 | 425 | 0.93 | 0.01 | 0.1 | 13.9 | 110 |
| W845003 | | 3.01 | 2.23 | 0.08 | 0.2 | 0.031 | 0.39 | 4.1 | 1.2 | 2.33 | 2100 | 0.65 | 0.02 | 1.6 | 9.9 | 250 |
| W845004 | | 1.56 | 0.56 | 0.07 | 0.1 | 0.012 | 0.07 | 1.4 | 0.8 | 0.65 | 473 | 0.32 | 0.01 | 0.9 | 4.8 | 50 |
| W845005 | | 0.26 | 0.80 | 0.07 | 0.2 | <0.005 | 0.13 | 2.2 | 1.5 | 0.49 | 50 | 0.20 | 0.03 | 1.2 | 3.4 | 150 |
| W845006 | | 6.80 | 16.15 | 0.14 | 1.8 | 0.072 | 1.65 | 45.7 | 22.1 | 2.38 | 653 | 0.81 | 0.15 | 32.5 | 27.9 | 1200 |
| W845007 | | 11.10 | 24.7 | 0.24 | 5.6 | 0.083 | 3.43 | 104.5 | 15.8 | 2.00 | 834 | 1.59 | 0.07 | 84.0 | 40.2 | 1690 |
| W845008 | | 0.22 | 0.65 | 0.07 | 0.1 | <0.005 | 0.10 | 1.8 | 1.2 | 0.39 | 50 | 0.16 | 0.01 | 1.1 | 2.3 | 170 |
| W845009 | | 5.23 | 3.53 | 0.08 | 0.6 | 0.030 | 0.67 | 12.0 | 1.1 | 0.13 | 1130 | 4.97 | 0.02 | 1.6 | 41.2 | 760 |
| W845010 | | 0.27 | 0.84 | 0.06 | 0.2 | 0.006 | 0.14 | 2.0 | 1.5 | 0.46 | 73 | 0.22 | 0.02 | 1.1 | 2.9 | 130 |
| W845011 | | 2.37 | 6.51 | 0.09 | 0.9 | 0.032 | 0.71 | 11.8 | 5.1 | 0.63 | 469 | 0.70 | 0.09 | 11.0 | 37.9 | 630 |
| W845012 | | 0.34 | 0.08 | 0.05 | <0.1 | <0.005 | 0.01 | <0.5 | 0.3 | <0.01 | 40 | 0.19 | 0.01 | 0.1 | 1.1 | 10 |
| W845013 | | 11.00 | 2.10 | 0.08 | 0.3 | 0.118 | 0.30 | 9.9 | 1.1 | 0.39 | 2710 | 2.90 | 0.01 | 1.0 | 46.7 | 630 |
| W845014 | | 4.35 | 1.64 | 0.05 | 0.1 | 0.011 | 0.32 | 3.0 | 1.0 | 0.05 | 847 | 4.23 | 0.01 | 0.9 | 16.4 | 240 |
| W845015 | | 4.30 | 12.95 | 0.11 | 1.5 | 0.039 | 1.67 | 23.1 | 9.9 | 0.42 | 239 | 2.34 | 0.16 | 15.0 | 50.1 | 800 |
| W845016 | | 1.15 | 1.52 | 0.07 | 0.1 | 0.009 | 0.02 | 2.0 | 1.5 | 0.22 | 570 | 0.25 | 1.19 | 1.1 | 3.9 | 140 |
| W845017 | | 1.57 | 2.43 | 0.06 | 0.3 | 0.022 | 0.27 | 6.0 | 4.0 | 0.15 | 188 | 0.76 | 0.02 | 2.4 | 12.3 | 290 |
| W845018 | | 3.48 | 2.46 | 0.05 | 0.3 | 0.016 | 0.35 | 3.9 | 2.4 | 0.81 | 1320 | 1.39 | 0.03 | 1.1 | 18.9 | 130 |
| W845019 | | 4.99 | 0.69 | <0.05 | 0.1 | 0.010 | 0.09 | 1.1 | 1.2 | 0.08 | 90 | 1.10 | 0.02 | 0.4 | 20.9 | 260 |

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**Finalized Date: 9-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20154286

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W845001 | | 1.5 | 4.9 | <0.002 | 0.01 | 0.38 | 0.4 | <1 | 0.5 | 4.0 | <0.05 | <0.05 | 1.35 | 0.022 | 0.03 | 0.2 |
| W845002 | | 9.1 | 2.0 | <0.002 | 0.03 | 0.23 | 0.7 | 1 | <0.2 | 7.8 | <0.05 | <0.05 | 0.13 | <0.005 | 0.04 | 0.7 |
| W845003 | | 14.2 | 13.9 | <0.002 | 0.05 | 0.36 | 4.9 | 1 | 1.7 | 60.9 | 0.08 | <0.05 | 0.81 | 0.034 | 0.08 | 0.4 |
| W845004 | | 6.5 | 2.5 | <0.002 | 0.01 | 0.20 | 0.6 | <1 | <0.2 | 30.4 | <0.05 | <0.05 | 0.16 | 0.013 | 0.02 | 0.1 |
| W845005 | | 1.0 | 4.9 | <0.002 | 0.70 | 0.16 | 0.6 | 2 | 0.2 | 265 | 0.07 | <0.05 | 0.49 | 0.029 | 0.04 | 8.6 |
| W845006 | | 4.9 | 75.0 | <0.002 | 0.01 | 0.58 | 9.5 | 1 | 3.8 | 50.8 | 1.57 | <0.05 | 8.05 | 0.527 | 0.49 | 1.8 |
| W845007 | | 7.9 | 130.0 | <0.002 | 0.02 | 0.72 | 14.8 | 1 | 11.6 | 37.6 | 4.70 | <0.05 | 21.3 | 0.781 | 1.07 | 4.8 |
| W845008 | | 0.8 | 3.7 | <0.002 | 0.54 | 0.19 | 0.5 | 1 | 0.2 | 224 | 0.06 | <0.05 | 0.41 | 0.021 | 0.03 | 6.1 |
| W845009 | | 20.6 | 29.2 | <0.002 | 0.05 | 0.94 | 2.5 | 1 | 1.3 | 12.9 | 0.09 | <0.05 | 2.03 | 0.041 | 0.19 | 1.6 |
| W845010 | | 0.9 | 4.8 | <0.002 | 0.62 | 0.15 | 0.6 | 1 | 0.2 | 243 | 0.07 | <0.05 | 0.49 | 0.026 | 0.04 | 6.1 |
| W845011 | | 7.4 | 28.6 | <0.002 | 0.04 | 0.69 | 5.1 | 1 | 2.8 | 40.3 | 0.64 | 0.08 | 2.54 | 0.322 | 0.16 | 1.2 |
| W845012 | | 4.7 | 0.4 | <0.002 | <0.01 | 0.20 | <0.1 | <1 | <0.2 | 2.6 | <0.05 | <0.05 | 0.01 | <0.005 | <0.02 | <0.1 |
| W845013 | | 134.0 | 11.7 | <0.002 | 0.04 | 4.71 | 6.2 | 3 | 0.6 | 23.3 | 0.05 | 0.22 | 1.89 | 0.028 | 0.09 | 3.3 |
| W845014 | | 8.4 | 11.0 | <0.002 | 0.02 | 5.93 | 2.6 | 1 | 1.7 | 4.1 | 0.05 | 0.06 | 0.62 | 0.021 | 0.06 | 0.8 |
| W845015 | | 6.3 | 76.8 | <0.002 | 0.03 | 0.59 | 7.0 | 2 | 1.8 | 32.9 | 0.81 | 0.06 | 5.22 | 0.317 | 0.35 | 1.7 |
| W845016 | | 5.9 | 0.6 | <0.002 | 0.01 | 0.60 | 1.7 | <1 | <0.2 | 77.0 | 0.05 | <0.05 | 0.35 | 0.019 | 0.02 | 0.1 |
| W845017 | | 3.9 | 10.9 | <0.002 | 0.01 | 0.48 | 2.0 | 1 | 0.6 | 16.4 | 0.14 | <0.05 | 1.30 | 0.062 | 0.07 | 0.5 |
| W845018 | | 4.8 | 14.2 | <0.002 | 0.05 | 0.65 | 2.1 | 1 | 0.3 | 89.1 | 0.08 | <0.05 | 1.25 | 0.035 | 0.09 | 0.7 |
| W845019 | | 6.0 | 3.3 | <0.002 | 2.16 | 1.02 | 0.4 | 3 | <0.2 | 11.5 | <0.05 | 0.05 | 0.28 | 0.011 | 0.04 | 0.4 |

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# CERTIFICATE OF ANALYSIS WH20154286

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W845001 | | 6 | 0.2 | 1.2 | 7 | 5.8 |
| W845002 | | 2 | 0.1 | 2.1 | 23 | 1.2 |
| W845003 | | 15 | 0.7 | 13.9 | 40 | 8.7 |
| W845004 | | 2 | 0.1 | 2.1 | 26 | 2.5 |
| W845005 | | 8 | 0.2 | 0.9 | 10 | 6.2 |
| W845006 | | 95 | 1.1 | 10.7 | 96 | 65.8 |
| W845007 | | 158 | 10.3 | 19.2 | 79 | 262 |
| W845008 | | 6 | 0.2 | 0.8 | 9 | 5.8 |
| W845009 | | 28 | 0.8 | 4.9 | 22 | 24.5 |
| W845010 | | 9 | 0.2 | 0.8 | 6 | 5.6 |
| W845011 | | 53 | 0.9 | 6.8 | 34 | 37.0 |
| W845012 | | <1 | <0.1 | <0.1 | 8 | <0.5 |
| W845013 | | 15 | 0.5 | 12.7 | 54 | 14.1 |
| W845014 | | 9 | 1.0 | 4.3 | 22 | 5.9 |
| W845015 | | 73 | 0.9 | 6.3 | 40 | 58.8 |
| W845016 | | 3 | 0.1 | 1.5 | 18 | 2.2 |
| W845017 | | 21 | 0.3 | 3.8 | 40 | 11.4 |
| W845018 | | 13 | 0.2 | 4.7 | 23 | 8.7 |
| W845019 | | 9 | 0.2 | 1.4 | 32 | 2.8 |

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

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

Project: Rau


**Finalized Date: 9-AUG-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20154286

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| BAG-01 | CRU-32 | CRU-QC | LOG-21 |
| PUL-32 | PUL-QC | SPL-21 | WEI-21 |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 27-AUG-2020**
**Account: RCM**

# CERTIFICATE WH20162281

Project: Rau

P.O. No.: R20-R02

This report is for 34 Rock samples submitted to our lab in Whitehorse, YT, Canada on 30-JUL-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| BAG-01 | Bulk Master for Storage |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |

## ANALYTICAL PROCEDURES

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 27-AUG-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20162281

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| W845020 | | 0.87 | <0.005 | 0.05 | 0.27 | 7.2 | 100 | 0.10 | 0.12 | 1.59 | 0.15 | 5.36 | 2.1 | 19 | 0.25 | 8.4 |
| W845021 | | 0.24 | <0.005 | 0.01 | 1.44 | 10.1 | 480 | 0.41 | 0.04 | 0.04 | 0.04 | 5.86 | 5.4 | 29 | 0.71 | 24.6 |
| W845022 | | 1.12 | 0.041 | 0.02 | 0.13 | 273 | 40 | 0.05 | 2.30 | 0.03 | 0.04 | 0.77 | 1.3 | 28 | 0.13 | 3.6 |
| W845023 | | 1.14 | 0.533 | 0.09 | 3.39 | 1330 | 970 | 1.03 | 28.2 | 0.03 | 0.10 | 54.7 | 4.7 | 105 | 1.47 | 3.4 |
| W845024 | | 1.04 | 0.167 | 0.07 | 3.63 | 880 | 1130 | 1.33 | 4.15 | 0.14 | 0.10 | 46.7 | 14.5 | 77 | 1.93 | 8.0 |
| W845025 | | 0.30 | 0.040 | 0.02 | 4.53 | 4990 | 1310 | 1.46 | 3.66 | 0.52 | 0.09 | 41.2 | 13.2 | 69 | 1.70 | 16.1 |
| W845026 | | 0.43 | 0.144 | 0.03 | 0.70 | 296 | 210 | 0.25 | 20.4 | 0.06 | 0.06 | 25.9 | 4.8 | 54 | 0.34 | 16.1 |
| W845027 | | 0.75 | 0.392 | 0.33 | 3.21 | 1940 | 810 | 1.14 | 152.5 | 0.07 | 0.14 | 38.4 | 6.9 | 53 | 1.36 | 10.9 |
| W845028 | | 0.43 | 0.349 | 0.02 | 1.42 | 471 | 390 | 0.45 | 3.03 | 0.06 | 0.10 | 14.95 | 9.8 | 29 | 0.55 | 5.1 |
| W845029 | | 0.29 | 0.014 | 0.08 | 0.75 | 12.6 | 310 | 0.30 | 0.21 | 0.59 | 0.31 | 8.43 | 2.8 | 25 | 0.42 | 16.3 |
| W845030 | | 0.29 | 0.036 | 0.01 | 0.75 | 178.0 | 210 | 0.25 | 0.40 | 0.03 | 0.10 | 11.85 | 5.3 | 29 | 0.34 | 4.3 |
| W845031 | | 0.91 | 0.022 | 0.01 | 4.60 | 130.5 | 1250 | 1.47 | 1.19 | 0.44 | <0.02 | 49.5 | 3.1 | 53 | 1.79 | 2.1 |
| W845032 | | 0.19 | 0.005 | 0.02 | 2.32 | 47.1 | 830 | 0.71 | 0.70 | 0.40 | 0.08 | 31.0 | 6.7 | 44 | 1.43 | 20.8 |
| W845033 | | 0.47 | 0.037 | 0.16 | 2.46 | 297 | 550 | 0.91 | 1.81 | 0.14 | 0.19 | 35.1 | 12.6 | 31 | 0.92 | 7.5 |
| W845034 | | 0.59 | 0.005 | 0.01 | 4.67 | 85.3 | 1630 | 1.72 | 0.30 | 0.15 | 0.16 | 38.8 | 11.1 | 43 | 2.25 | 32.3 |
| W845035 | | 1.42 | 0.383 | 0.06 | 1.54 | 444 | 410 | 0.60 | 4.18 | 0.41 | 0.14 | 41.2 | 13.4 | 41 | 0.69 | 6.8 |
| W845036 | | 0.66 | 0.505 | 0.37 | 3.54 | 502 | 1010 | 1.46 | 3.29 | 0.26 | 0.06 | 62.4 | 23.1 | 51 | 1.73 | 8.2 |
| W845037 | | 0.72 | 0.555 | 0.03 | 0.66 | 480 | 210 | 0.30 | 3.92 | 0.04 | 0.09 | 14.90 | 14.8 | 25 | 0.34 | 5.5 |
| W845038 | | 0.72 | 0.034 | 0.04 | 0.96 | 119.0 | 340 | 0.39 | 1.18 | 0.06 | 0.12 | 15.95 | 5.4 | 27 | 0.62 | 16.0 |
| W845039 | | 0.97 | 0.585 | 0.07 | 3.42 | 199.0 | 1270 | 1.36 | 3.00 | 0.11 | 0.28 | 34.9 | 10.0 | 55 | 2.10 | 30.0 |
| W845040 | | 0.31 | 0.162 | 0.14 | 1.48 | 136.0 | 540 | 0.55 | 5.52 | 0.44 | 0.09 | 20.2 | 8.6 | 34 | 0.88 | 31.9 |
| W845041 | | 0.35 | 0.714 | 0.30 | 3.12 | 271 | 1230 | 1.26 | 18.65 | 0.35 | 0.20 | 40.0 | 21.0 | 59 | 1.89 | 48.8 |
| W845042 | | 0.64 | 0.005 | 0.12 | 1.27 | 19.5 | 480 | 0.41 | 0.28 | 0.06 | 0.05 | 11.80 | 1.6 | 39 | 1.08 | 51.1 |
| W845043 | | 1.07 | <0.005 | 0.03 | 0.77 | 23.5 | 570 | 0.37 | 0.07 | 0.04 | 0.06 | 10.15 | 4.6 | 16 | 0.66 | 8.5 |
| W845044 | | 0.58 | 0.011 | 0.06 | 6.44 | 517 | 2540 | 2.21 | 0.44 | 0.20 | 0.40 | 78.7 | 7.6 | 49 | 2.96 | 17.8 |
| W845051 | | 0.34 | 6.39 | 0.29 | 1.11 | 1540 | 230 | 0.57 | 56.0 | 0.49 | 0.25 | 63.7 | 17.2 | 25 | 0.28 | 147.0 |
| W845052 | | 0.97 | 0.055 | 0.03 | 1.33 | 881 | 250 | 1.41 | 3.85 | 0.23 | 0.19 | 54.7 | 14.3 | 24 | 0.17 | 178.5 |
| W845053 | | 1.24 | 0.078 | 0.02 | 0.41 | 151.5 | 110 | 0.14 | 3.15 | 0.01 | 0.05 | 3.30 | 0.9 | 24 | 0.31 | 1.7 |
| W845054 | | 1.19 | 0.011 | 0.10 | 3.15 | 298 | 1070 | 1.05 | 0.81 | 0.15 | 0.11 | 36.4 | 7.1 | 52 | 1.44 | 158.5 |
| W845055 | | 0.50 | <0.005 | 0.03 | 1.04 | 199.5 | 320 | 0.43 | 0.32 | 0.34 | 0.11 | 16.50 | 7.8 | 21 | 0.48 | 37.1 |
| W845056 | | 0.46 | 0.212 | 0.15 | 2.31 | 198.5 | 520 | 0.56 | 6.54 | 0.06 | 0.57 | 32.3 | 8.7 | 39 | 1.13 | 37.4 |
| W845057 | | 0.61 | 0.167 | 0.02 | 1.37 | 115.0 | 520 | 0.48 | 0.14 | 0.06 | 0.58 | 17.45 | 8.3 | 22 | 0.52 | 12.3 |
| W845058 | | 0.57 | 0.014 | 0.06 | 7.00 | 661 | 2020 | 2.11 | 3.30 | 0.40 | 1.00 | 108.0 | 68.1 | 48 | 2.97 | 134.5 |
| W845059 | | 1.26 | 0.009 | 0.05 | 6.70 | 302 | 2210 | 2.22 | 0.87 | 0.33 | 0.55 | 115.5 | 28.5 | 49 | 3.09 | 81.2 |

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

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**Finalized Date: 27-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162281

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W845020 | | 1.71 | 0.83 | 0.07 | 0.1 | 0.019 | 0.09 | 2.6 | 0.7 | 0.76 | 569 | 0.75 | 0.02 | 0.8 | 6.9 | 170 |
| W845021 | | 2.52 | 3.04 | 0.06 | 0.6 | 0.010 | 0.58 | 2.7 | 2.8 | 0.07 | 234 | 1.44 | 0.03 | 4.1 | 17.7 | 420 |
| W845022 | | 1.50 | 0.37 | 0.06 | <0.1 | 0.005 | 0.05 | <0.5 | 0.4 | 0.01 | 124 | 0.76 | 0.01 | 0.1 | 2.9 | 170 |
| W845023 | | 5.10 | 10.10 | 0.12 | 1.2 | 0.028 | 1.52 | 30.7 | 3.8 | 0.16 | 218 | 3.38 | 0.04 | 6.9 | 7.2 | 820 |
| W845024 | | 8.43 | 10.10 | 0.13 | 1.6 | 0.035 | 1.65 | 25.0 | 5.3 | 0.21 | 814 | 2.71 | 0.04 | 9.2 | 23.7 | 1430 |
| W845025 | | 4.84 | 12.00 | 0.13 | 1.7 | 0.036 | 2.08 | 22.6 | 5.1 | 0.18 | 1050 | 2.86 | 0.05 | 9.5 | 29.2 | 2240 |
| W845026 | | 3.06 | 2.06 | 0.08 | 0.3 | 0.016 | 0.32 | 14.8 | 0.9 | 0.03 | 734 | 1.49 | 0.01 | 1.5 | 19.8 | 500 |
| W845027 | | 13.60 | 9.35 | 0.11 | 1.8 | 0.025 | 1.31 | 21.0 | 3.8 | 0.26 | 435 | 7.80 | 0.06 | 6.5 | 15.8 | 930 |
| W845028 | | 2.70 | 3.20 | 0.06 | 0.4 | 0.014 | 0.62 | 7.7 | 1.2 | 0.06 | 681 | 2.13 | 0.02 | 3.4 | 16.9 | 470 |
| W845029 | | 3.14 | 1.68 | 0.05 | 0.1 | 0.007 | 0.24 | 3.7 | 2.4 | 0.25 | 1230 | 3.08 | 0.02 | 0.6 | 9.4 | 1140 |
| W845030 | | 2.12 | 1.86 | 0.05 | 0.3 | 0.009 | 0.32 | 6.0 | 0.8 | 0.04 | 848 | 1.61 | 0.01 | 1.9 | 18.5 | 270 |
| W845031 | | 1.16 | 13.60 | 0.12 | 1.0 | 0.031 | 2.06 | 27.2 | 5.1 | 0.22 | 161 | 2.39 | 0.06 | 7.7 | 9.2 | 2120 |
| W845032 | | 4.03 | 6.35 | 0.09 | 0.7 | 0.050 | 0.81 | 17.1 | 6.0 | 0.51 | 500 | 2.06 | 0.08 | 8.2 | 16.0 | 850 |
| W845033 | | 2.71 | 5.78 | 0.11 | 0.9 | 0.030 | 1.28 | 15.7 | 6.1 | 0.15 | 1220 | 1.10 | 0.03 | 6.9 | 17.8 | 820 |
| W845034 | | 2.57 | 12.05 | 0.12 | 2.0 | 0.038 | 2.18 | 20.9 | 8.5 | 0.23 | 1160 | 0.97 | 0.04 | 11.9 | 40.4 | 1050 |
| W845035 | | 3.19 | 4.30 | 0.10 | 0.8 | 0.021 | 0.64 | 21.7 | 1.9 | 0.25 | 1100 | 4.13 | 0.03 | 5.8 | 26.9 | 750 |
| W845036 | | 3.46 | 10.35 | 0.14 | 1.8 | 0.030 | 1.57 | 32.5 | 5.7 | 0.27 | 1180 | 6.95 | 0.05 | 11.5 | 37.3 | 1440 |
| W845037 | | 3.23 | 1.92 | 0.07 | 0.3 | 0.024 | 0.29 | 8.2 | 0.9 | 0.05 | 1230 | 2.88 | 0.01 | 2.3 | 33.8 | 340 |
| W845038 | | 1.79 | 2.50 | 0.07 | 0.5 | 0.014 | 0.45 | 8.7 | 2.2 | 0.06 | 428 | 2.24 | 0.01 | 3.7 | 13.9 | 260 |
| W845039 | | 2.72 | 8.65 | 0.12 | 1.6 | 0.031 | 1.65 | 19.8 | 7.9 | 0.21 | 634 | 3.95 | 0.04 | 11.4 | 27.5 | 590 |
| W845040 | | 2.98 | 3.61 | 0.09 | 0.7 | 0.019 | 0.69 | 11.2 | 2.4 | 0.09 | 575 | 7.22 | 0.02 | 4.3 | 21.0 | 1740 |
| W845041 | | 6.26 | 8.02 | 0.13 | 1.7 | 0.032 | 1.47 | 22.8 | 6.7 | 0.19 | 1340 | 22.3 | 0.04 | 9.6 | 48.3 | 1670 |
| W845042 | | 2.35 | 3.93 | 0.07 | 0.3 | 0.013 | 0.44 | 7.1 | 7.2 | 0.33 | 197 | 0.89 | 0.03 | 2.7 | 5.5 | 150 |
| W845043 | | 1.75 | 3.01 | 0.05 | 0.2 | 0.011 | 0.29 | 4.9 | 2.7 | 0.07 | 2340 | 0.79 | 0.02 | 2.6 | 13.6 | 70 |
| W845044 | | 2.47 | 17.95 | 0.17 | 3.9 | 0.063 | 2.90 | 42.3 | 7.2 | 0.40 | 448 | 6.33 | 0.11 | 45.7 | 14.1 | 1070 |
| W845051 | | 7.56 | 3.76 | 0.15 | 0.7 | 0.167 | 0.29 | 36.3 | 1.5 | 0.17 | 360 | 7.82 | 0.04 | 1.2 | 39.6 | 3630 |
| W845052 | | 14.80 | 5.38 | 0.14 | 1.0 | 0.520 | 0.17 | 27.1 | 1.3 | 0.23 | 1120 | 8.44 | 0.06 | 1.1 | 38.2 | 4840 |
| W845053 | | 1.19 | 1.32 | <0.05 | 0.1 | 0.005 | 0.18 | 1.8 | 0.6 | 0.02 | 87 | 1.03 | 0.01 | 1.1 | 2.5 | 120 |
| W845054 | | 3.43 | 8.42 | 0.11 | 1.4 | 0.039 | 1.47 | 20.8 | 6.2 | 0.15 | 185 | 3.91 | 0.03 | 8.1 | 28.6 | 1380 |
| W845055 | | 3.09 | 2.83 | 0.07 | 0.4 | 0.018 | 0.47 | 9.5 | 1.3 | 0.13 | 633 | 1.12 | 0.02 | 2.8 | 28.0 | 850 |
| W845056 | | 5.11 | 5.33 | 0.08 | 1.8 | 0.018 | 0.83 | 16.1 | 6.5 | 0.11 | 421 | 10.90 | 0.02 | 5.1 | 30.2 | 310 |
| W845057 | | 2.86 | 3.54 | 0.06 | 0.3 | 0.041 | 0.55 | 7.9 | 1.5 | 0.11 | 785 | 1.78 | 0.01 | 5.7 | 14.7 | 410 |
| W845058 | | 9.87 | 17.40 | 0.20 | 3.8 | 0.088 | 2.67 | 56.8 | 8.3 | 0.97 | 583 | 13.40 | 0.05 | 57.3 | 114.0 | 2320 |
| W845059 | | 6.55 | 17.20 | 0.20 | 3.7 | 0.095 | 2.82 | 62.3 | 6.4 | 0.68 | 430 | 2.78 | 0.05 | 41.2 | 42.9 | 2140 |

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# CERTIFICATE OF ANALYSIS WH20162281

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W845020 | | 1.3 | 3.9 | <0.002 | 0.01 | 0.28 | 1.5 | <1 | 0.9 | 41.0 | <0.05 | <0.05 | 0.41 | 0.013 | 0.03 | 0.4 |
| W845021 | | 1.3 | 24.3 | <0.002 | 0.01 | 0.29 | 1.7 | 1 | 1.3 | 8.0 | 0.20 | <0.05 | 1.20 | 0.067 | 0.14 | 1.6 |
| W845022 | | 2.0 | 2.0 | <0.002 | 0.01 | 0.25 | 0.6 | 1 | 0.4 | 1.8 | <0.05 | <0.05 | 0.28 | <0.005 | 0.03 | 0.4 |
| W845023 | | 6.9 | 64.0 | <0.002 | 0.03 | 0.73 | 6.5 | 2 | 11.3 | 29.3 | 0.37 | 0.24 | 5.51 | 0.128 | 0.33 | 2.7 |
| W845024 | | 7.0 | 71.1 | <0.002 | 0.05 | 0.70 | 7.8 | 1 | 12.0 | 48.8 | 0.48 | 0.06 | 6.43 | 0.173 | 0.38 | 3.8 |
| W845025 | | 4.0 | 85.6 | <0.002 | 0.01 | 1.27 | 7.2 | 1 | 11.1 | 44.0 | 0.51 | 0.23 | 7.02 | 0.158 | 0.45 | 2.4 |
| W845026 | | 2.3 | 14.0 | <0.002 | 0.02 | 1.43 | 1.6 | 1 | 2.9 | 6.6 | 0.08 | 0.05 | 1.52 | 0.028 | 0.07 | 0.8 |
| W845027 | | 5.8 | 54.7 | <0.002 | 0.03 | 2.02 | 7.1 | 3 | 11.6 | 16.6 | 0.32 | 0.17 | 5.75 | 0.142 | 0.25 | 4.1 |
| W845028 | | 4.3 | 24.9 | <0.002 | 0.04 | 0.45 | 2.2 | 1 | 4.3 | 7.2 | 0.18 | <0.05 | 1.32 | 0.065 | 0.14 | 1.1 |
| W845029 | | 16.6 | 10.5 | <0.002 | 0.02 | 0.72 | 1.4 | 1 | 0.2 | 47.6 | <0.05 | <0.05 | 0.62 | 0.015 | 0.07 | 0.8 |
| W845030 | | 2.9 | 13.7 | <0.002 | 0.05 | 0.34 | 1.5 | 1 | 2.4 | 3.8 | 0.09 | <0.05 | 0.93 | 0.036 | 0.08 | 0.5 |
| W845031 | | 2.9 | 88.2 | <0.002 | 0.01 | 0.47 | 7.2 | 1 | 17.5 | 39.4 | 0.44 | <0.05 | 6.47 | 0.155 | 0.42 | 1.8 |
| W845032 | | 2.3 | 36.3 | <0.002 | 0.02 | 0.67 | 4.6 | 1 | 2.5 | 15.1 | 0.44 | <0.05 | 3.34 | 0.161 | 0.23 | 1.2 |
| W845033 | | 20.4 | 44.4 | <0.002 | 0.02 | 1.14 | 4.4 | 1 | 3.4 | 8.6 | 0.34 | 0.05 | 4.21 | 0.124 | 0.20 | 1.6 |
| W845034 | | 1.7 | 91.3 | <0.002 | 0.01 | 1.85 | 8.6 | 2 | 8.1 | 18.6 | 0.72 | <0.05 | 8.44 | 0.209 | 0.57 | 2.3 |
| W845035 | | 5.9 | 26.2 | <0.002 | 0.06 | 0.79 | 3.4 | 1 | 5.9 | 11.2 | 0.30 | <0.05 | 2.84 | 0.109 | 0.13 | 1.9 |
| W845036 | | 2.8 | 68.8 | <0.002 | 0.02 | 0.75 | 8.9 | 1 | 13.1 | 16.0 | 0.59 | <0.05 | 6.65 | 0.217 | 0.30 | 2.8 |
| W845037 | | 3.3 | 12.0 | <0.002 | 0.07 | 0.54 | 2.2 | 1 | 2.4 | 3.4 | 0.12 | <0.05 | 1.10 | 0.045 | 0.06 | 1.2 |
| W845038 | | 4.8 | 19.7 | <0.002 | 0.02 | 0.95 | 2.1 | 2 | 1.0 | 5.4 | 0.21 | 0.06 | 1.33 | 0.073 | 0.12 | 0.8 |
| W845039 | | 6.2 | 69.4 | <0.002 | 0.01 | 1.88 | 8.2 | 2 | 3.0 | 12.6 | 0.60 | 0.10 | 4.01 | 0.228 | 0.40 | 2.2 |
| W845040 | | 9.1 | 28.6 | <0.002 | 0.04 | 1.95 | 2.8 | 2 | 1.1 | 18.7 | 0.24 | 0.11 | 1.89 | 0.090 | 0.21 | 1.4 |
| W845041 | | 15.8 | 62.1 | <0.002 | 0.03 | 5.19 | 7.7 | 3 | 2.2 | 20.8 | 0.49 | 0.26 | 3.79 | 0.188 | 0.40 | 3.4 |
| W845042 | | 3.3 | 19.3 | <0.002 | 0.03 | 0.58 | 3.1 | 1 | 0.4 | 8.9 | 0.15 | <0.05 | 1.65 | 0.058 | 0.13 | 1.0 |
| W845043 | | 1.8 | 14.5 | <0.002 | <0.01 | 0.53 | 2.5 | <1 | 0.2 | 7.1 | 0.11 | <0.05 | 0.93 | 0.043 | 0.07 | 0.4 |
| W845044 | | 4.7 | 116.0 | <0.002 | 0.01 | 1.42 | 14.4 | 1 | 18.0 | 28.2 | 2.25 | <0.05 | 10.35 | 0.635 | 0.62 | 4.1 |
| W845051 | | 12.3 | 11.1 | 0.002 | 0.03 | 4.28 | 3.6 | 5 | 4.3 | 58.3 | 0.07 | 0.13 | 7.77 | 0.037 | 0.47 | 6.8 |
| W845052 | | 7.9 | 6.9 | <0.002 | 0.06 | 6.69 | 5.8 | 2 | 3.0 | 197.5 | 0.07 | <0.05 | 11.95 | 0.032 | 0.30 | 11.0 |
| W845053 | | 2.4 | 7.0 | <0.002 | 0.01 | 0.29 | 0.7 | 1 | 1.5 | 4.2 | 0.06 | <0.05 | 0.51 | 0.021 | 0.04 | 0.4 |
| W845054 | | 4.4 | 64.4 | <0.002 | 0.01 | 4.44 | 6.9 | 3 | 6.5 | 17.9 | 0.51 | 0.05 | 4.12 | 0.189 | 0.51 | 3.6 |
| W845055 | | 6.0 | 20.0 | <0.002 | 0.01 | 0.42 | 2.2 | 1 | 2.1 | 14.4 | 0.16 | <0.05 | 1.55 | 0.043 | 0.11 | 1.0 |
| W845056 | | 12.0 | 34.8 | <0.002 | 0.02 | 2.27 | 3.5 | 2 | 1.1 | 18.8 | 0.34 | 0.08 | 5.20 | 0.143 | 0.24 | 2.1 |
| W845057 | | 4.4 | 21.4 | <0.002 | 0.01 | 0.71 | 3.5 | 1 | 1.7 | 7.5 | 0.30 | <0.05 | 1.58 | 0.095 | 0.11 | 0.8 |
| W845058 | | 5.5 | 107.5 | <0.002 | 0.05 | 1.61 | 13.1 | 2 | 6.5 | 39.5 | 2.90 | 0.12 | 11.35 | 0.711 | 0.55 | 6.0 |
| W845059 | | 2.4 | 111.0 | <0.002 | 0.04 | 0.78 | 12.7 | 1 | 6.4 | 42.5 | 2.11 | <0.05 | 13.55 | 0.546 | 0.54 | 5.6 |

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

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


**Finalized Date: 27-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162281

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W845020 | | 12 | 0.2 | 6.0 | 21 | 4.0 |
| W845021 | | 29 | 0.3 | 2.0 | 20 | 21.7 |
| W845022 | | 5 | 1.5 | 1.1 | 6 | 1.0 |
| W845023 | | 167 | 2.1 | 3.9 | 13 | 49.8 |
| W845024 | | 120 | 2.4 | 8.7 | 16 | 66.5 |
| W845025 | | 183 | 2.3 | 13.6 | 14 | 62.8 |
| W845026 | | 25 | 0.5 | 5.6 | 8 | 12.1 |
| W845027 | | 104 | 2.2 | 6.1 | 16 | 82.7 |
| W845028 | | 28 | 0.9 | 2.7 | 21 | 17.6 |
| W845029 | | 50 | 0.1 | 7.2 | 44 | 5.5 |
| W845030 | | 18 | 0.6 | 2.0 | 14 | 11.3 |
| W845031 | | 329 | 2.8 | 7.9 | 6 | 42.6 |
| W845032 | | 81 | 0.7 | 5.3 | 16 | 32.4 |
| W845033 | | 40 | 1.1 | 6.3 | 19 | 39.4 |
| W845034 | | 181 | 2.3 | 9.2 | 13 | 81.5 |
| W845035 | | 55 | 1.5 | 6.3 | 14 | 32.6 |
| W845036 | | 154 | 3.0 | 9.5 | 9 | 85.6 |
| W845037 | | 25 | 0.7 | 5.2 | 9 | 15.7 |
| W845038 | | 35 | 1.1 | 3.5 | 21 | 22.5 |
| W845039 | | 127 | 3.0 | 6.5 | 33 | 63.4 |
| W845040 | | 66 | 1.5 | 7.6 | 38 | 32.1 |
| W845041 | | 147 | 2.8 | 10.1 | 71 | 82.2 |
| W845042 | | 36 | 0.3 | 1.9 | 30 | 16.1 |
| W845043 | | 25 | 0.2 | 1.8 | 15 | 9.5 |
| W845044 | | 174 | 6.5 | 12.4 | 21 | 145.5 |
| W845051 | | 71 | 1.1 | 12.7 | 19 | 25.1 |
| W845052 | | 75 | 1.2 | 15.9 | 26 | 55.5 |
| W845053 | | 20 | 0.3 | 0.5 | 4 | 5.4 |
| W845054 | | 177 | 2.5 | 11.5 | 10 | 58.2 |
| W845055 | | 54 | 0.7 | 5.5 | 13 | 16.4 |
| W845056 | | 64 | 1.3 | 5.1 | 37 | 66.6 |
| W845057 | | 22 | 1.4 | 4.4 | 39 | 12.2 |
| W845058 | | 162 | 4.9 | 21.4 | 176 | 166.0 |
| W845059 | | 147 | 4.2 | 16.1 | 113 | 168.0 |

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

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 27-AUG-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20162281

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| BAG-01 | CRU-32 | CRU-QC | LOG-21 |
| PUL-32 | PUL-QC | SPL-21 | WEI-21 |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 25-AUG-2020**
**Account: RCM**

# CERTIFICATE WH20162283

Project: Rau

P.O. No.: R20-R03

This report is for 84 Rock samples submitted to our lab in Whitehorse, YT, Canada on 30-JUL-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| DRY-22 | Drying - Maximum Temp 60C |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| BAG-01 | Bulk Master for Storage |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |

## ANALYTICAL PROCEDURES

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| W843551 | | 0.52 | <0.005 | 0.06 | 2.24 | 16.0 | 590 | 0.97 | 0.46 | 0.12 | 0.10 | 34.4 | 6.7 | 39 | 1.44 | 31.6 |
| W843552 | | 0.41 | <0.005 | 0.04 | 1.33 | 25.5 | 340 | 0.56 | 0.31 | 0.03 | 0.08 | 20.9 | 7.4 | 31 | 0.90 | 23.6 |
| W843553 | | 0.73 | 0.241 | 0.16 | 2.65 | 177.0 | 600 | 1.46 | 2.55 | 0.12 | 0.40 | 63.2 | 18.2 | 47 | 1.34 | 8.3 |
| W843554 | | 0.73 | <0.005 | 0.04 | 3.66 | 12.1 | 980 | 1.09 | 0.22 | 0.12 | 0.10 | 56.8 | 10.1 | 36 | 2.88 | 34.9 |
| W843555 | | 1.49 | <0.005 | 0.06 | 0.05 | 97.9 | 30 | <0.05 | 0.38 | 0.01 | 0.11 | 22.1 | 1.2 | 25 | 0.47 | 4.9 |
| W843556 | | 0.21 | 0.010 | 0.10 | 3.10 | 2300 | 650 | 1.30 | 1.60 | 0.22 | 1.42 | 48.8 | 37.1 | 32 | 1.65 | 53.0 |
| W843557 | | 0.88 | <0.005 | 0.02 | 8.86 | 29.0 | 3080 | 2.62 | 0.35 | 0.30 | 0.03 | 153.0 | 5.8 | 53 | 8.10 | 11.2 |
| W843558 | | 1.64 | 0.043 | 0.28 | 5.28 | 76.0 | 1800 | 2.02 | 0.55 | 0.29 | 0.15 | 59.9 | 14.5 | 68 | 3.92 | 105.5 |
| W843559 | | 1.11 | 0.008 | 0.08 | 5.30 | 44.6 | 1700 | 1.92 | 0.17 | 0.13 | 0.09 | 63.0 | 5.1 | 77 | 3.87 | 34.5 |
| W843560 | | 5.92 | <0.005 | 0.03 | 0.31 | 250 | 60 | 0.09 | 0.16 | 0.05 | 0.08 | 2.12 | 1.4 | 57 | 0.60 | 3.4 |
| W843561 | | 0.88 | 0.044 | 0.08 | 7.84 | 16.0 | 1680 | 1.65 | 1.54 | 0.40 | 0.05 | 111.0 | 15.0 | 47 | 4.73 | 88.7 |
| W843562 | | 1.02 | 0.014 | 0.03 | 2.75 | 93.8 | 730 | 0.94 | 0.41 | 0.37 | 0.11 | 29.6 | 10.2 | 44 | 1.57 | 39.9 |
| W843563 | | 0.44 | <0.005 | 0.17 | 3.99 | 94.3 | 30 | 1.35 | 8.58 | 0.16 | 0.06 | 73.9 | 10.7 | 59 | 0.10 | 31.2 |
| W843564 | | 0.64 | <0.005 | 0.06 | 0.96 | 19.2 | 310 | 0.33 | 0.28 | 0.28 | 0.14 | 12.65 | 13.5 | 35 | 0.46 | 67.9 |
| W843565 | | 0.88 | 0.006 | 0.03 | 6.96 | 28.6 | 2260 | 2.27 | 0.15 | 0.86 | 0.10 | 89.0 | 12.0 | 48 | 3.33 | 10.4 |
| W843566 | | 0.61 | 0.005 | 0.08 | 2.14 | 28.4 | 690 | 0.81 | 0.68 | 0.92 | 0.18 | 25.3 | 11.7 | 43 | 0.92 | 42.6 |
| W843567 | | 1.79 | 0.005 | 0.03 | 6.64 | 62.0 | 1990 | 2.55 | 0.72 | 0.31 | 0.02 | 82.1 | 10.3 | 62 | 6.99 | 12.7 |
| W843568 | | 2.36 | 0.010 | 0.06 | 3.03 | 450 | 780 | 1.12 | 0.50 | 0.13 | 0.16 | 38.3 | 16.5 | 61 | 1.75 | 20.3 |
| W843569 | | 1.91 | <0.005 | 0.18 | 1.46 | 16.6 | 520 | 0.59 | 0.24 | 0.61 | 0.28 | 10.55 | 5.7 | 46 | 0.73 | 71.8 |
| W843570 | | 1.38 | 0.008 | 0.24 | 1.03 | 3.5 | 220 | 0.44 | 0.26 | 0.11 | 0.29 | 13.80 | 22.9 | 35 | 0.66 | 88.7 |
| W843571 | | 0.30 | <0.005 | 0.03 | 0.39 | 2.9 | 100 | 0.14 | 0.04 | 0.02 | 0.12 | 4.53 | 3.2 | 43 | 0.33 | 4.0 |
| W843572 | | 1.17 | 0.009 | 0.06 | 2.76 | 12.7 | 1020 | 1.05 | 0.15 | 0.10 | 0.17 | 16.85 | 8.7 | 44 | 1.71 | 50.7 |
| W843573 | | 2.43 | 0.008 | 0.10 | 3.36 | 3.5 | 800 | 1.06 | 0.12 | 0.43 | 0.44 | 47.0 | 13.2 | 41 | 1.97 | 32.7 |
| W843601 | | 2.28 | 0.023 | 0.03 | 1.27 | 1300 | 220 | 0.69 | 1.37 | 0.01 | 0.09 | 31.7 | 14.1 | 56 | 1.05 | 1.3 |
| W843602 | | 2.29 | <0.005 | 0.04 | 0.29 | 276 | 60 | 0.12 | 1.81 | 0.01 | 0.09 | 3.03 | 5.0 | 52 | 0.64 | 3.4 |
| W843603 | | 1.59 | 0.021 | 0.02 | 4.24 | 330 | 750 | 1.62 | 0.66 | 0.09 | 0.13 | 54.5 | 8.5 | 66 | 2.53 | 2.7 |
| W843604 | | 1.81 | 0.008 | 0.05 | 1.87 | 555 | 320 | 0.64 | 1.16 | 0.05 | 0.14 | 18.05 | 10.8 | 47 | 1.20 | 3.5 |
| W843605 | | 1.94 | 0.006 | 0.03 | 1.75 | 39.6 | 210 | 0.38 | 0.16 | 0.08 | 0.04 | 16.25 | 6.1 | 54 | 1.05 | 11.2 |
| W843606 | | 2.01 | 0.059 | 0.04 | 1.43 | 138.5 | 210 | 0.60 | 0.31 | 0.17 | 0.16 | 21.9 | 14.0 | 47 | 1.63 | 21.9 |
| W843607 | | 2.08 | <0.005 | 0.12 | 4.30 | 23.2 | 990 | 1.40 | 0.40 | 0.50 | 0.25 | 74.6 | 10.1 | 53 | 7.18 | 48.2 |
| W843608 | | 1.94 | 0.013 | 0.03 | 2.94 | 41.2 | 730 | 0.82 | 0.17 | 0.51 | 0.15 | 29.9 | 8.4 | 42 | 4.91 | 7.4 |
| W843609 | | 2.17 | 0.026 | 0.01 | 2.89 | 81.4 | 580 | 0.82 | 0.27 | 0.26 | 0.09 | 24.0 | 6.1 | 47 | 1.64 | 6.0 |
| W843610 | | 1.69 | <0.005 | 0.03 | 0.99 | 14.0 | 380 | 0.37 | 0.10 | 0.03 | 0.09 | 14.15 | 5.5 | 44 | 0.79 | 31.3 |
| W843611 | | 1.88 | 0.031 | 0.02 | 1.41 | 94.8 | 330 | 0.48 | 0.62 | 0.18 | 0.05 | 26.8 | 7.7 | 47 | 0.85 | 7.2 |
| W843612 | | 1.06 | 0.010 | 0.01 | 1.94 | 17.2 | 450 | 0.50 | 0.46 | 0.16 | 0.05 | 25.4 | 5.4 | 45 | 1.05 | 15.9 |
| W843613 | | 2.03 | 0.033 | 0.01 | 2.13 | 358 | 410 | 0.71 | 5.70 | 0.07 | 0.05 | 44.9 | 3.8 | 45 | 1.23 | 2.9 |
| W843614 | | 1.40 | 0.165 | 0.01 | 1.62 | 416 | 330 | 0.53 | 3.14 | 0.11 | 0.04 | 27.3 | 6.7 | 41 | 0.88 | 4.4 |
| W843615 | | 1.22 | 0.023 | 0.02 | 2.59 | 342 | 550 | 0.84 | 2.40 | 0.09 | 0.06 | 40.8 | 6.3 | 43 | 1.33 | 4.1 |
| W843616 | | 1.30 | 0.062 | 0.01 | 1.95 | 299 | 410 | 0.61 | 3.28 | 0.09 | 0.06 | 44.4 | 5.1 | 47 | 1.01 | 1.3 |
| W843617 | | 1.10 | 0.060 | 0.14 | 6.99 | 519 | 2020 | 2.57 | 6.50 | 0.30 | 0.06 | 111.5 | 20.4 | 55 | 4.39 | 87.0 |

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

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**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W843551 | | 1.82 | 6.21 | 0.14 | 1.0 | 0.024 | 1.06 | 19.1 | 4.0 | 0.15 | 444 | 1.24 | 0.03 | 9.0 | 18.7 | 950 |
| W843552 | | 2.62 | 3.64 | 0.09 | 0.6 | 0.017 | 0.63 | 11.2 | 2.3 | 0.09 | 472 | 0.91 | 0.02 | 5.6 | 17.2 | 600 |
| W843553 | | 2.82 | 8.21 | 0.16 | 1.2 | 0.025 | 1.07 | 34.6 | 5.2 | 0.25 | 1380 | 3.26 | 0.04 | 8.6 | 65.8 | 1480 |
| W843554 | | 5.05 | 9.91 | 0.15 | 0.9 | 0.063 | 1.47 | 29.6 | 7.2 | 0.90 | 309 | 0.60 | 0.04 | 29.1 | 16.6 | 650 |
| W843555 | | 1.04 | 0.39 | 0.08 | <0.1 | 0.010 | 0.03 | 11.9 | 0.4 | 0.01 | 109 | 0.45 | 0.01 | 0.1 | 3.0 | 40 |
| W843556 | | 25.3 | 7.92 | 0.15 | 1.2 | 0.322 | 1.37 | 25.4 | 5.4 | 0.25 | 1890 | 8.10 | 0.04 | 6.5 | 105.0 | 1240 |
| W843557 | | 5.55 | 26.5 | 0.26 | 3.5 | 0.105 | 3.86 | 79.4 | 15.7 | 1.88 | 333 | 0.85 | 0.17 | 95.3 | 7.4 | 1770 |
| W843558 | | 5.89 | 13.45 | 0.17 | 3.1 | 0.052 | 2.37 | 32.1 | 11.9 | 0.56 | 237 | 13.10 | 0.08 | 22.7 | 43.1 | 2180 |
| W843559 | | 4.52 | 13.40 | 0.16 | 3.0 | 0.047 | 2.35 | 33.2 | 12.0 | 0.50 | 330 | 3.81 | 0.08 | 25.0 | 16.3 | 1230 |
| W843560 | | 0.90 | 0.87 | 0.07 | <0.1 | 0.008 | 0.14 | 1.1 | 0.7 | 0.02 | 179 | 0.41 | 0.02 | 0.3 | 3.8 | 160 |
| W843561 | | 9.00 | 21.6 | 0.22 | 3.2 | 0.089 | 2.30 | 55.9 | 22.0 | 2.07 | 637 | 0.56 | 0.57 | 39.6 | 29.3 | 2040 |
| W843562 | | 3.43 | 6.81 | 0.12 | 1.2 | 0.050 | 1.03 | 14.7 | 7.2 | 0.53 | 589 | 0.45 | 0.05 | 13.7 | 22.6 | 620 |
| W843563 | | 3.22 | 10.80 | 0.16 | 1.0 | 0.018 | 0.03 | 38.5 | 2.4 | 1.19 | 351 | 1.07 | 0.31 | 17.8 | 17.8 | 270 |
| W843564 | | 3.21 | 2.20 | 0.09 | 0.2 | 0.024 | 0.35 | 6.1 | 2.1 | 0.07 | 869 | 1.13 | 0.03 | 3.4 | 27.2 | 490 |
| W843565 | | 5.81 | 20.1 | 0.21 | 1.8 | 0.073 | 2.43 | 46.9 | 14.9 | 0.73 | 586 | 0.44 | 0.41 | 44.4 | 19.9 | 1550 |
| W843566 | | 2.73 | 5.72 | 0.11 | 0.8 | 0.040 | 0.76 | 13.4 | 3.6 | 0.33 | 683 | 0.61 | 0.05 | 11.3 | 22.5 | 470 |
| W843567 | | 5.20 | 18.40 | 0.21 | 4.9 | 0.054 | 3.32 | 40.7 | 16.9 | 1.31 | 696 | 1.50 | 0.07 | 63.6 | 23.1 | 1410 |
| W843568 | | 3.29 | 8.36 | 0.16 | 1.0 | 0.031 | 1.45 | 19.6 | 4.1 | 0.16 | 921 | 1.04 | 0.04 | 8.7 | 24.5 | 630 |
| W843569 | | 2.16 | 3.18 | 0.10 | 0.3 | 0.044 | 0.61 | 6.3 | 3.4 | 0.34 | 836 | 1.90 | 0.03 | 1.4 | 16.4 | 990 |
| W843570 | | 2.89 | 2.65 | 0.08 | 0.3 | 0.020 | 0.29 | 6.2 | 5.2 | 0.24 | 196 | 0.59 | 0.08 | 3.2 | 59.2 | 320 |
| W843571 | | 2.36 | 1.12 | 0.07 | 0.1 | 0.012 | 0.14 | 2.2 | 1.7 | 0.04 | 466 | 1.09 | 0.02 | 1.4 | 5.9 | 220 |
| W843572 | | 1.77 | 7.06 | 0.11 | 1.2 | 0.022 | 1.19 | 7.9 | 12.1 | 0.19 | 506 | 5.89 | 0.05 | 9.2 | 25.2 | 780 |
| W843573 | | 4.34 | 8.25 | 0.14 | 0.8 | 0.040 | 0.97 | 23.6 | 16.8 | 0.99 | 491 | 0.38 | 0.23 | 20.9 | 28.8 | 620 |
| W843601 | | 5.13 | 4.88 | 0.10 | <0.1 | 0.347 | 0.67 | 16.8 | 4.6 | 0.11 | 412 | 2.03 | 0.02 | 0.5 | 10.8 | 310 |
| W843602 | | 2.38 | 0.96 | 0.06 | 0.1 | 0.020 | 0.12 | 1.5 | 0.8 | 0.03 | 162 | 0.52 | 0.02 | 0.8 | 8.1 | 220 |
| W843603 | | 2.39 | 12.65 | 0.16 | 1.6 | 0.052 | 1.95 | 28.6 | 6.7 | 0.29 | 628 | 0.98 | 0.05 | 13.4 | 14.1 | 630 |
| W843604 | | 2.21 | 4.91 | 0.10 | 0.4 | 0.034 | 0.88 | 9.6 | 2.6 | 0.09 | 329 | 0.70 | 0.03 | 2.9 | 13.3 | 570 |
| W843605 | | 2.90 | 4.72 | 0.09 | 0.4 | 0.021 | 0.43 | 8.5 | 9.7 | 0.64 | 299 | 0.56 | 0.02 | 7.9 | 18.0 | 440 |
| W843606 | | 2.95 | 3.64 | 0.10 | 0.4 | 0.020 | 0.49 | 11.4 | 4.2 | 0.60 | 894 | 0.67 | 0.02 | 8.1 | 24.1 | 510 |
| W843607 | | 4.59 | 10.65 | 0.17 | 1.5 | 0.047 | 1.51 | 39.4 | 17.3 | 1.16 | 647 | 0.32 | 0.16 | 28.4 | 22.1 | 1230 |
| W843608 | | 2.70 | 7.48 | 0.13 | 0.7 | 0.028 | 1.28 | 16.1 | 11.5 | 0.65 | 764 | 0.52 | 0.04 | 13.1 | 14.7 | 1140 |
| W843609 | | 1.40 | 7.60 | 0.16 | 0.5 | 0.018 | 1.31 | 12.4 | 3.1 | 0.13 | 635 | 0.34 | 0.05 | 10.2 | 34.5 | 900 |
| W843610 | | 2.26 | 2.52 | 0.08 | 0.4 | 0.023 | 0.46 | 7.6 | 1.7 | 0.06 | 328 | 2.55 | 0.02 | 4.1 | 22.2 | 360 |
| W843611 | | 1.71 | 3.55 | 0.11 | 0.4 | 0.016 | 0.66 | 14.1 | 2.4 | 0.11 | 581 | 0.59 | 0.02 | 5.8 | 20.3 | 440 |
| W843612 | | 2.57 | 4.61 | 0.11 | 0.8 | 0.022 | 0.66 | 12.7 | 5.2 | 0.31 | 305 | 1.10 | 0.18 | 10.0 | 11.7 | 460 |
| W843613 | | 4.72 | 5.12 | 0.13 | 0.6 | 0.016 | 0.99 | 24.3 | 4.2 | 0.15 | 326 | 1.12 | 0.03 | 6.8 | 10.6 | 590 |
| W843614 | | 3.51 | 3.49 | 0.10 | 0.4 | 0.015 | 0.75 | 14.3 | 2.7 | 0.12 | 427 | 1.14 | 0.02 | 5.4 | 22.5 | 470 |
| W843615 | | 2.66 | 6.46 | 0.12 | 0.9 | 0.025 | 1.19 | 21.7 | 4.5 | 0.17 | 553 | 0.83 | 0.03 | 12.4 | 13.8 | 620 |
| W843616 | | 3.02 | 4.59 | 0.12 | 1.0 | 0.018 | 0.91 | 24.4 | 3.3 | 0.14 | 402 | 1.14 | 0.03 | 9.0 | 13.0 | 600 |
| W843617 | | 7.53 | 19.50 | 0.21 | 3.2 | 0.065 | 3.38 | 59.6 | 10.6 | 0.49 | 786 | 6.01 | 0.07 | 32.1 | 40.3 | 2640 |

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

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**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W843551 | | 4.6 | 41.9 | <0.002 | <0.01 | 1.78 | 6.5 | 1 | 2.4 | 20.8 | 0.47 | <0.05 | 2.67 | 0.183 | 0.25 | 1.1 |
| W843552 | | 5.2 | 24.4 | <0.002 | 0.01 | 1.13 | 3.3 | 1 | 1.9 | 10.3 | 0.29 | <0.05 | 1.83 | 0.114 | 0.15 | 0.8 |
| W843553 | | 8.8 | 41.2 | <0.002 | 0.03 | 2.03 | 8.2 | 1 | 13.6 | 77.5 | 0.46 | <0.05 | 3.64 | 0.169 | 0.24 | 4.4 |
| W843554 | | 5.5 | 59.3 | <0.002 | 0.04 | 1.57 | 7.2 | 1 | 3.2 | 22.3 | 1.40 | <0.05 | 6.46 | 0.352 | 0.34 | 0.9 |
| W843555 | | 8.0 | 1.2 | <0.002 | 0.01 | 0.73 | 0.1 | 1 | 0.6 | 4.2 | <0.05 | <0.05 | 0.27 | <0.005 | 0.04 | 0.2 |
| W843556 | | 17.7 | 55.8 | 0.003 | 0.09 | 3.37 | 4.9 | 4 | 13.3 | 14.2 | 0.30 | 0.08 | 5.38 | 0.116 | 0.27 | 10.8 |
| W843557 | | 4.8 | 153.0 | 0.002 | 0.10 | 1.78 | 19.8 | 1 | 4.6 | 42.6 | 5.18 | <0.05 | 15.50 | 1.025 | 0.94 | 2.6 |
| W843558 | | 6.7 | 93.2 | 0.002 | 0.13 | 3.66 | 11.2 | 3 | 1.6 | 71.2 | 1.22 | 0.14 | 8.48 | 0.376 | 0.69 | 8.6 |
| W843559 | | 4.5 | 91.8 | <0.002 | 0.11 | 1.80 | 11.3 | 1 | 1.5 | 67.3 | 1.34 | 0.09 | 9.11 | 0.402 | 0.59 | 6.9 |
| W843560 | | 3.9 | 5.2 | <0.002 | 0.02 | 0.41 | 0.5 | <1 | 1.5 | 5.7 | <0.05 | 0.05 | 0.23 | 0.009 | 0.06 | 0.1 |
| W843561 | | 2.4 | 111.0 | 0.002 | 0.30 | 0.72 | 18.7 | 3 | 10.0 | 148.0 | 1.96 | 0.08 | 11.30 | 0.876 | 0.66 | 3.2 |
| W843562 | | 2.6 | 47.6 | <0.002 | 0.01 | 0.61 | 4.6 | 2 | 4.8 | 26.1 | 0.72 | <0.05 | 3.99 | 0.248 | 0.25 | 1.4 |
| W843563 | | 7.5 | 1.1 | <0.002 | 0.01 | 1.58 | 9.2 | <1 | 12.4 | 65.1 | 0.92 | 0.10 | 7.19 | 0.363 | 0.04 | 1.0 |
| W843564 | | 9.6 | 16.4 | <0.002 | 0.01 | 0.66 | 1.6 | 1 | 0.8 | 12.5 | 0.16 | <0.05 | 0.81 | 0.062 | 0.09 | 0.9 |
| W843565 | | 4.1 | 106.0 | <0.002 | 0.02 | 0.86 | 18.2 | 1 | 3.4 | 68.6 | 2.17 | <0.05 | 10.10 | 0.714 | 0.52 | 1.8 |
| W843566 | | 11.5 | 31.9 | <0.002 | 0.01 | 1.91 | 5.1 | 1 | 2.3 | 21.0 | 0.55 | 0.10 | 2.55 | 0.221 | 0.17 | 1.0 |
| W843567 | | 3.1 | 134.5 | <0.002 | 0.01 | 1.52 | 14.0 | 1 | 8.8 | 25.1 | 3.40 | 0.05 | 13.25 | 0.734 | 0.73 | 3.9 |
| W843568 | | 8.1 | 59.9 | <0.002 | 0.03 | 5.98 | 5.9 | 1 | 5.2 | 13.0 | 0.39 | <0.05 | 5.37 | 0.195 | 0.27 | 1.4 |
| W843569 | | 4.4 | 23.8 | <0.002 | 0.01 | 0.44 | 2.0 | 1 | 2.5 | 50.8 | 0.09 | 0.08 | 1.65 | 0.041 | 0.15 | 1.0 |
| W843570 | | 7.9 | 12.1 | <0.002 | 0.01 | 1.00 | 2.1 | 2 | 0.5 | 11.2 | 0.17 | 0.26 | 0.93 | 0.075 | 0.07 | 0.4 |
| W843571 | | 4.3 | 5.2 | <0.002 | <0.01 | 0.30 | 0.8 | <1 | 0.2 | 7.4 | 0.07 | <0.05 | 0.58 | 0.030 | 0.04 | 0.2 |
| W843572 | | 2.0 | 44.7 | <0.002 | 0.01 | 2.47 | 6.7 | 1 | 1.0 | 14.5 | 0.53 | 0.07 | 2.87 | 0.181 | 0.33 | 2.2 |
| W843573 | | 10.1 | 40.2 | <0.002 | 0.02 | 0.96 | 5.8 | 1 | 1.4 | 50.1 | 1.10 | <0.05 | 5.23 | 0.297 | 0.18 | 0.7 |
| W843601 | | 3.5 | 28.5 | <0.002 | 0.02 | 1.17 | 8.0 | 1 | 11.5 | 8.6 | <0.05 | 0.13 | 2.08 | 0.026 | 0.13 | 0.6 |
| W843602 | | 4.1 | 4.7 | <0.002 | 0.01 | 0.47 | 1.1 | 1 | 1.6 | 7.3 | <0.05 | <0.05 | 1.27 | 0.021 | 0.05 | 0.4 |
| W843603 | | 3.8 | 82.9 | <0.002 | 0.01 | 1.06 | 8.5 | 1 | 16.0 | 19.2 | 0.71 | <0.05 | 7.15 | 0.322 | 0.35 | 1.4 |
| W843604 | | 4.5 | 34.7 | <0.002 | 0.04 | 0.65 | 2.8 | 1 | 7.6 | 19.0 | 0.17 | <0.05 | 1.87 | 0.079 | 0.17 | 0.6 |
| W843605 | | 3.9 | 20.4 | <0.002 | 0.02 | 0.85 | 3.3 | 1 | 8.9 | 6.8 | 0.37 | <0.05 | 2.05 | 0.145 | 0.11 | 0.4 |
| W843606 | | 5.7 | 22.7 | <0.002 | 0.01 | 0.49 | 3.4 | 1 | 1.8 | 15.4 | 0.37 | <0.05 | 2.11 | 0.139 | 0.13 | 0.8 |
| W843607 | | 19.0 | 79.6 | <0.002 | 0.02 | 1.02 | 9.3 | 1 | 3.4 | 49.6 | 1.40 | <0.05 | 8.60 | 0.507 | 0.52 | 1.3 |
| W843608 | | 6.2 | 61.4 | <0.002 | 0.01 | 0.51 | 5.9 | <1 | 4.8 | 20.5 | 0.61 | <0.05 | 3.26 | 0.207 | 0.41 | 0.5 |
| W843609 | | 5.9 | 53.4 | <0.002 | <0.01 | 0.57 | 4.7 | 1 | 6.9 | 20.3 | 0.48 | <0.05 | 2.30 | 0.200 | 0.24 | 0.5 |
| W843610 | | 3.0 | 18.1 | <0.002 | 0.03 | 4.85 | 2.0 | 1 | 0.8 | 6.5 | 0.24 | <0.05 | 1.03 | 0.066 | 0.14 | 1.1 |
| W843611 | | 3.2 | 26.7 | <0.002 | 0.02 | 0.64 | 2.7 | <1 | 4.6 | 8.1 | 0.26 | <0.05 | 1.86 | 0.095 | 0.13 | 0.8 |
| W843612 | | 1.9 | 29.6 | <0.002 | 0.04 | 0.55 | 3.5 | 1 | 2.8 | 20.1 | 0.48 | <0.05 | 2.57 | 0.196 | 0.16 | 0.9 |
| W843613 | | 2.4 | 42.5 | <0.002 | 0.08 | 0.44 | 3.4 | <1 | 8.6 | 9.5 | 0.32 | <0.05 | 2.71 | 0.107 | 0.19 | 1.1 |
| W843614 | | 2.2 | 34.1 | <0.002 | 0.33 | 0.56 | 2.4 | 1 | 6.3 | 9.0 | 0.25 | <0.05 | 1.79 | 0.078 | 0.17 | 0.8 |
| W843615 | | 2.3 | 51.6 | <0.002 | 0.03 | 0.61 | 4.4 | <1 | 9.1 | 10.8 | 0.59 | <0.05 | 3.64 | 0.184 | 0.24 | 1.1 |
| W843616 | | 2.1 | 38.0 | <0.002 | 0.07 | 0.55 | 3.1 | 1 | 6.5 | 8.7 | 0.42 | <0.05 | 2.72 | 0.143 | 0.18 | 0.9 |
| W843617 | | 3.8 | 144.5 | <0.002 | 0.07 | 1.45 | 14.3 | 1 | 12.7 | 36.4 | 1.59 | 0.10 | 12.90 | 0.453 | 0.73 | 5.1 |

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

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**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W843551 | | 75 | 1.2 | 5.3 | 25 | 40.8 |
| W843552 | | 44 | 0.6 | 2.9 | 19 | 27.8 |
| W843553 | | 174 | 3.3 | 16.7 | 95 | 48.3 |
| W843554 | | 63 | 0.8 | 11.9 | 44 | 36.7 |
| W843555 | | 2 | 0.1 | 1.1 | 46 | 1.3 |
| W843556 | | 54 | 3.1 | 11.8 | 3430 | 55.4 |
| W843557 | | 162 | 1.9 | 19.0 | 63 | 163.0 |
| W843558 | | 178 | 1.0 | 11.3 | 30 | 132.5 |
| W843559 | | 168 | 1.1 | 10.8 | 27 | 132.5 |
| W843560 | | 5 | 0.2 | 0.9 | 12 | 2.2 |
| W843561 | | 187 | 3.5 | 13.2 | 42 | 119.5 |
| W843562 | | 49 | 1.3 | 5.9 | 21 | 41.8 |
| W843563 | | 90 | 2.5 | 6.3 | 22 | 41.2 |
| W843564 | | 12 | 0.5 | 4.1 | 30 | 10.4 |
| W843565 | | 175 | 3.1 | 11.2 | 56 | 77.3 |
| W843566 | | 51 | 1.9 | 6.1 | 35 | 38.7 |
| W843567 | | 132 | 4.7 | 15.8 | 39 | 217 |
| W843568 | | 52 | 2.5 | 5.6 | 28 | 40.5 |
| W843569 | | 65 | 0.5 | 5.1 | 35 | 12.7 |
| W843570 | | 22 | 0.6 | 5.1 | 56 | 12.9 |
| W843571 | | 12 | 0.1 | 1.2 | 22 | 5.2 |
| W843572 | | 135 | 0.7 | 4.8 | 35 | 46.6 |
| W843573 | | 49 | 0.6 | 7.1 | 59 | 35.1 |
| W843601 | | 53 | 2.5 | 3.0 | 32 | 2.2 |
| W843602 | | 7 | 0.3 | 2.3 | 18 | 4.5 |
| W843603 | | 89 | 4.2 | 8.6 | 27 | 66.1 |
| W843604 | | 33 | 1.5 | 3.5 | 18 | 17.4 |
| W843605 | | 38 | 2.5 | 2.9 | 31 | 17.0 |
| W843606 | | 30 | 2.7 | 7.4 | 41 | 19.2 |
| W843607 | | 95 | 1.2 | 10.9 | 76 | 54.9 |
| W843608 | | 48 | 1.1 | 8.6 | 30 | 28.0 |
| W843609 | | 51 | 2.4 | 6.2 | 17 | 19.8 |
| W843610 | | 35 | 0.3 | 2.5 | 40 | 21.3 |
| W843611 | | 21 | 1.0 | 4.7 | 11 | 18.8 |
| W843612 | | 50 | 0.4 | 4.0 | 28 | 35.9 |
| W843613 | | 28 | 1.3 | 5.0 | 11 | 26.8 |
| W843614 | | 18 | 0.9 | 4.6 | 9 | 17.9 |
| W843615 | | 37 | 1.7 | 5.3 | 14 | 40.8 |
| W843616 | | 29 | 1.2 | 5.0 | 14 | 29.2 |
| W843617 | | 169 | 3.6 | 15.2 | 18 | 145.0 |

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

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**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| W843618 | | 0.70 | 0.006 | <0.01 | 7.21 | 128.0 | 2100 | 2.20 | 1.02 | 0.33 | <0.02 | 125.5 | 16.2 | 45 | 3.67 | 4.1 |
| W843619 | | 1.15 | 0.035 | 0.01 | 2.65 | 115.0 | 640 | 0.76 | 0.24 | 0.09 | 0.05 | 40.9 | 12.5 | 30 | 1.66 | 30.6 |
| W843620 | | 1.46 | 0.050 | <0.01 | 6.99 | 77.6 | 1860 | 2.04 | 0.16 | 1.12 | 0.03 | 110.5 | 8.9 | 49 | 7.35 | 6.7 |
| W843621 | | 1.57 | <0.005 | 0.01 | 3.45 | 17.5 | 980 | 1.03 | 0.32 | 0.25 | 0.10 | 57.3 | 9.1 | 37 | 2.34 | 25.5 |
| W843622 | | 0.75 | <0.005 | 0.01 | 7.28 | 43.7 | 2070 | 2.16 | 0.65 | 0.38 | 0.12 | 106.5 | 16.0 | 55 | 4.52 | 41.5 |
| W843623 | | 1.48 | <0.005 | 0.15 | 1.01 | 15.1 | 260 | 0.29 | 0.31 | 0.25 | 0.57 | 11.50 | 5.7 | 36 | 1.28 | 19.8 |
| W843624 | | 1.62 | 0.013 | 0.08 | 2.36 | 79.0 | 380 | 0.90 | 0.29 | 0.12 | 0.20 | 39.1 | 12.2 | 51 | 1.43 | 36.8 |
| W843625 | | 1.78 | <0.005 | 0.08 | 3.55 | 77.2 | 840 | 1.18 | 0.20 | 0.16 | 0.24 | 56.1 | 15.7 | 47 | 1.66 | 32.1 |
| W843626 | | 1.34 | 0.337 | 0.01 | 0.24 | 12.1 | 90 | 0.07 | 0.43 | 35.9 | 0.11 | 4.39 | 1.2 | 6 | 0.16 | 2.7 |
| W843627 | | 1.05 | 0.005 | 0.05 | 0.79 | 27.1 | 200 | 0.24 | 0.29 | 0.91 | 0.08 | 10.95 | 4.6 | 37 | 0.37 | 22.9 |
| W843628 | | 0.72 | 0.014 | 0.07 | 0.61 | 23.9 | 150 | 0.18 | 0.56 | 0.49 | 0.08 | 5.70 | 3.9 | 53 | 0.26 | 13.8 |
| W843629 | | 0.56 | <0.005 | 0.03 | 0.36 | 9.6 | 50 | 0.07 | 0.08 | 3.84 | 0.29 | 2.72 | 2.2 | 29 | 0.15 | 6.1 |
| W843630 | | 0.41 | <0.005 | 0.03 | 0.28 | 5.1 | 40 | 0.07 | 0.15 | 8.28 | 0.07 | 3.11 | 0.9 | 30 | 0.16 | 6.1 |
| W843631 | | 0.91 | <0.005 | 0.10 | 0.69 | 17.9 | 180 | 0.21 | 0.25 | 0.37 | 0.08 | 8.34 | 2.5 | 48 | 0.48 | 9.9 |
| W843632 | | 0.43 | 0.045 | 0.09 | 5.21 | 279 | 1760 | 1.68 | 3.59 | 8.46 | 0.15 | 66.5 | 13.1 | 67 | 3.03 | 20.2 |
| W843633 | | 1.56 | <0.005 | 0.02 | 2.67 | 3.0 | 530 | 1.01 | 0.07 | 0.20 | 0.11 | 28.4 | 9.1 | 31 | 1.75 | 6.6 |
| W843634 | | 2.03 | 0.007 | 0.06 | 2.45 | 16.3 | 620 | 0.67 | 0.16 | 0.13 | 0.11 | 30.7 | 11.2 | 38 | 1.35 | 26.1 |
| W843635 | | 1.24 | <0.005 | 0.04 | 2.57 | 2.5 | 570 | 0.71 | 0.16 | 0.59 | 0.27 | 23.3 | 6.1 | 38 | 1.36 | 8.9 |
| W845045 | | 0.84 | 0.007 | 0.01 | 0.08 | 3.2 | 50 | <0.05 | 0.06 | 37.2 | 0.10 | 0.92 | 0.7 | 3 | 0.06 | 1.7 |
| W845046 | | 0.72 | 0.012 | 0.07 | 0.55 | 52.5 | 180 | 0.20 | 2.87 | 1.09 | 0.13 | 6.13 | 3.9 | 37 | 0.35 | 13.6 |
| W845047 | | 1.02 | 0.006 | 0.02 | 0.42 | 169.0 | 170 | 0.17 | 0.13 | 2.84 | 0.10 | 2.62 | 14.9 | 29 | 0.28 | 6.1 |
| W845048 | | 0.71 | 0.006 | 0.02 | 0.07 | 2.4 | 20 | <0.05 | 0.05 | 0.25 | 0.02 | 0.75 | 0.4 | 43 | 0.07 | 2.5 |
| W845049 | | 1.18 | 0.099 | 0.09 | 2.76 | 102.0 | 830 | 0.91 | 2.34 | 20.7 | 0.34 | 41.2 | 9.1 | 33 | 1.76 | 20.8 |
| W845050 | | 0.63 | 0.212 | 0.11 | 2.93 | 171.0 | 680 | 0.75 | 3.12 | 0.25 | 0.03 | 30.9 | 3.9 | 38 | 0.94 | 11.6 |
| W845060 | | 0.80 | 0.016 | 0.01 | 6.47 | 9.2 | 1460 | 2.29 | 1.28 | 0.12 | 0.09 | 85.0 | 15.3 | 61 | 3.80 | 75.6 |
| W845061 | | 0.41 | 0.006 | 0.03 | 1.14 | 8.6 | 220 | 0.33 | 0.16 | 0.03 | 0.08 | 11.50 | 6.8 | 39 | 0.62 | 35.6 |
| W845062 | | 0.40 | <0.005 | 0.02 | 2.76 | 3.2 | 490 | 0.77 | 0.07 | 0.05 | 0.06 | 31.7 | 3.7 | 41 | 1.36 | 12.6 |
| W845063 | | 2.02 | 0.072 | 0.02 | 1.94 | 74.9 | 450 | 0.75 | 0.64 | 0.17 | 0.12 | 36.3 | 8.2 | 46 | 1.26 | 5.3 |
| W845064 | | 0.97 | 0.014 | 0.02 | 4.33 | 353 | 740 | 1.42 | 0.78 | 0.07 | <0.02 | 63.4 | 20.6 | 58 | 2.17 | 21.0 |
| W845065 | | 4.50 | 0.017 | 0.03 | 5.05 | 19.7 | 1620 | 1.07 | 0.15 | 0.49 | 0.11 | 71.3 | 12.9 | 55 | 15.40 | 10.7 |
| W845066 | | 4.95 | 0.011 | 0.05 | 4.90 | 50.5 | 1250 | 1.48 | 0.26 | 0.42 | 0.11 | 90.6 | 11.2 | 52 | 8.90 | 21.7 |
| W845067 | | 0.90 | <0.005 | 0.07 | 0.14 | 2790 | 240 | 0.24 | 20.1 | 0.07 | 0.42 | 35.9 | 5.5 | 26 | 0.36 | 1.0 |
| W845068 | | 1.75 | 0.026 | 0.01 | 4.08 | 145.0 | 750 | 1.23 | 1.22 | 0.14 | 0.03 | 75.4 | 3.0 | 48 | 2.58 | 1.3 |
| W845069 | | 2.11 | <0.005 | 0.02 | 0.08 | 183.5 | 40 | 0.05 | 7.01 | 0.03 | 0.08 | 5.47 | 0.7 | 50 | 0.42 | 1.1 |
| W845070 | | 1.53 | 0.014 | 0.02 | 6.28 | 112.0 | 1840 | 2.02 | 0.25 | 0.34 | 0.06 | 81.7 | 16.6 | 61 | 13.90 | 20.5 |
| W845071 | | 1.84 | 0.031 | 0.02 | 5.45 | 71.8 | 1260 | 1.64 | 0.40 | 0.75 | 0.21 | 89.5 | 20.4 | 48 | 8.08 | 21.1 |
| W845072 | | 1.57 | 0.409 | 0.05 | 0.06 | 15.7 | 40 | <0.05 | 0.16 | 0.46 | 0.22 | 11.35 | 1.2 | 43 | 0.58 | 4.1 |
| W845073 | | 1.45 | 0.035 | <0.01 | 2.49 | 124.5 | 560 | 0.65 | 0.64 | 0.11 | 0.09 | 46.7 | 5.1 | 40 | 1.33 | 5.3 |
| W845074 | | 1.27 | 0.089 | 0.01 | 1.85 | 345 | 410 | 0.56 | 1.81 | 0.43 | 0.14 | 31.8 | 4.5 | 38 | 1.09 | 1.0 |
| W845075 | | 1.38 | 0.205 | 0.01 | 1.93 | 296 | 410 | 0.63 | 2.02 | 0.50 | 0.11 | 44.2 | 2.6 | 56 | 1.22 | 1.1 |

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

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


**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W843618 | | 2.11 | 22.2 | 0.23 | 2.3 | 0.064 | 3.45 | 68.0 | 10.3 | 0.46 | 667 | 0.56 | 0.10 | 52.5 | 12.5 | 1670 |
| W843619 | | 3.69 | 6.79 | 0.13 | 0.7 | 0.034 | 1.04 | 20.8 | 6.1 | 0.71 | 1220 | 0.56 | 0.03 | 19.8 | 21.5 | 560 |
| W843620 | | 4.87 | 20.5 | 0.23 | 3.1 | 0.065 | 3.27 | 58.0 | 16.2 | 1.86 | 1520 | 0.39 | 0.06 | 51.6 | 21.0 | 1260 |
| W843621 | | 3.38 | 9.14 | 0.17 | 1.5 | 0.041 | 1.51 | 30.5 | 8.0 | 0.71 | 489 | 0.32 | 0.03 | 23.4 | 16.0 | 920 |
| W843622 | | 6.35 | 20.9 | 0.24 | 2.5 | 0.085 | 3.10 | 56.1 | 17.7 | 1.53 | 886 | 0.45 | 0.07 | 48.6 | 25.5 | 2050 |
| W843623 | | 1.97 | 2.57 | 0.09 | 0.3 | 0.020 | 0.38 | 6.0 | 2.3 | 0.29 | 571 | 0.33 | 0.03 | 5.1 | 11.5 | 400 |
| W843624 | | 3.96 | 6.27 | 0.13 | 0.8 | 0.020 | 0.61 | 21.0 | 9.3 | 0.57 | 436 | 0.78 | 0.03 | 17.6 | 21.7 | 660 |
| W843625 | | 3.72 | 8.91 | 0.14 | 1.5 | 0.042 | 1.15 | 29.8 | 10.5 | 0.97 | 895 | 0.42 | 0.05 | 19.9 | 25.5 | 780 |
| W843626 | | 0.22 | 0.63 | 0.09 | 0.1 | <0.005 | 0.11 | 2.3 | 1.0 | 0.45 | 45 | 0.21 | 0.02 | 1.0 | 3.2 | 120 |
| W843627 | | 1.82 | 1.85 | 0.08 | 0.3 | 0.012 | 0.26 | 5.3 | 3.6 | 0.15 | 247 | 1.04 | 0.02 | 2.6 | 9.0 | 230 |
| W843628 | | 1.77 | 1.42 | 0.05 | 0.2 | 0.007 | 0.18 | 2.8 | 2.1 | 0.13 | 222 | 1.52 | 0.02 | 2.3 | 10.8 | 260 |
| W843629 | | 3.97 | 0.58 | <0.05 | 0.1 | 0.028 | 0.05 | 1.1 | 1.5 | 0.91 | 1220 | 1.44 | 0.18 | 0.4 | 7.4 | 250 |
| W843630 | | 0.92 | 0.55 | <0.05 | 0.1 | 0.007 | 0.07 | 1.2 | 1.8 | 0.08 | 395 | 0.71 | 0.07 | 0.3 | 2.8 | 370 |
| W843631 | | 1.08 | 1.63 | 0.05 | 0.2 | 0.010 | 0.25 | 4.4 | 2.0 | 0.08 | 174 | 0.76 | 0.06 | 3.5 | 5.3 | 320 |
| W843632 | | 3.87 | 13.65 | 0.12 | 2.4 | 0.049 | 2.30 | 35.2 | 9.2 | 0.87 | 866 | 3.17 | 0.14 | 24.6 | 32.6 | 1490 |
| W843633 | | 2.25 | 7.35 | 0.11 | 1.3 | 0.027 | 1.12 | 15.0 | 7.8 | 0.21 | 636 | 0.97 | 0.05 | 9.3 | 14.7 | 1170 |
| W843634 | | 3.66 | 5.95 | 0.09 | 0.8 | 0.061 | 0.68 | 15.5 | 14.3 | 0.76 | 420 | 0.78 | 0.19 | 13.9 | 16.0 | 580 |
| W843635 | | 2.90 | 6.36 | 0.09 | 0.8 | 0.028 | 0.74 | 12.0 | 12.1 | 0.72 | 609 | 0.45 | 0.28 | 10.4 | 14.9 | 710 |
| W845045 | | 0.08 | 0.23 | 0.06 | <0.1 | <0.005 | 0.04 | 0.5 | 0.6 | 0.33 | 33 | 0.07 | 0.01 | 0.3 | 1.7 | 60 |
| W845046 | | 1.69 | 1.28 | <0.05 | 0.2 | 0.013 | 0.20 | 3.0 | 1.7 | 0.18 | 428 | 1.20 | 0.04 | 1.4 | 8.8 | 280 |
| W845047 | | 2.14 | 1.21 | <0.05 | <0.1 | 0.018 | 0.19 | 1.1 | 0.8 | 0.77 | 1020 | 1.70 | 0.01 | 0.5 | 27.4 | 60 |
| W845048 | | 0.61 | 0.22 | <0.05 | <0.1 | <0.005 | 0.03 | <0.5 | 0.4 | 0.07 | 90 | 0.73 | 0.01 | 0.2 | 1.3 | 110 |
| W845049 | | 2.36 | 7.08 | 0.07 | 1.4 | 0.032 | 1.11 | 22.1 | 9.1 | 1.12 | 423 | 1.97 | 0.13 | 14.1 | 21.8 | 850 |
| W845050 | | 4.87 | 8.30 | 0.09 | 1.4 | 0.020 | 0.76 | 17.6 | 5.6 | 0.11 | 290 | 4.43 | 0.02 | 6.0 | 11.9 | 550 |
| W845060 | | 5.23 | 19.20 | 0.18 | 3.0 | 0.083 | 2.96 | 46.6 | 6.6 | 0.49 | 665 | 1.45 | 0.07 | 37.7 | 45.5 | 1400 |
| W845061 | | 3.16 | 2.81 | 0.06 | 0.3 | 0.022 | 0.47 | 6.2 | 0.9 | 0.06 | 327 | 1.10 | 0.03 | 5.3 | 12.5 | 540 |
| W845062 | | 3.43 | 5.77 | 0.09 | 0.7 | 0.026 | 1.18 | 15.5 | 1.7 | 0.15 | 496 | 1.26 | 0.07 | 10.2 | 7.9 | 720 |
| W845063 | | 1.55 | 4.77 | 0.10 | 0.7 | 0.016 | 0.93 | 19.8 | 4.2 | 0.14 | 494 | 0.77 | 0.02 | 6.4 | 15.4 | 860 |
| W845064 | | 3.87 | 11.75 | 0.14 | 1.7 | 0.034 | 1.95 | 33.7 | 4.3 | 0.26 | 794 | 0.74 | 0.04 | 27.3 | 59.5 | 1030 |
| W845065 | | 4.94 | 13.80 | 0.18 | 1.6 | 0.042 | 2.73 | 38.2 | 17.3 | 1.50 | 798 | 0.47 | 0.06 | 27.4 | 26.2 | 1090 |
| W845066 | | 6.14 | 14.20 | 0.17 | 1.6 | 0.046 | 2.27 | 48.6 | 20.9 | 1.53 | 682 | 0.48 | 0.09 | 30.8 | 25.5 | 1210 |
| W845067 | | 4.37 | 1.28 | 0.09 | 0.2 | 0.099 | 0.05 | 16.1 | 0.4 | 0.01 | 429 | 0.84 | 0.01 | 0.1 | 7.8 | 4540 |
| W845068 | | 1.49 | 12.60 | 0.18 | 1.6 | 0.032 | 1.96 | 38.0 | 4.9 | 0.26 | 157 | 0.59 | 0.04 | 33.8 | 5.9 | 1210 |
| W845069 | | 1.14 | 0.45 | 0.07 | <0.1 | 0.017 | 0.03 | 2.2 | 0.2 | 0.01 | 107 | 0.72 | 0.01 | 0.3 | 1.7 | 300 |
| W845070 | | 5.51 | 17.90 | 0.20 | 2.8 | 0.053 | 3.21 | 42.7 | 18.9 | 1.60 | 756 | 0.48 | 0.07 | 39.8 | 31.9 | 1590 |
| W845071 | | 5.14 | 14.85 | 0.19 | 2.0 | 0.058 | 2.46 | 47.0 | 18.3 | 1.35 | 1010 | 0.53 | 0.07 | 50.0 | 30.7 | 1510 |
| W845072 | | 0.79 | 0.30 | 0.07 | <0.1 | 0.005 | 0.03 | 6.8 | 0.2 | 0.09 | 399 | 0.42 | 0.01 | 0.1 | 2.4 | 1160 |
| W845073 | | 1.94 | 5.42 | 0.13 | 0.7 | 0.022 | 1.13 | 23.8 | 3.0 | 0.14 | 612 | 0.89 | 0.04 | 12.0 | 9.5 | 670 |
| W845074 | | 1.87 | 4.21 | 0.12 | 0.5 | 0.016 | 0.88 | 16.9 | 3.0 | 0.25 | 569 | 0.66 | 0.02 | 7.3 | 13.9 | 530 |
| W845075 | | 2.40 | 4.51 | 0.12 | 0.4 | 0.016 | 0.92 | 23.9 | 3.2 | 0.29 | 641 | 0.71 | 0.03 | 6.7 | 9.3 | 630 |

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

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**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W843618 | | 1.4 | 139.5 | <0.002 | 0.01 | 0.49 | 15.7 | <1 | 18.4 | 34.1 | 2.70 | <0.05 | 11.75 | 0.714 | 0.58 | 2.2 |
| W843619 | | 2.1 | 44.7 | <0.002 | 0.03 | 0.63 | 4.4 | 1 | 4.4 | 14.7 | 0.93 | <0.05 | 3.54 | 0.237 | 0.25 | 1.2 |
| W843620 | | 1.4 | 149.5 | <0.002 | <0.01 | 0.44 | 14.1 | <1 | 11.4 | 32.0 | 2.63 | <0.05 | 12.25 | 0.677 | 0.74 | 2.3 |
| W843621 | | 1.7 | 68.9 | <0.002 | 0.04 | 0.63 | 7.1 | <1 | 4.8 | 22.4 | 1.16 | <0.05 | 6.63 | 0.340 | 0.34 | 1.4 |
| W843622 | | 3.1 | 140.5 | <0.002 | 0.04 | 0.98 | 15.9 | 1 | 10.8 | 44.3 | 2.32 | <0.05 | 12.10 | 0.830 | 0.68 | 2.4 |
| W843623 | | 30.3 | 18.9 | <0.002 | 0.01 | 0.94 | 1.8 | 1 | 1.1 | 15.7 | 0.24 | <0.05 | 1.03 | 0.101 | 0.13 | 0.2 |
| W843624 | | 25.7 | 31.8 | <0.002 | 0.03 | 6.75 | 4.9 | 1 | 2.5 | 14.9 | 0.90 | 0.07 | 4.37 | 0.302 | 0.17 | 1.0 |
| W843625 | | 13.0 | 43.9 | <0.002 | 0.02 | 1.15 | 6.5 | 1 | 5.5 | 20.6 | 1.03 | <0.05 | 6.13 | 0.278 | 0.20 | 1.0 |
| W843626 | | 1.1 | 4.2 | <0.002 | 0.68 | 0.16 | 0.5 | 1 | 0.2 | 251 | 0.06 | <0.05 | 0.44 | 0.021 | 0.03 | 10.7 |
| W843627 | | 3.9 | 10.9 | <0.002 | 0.01 | 1.13 | 1.2 | 1 | 0.9 | 21.7 | 0.12 | <0.05 | 1.20 | 0.047 | 0.07 | 0.5 |
| W843628 | | 7.8 | 7.1 | <0.002 | 0.02 | 0.92 | 0.9 | 1 | 0.4 | 13.1 | 0.11 | <0.05 | 0.63 | 0.039 | 0.06 | 0.6 |
| W843629 | | 14.6 | 2.3 | <0.002 | 0.01 | 0.86 | 2.4 | 1 | 0.4 | 60.4 | <0.05 | <0.05 | 0.64 | 0.010 | 0.02 | 0.1 |
| W843630 | | 4.9 | 2.7 | <0.002 | <0.01 | 0.81 | 0.7 | 1 | <0.2 | 737 | <0.05 | <0.05 | 0.25 | 0.009 | 0.03 | 0.2 |
| W843631 | | 4.8 | 12.2 | <0.002 | 0.01 | 0.95 | 1.3 | 1 | 0.5 | 23.3 | 0.17 | <0.05 | 0.92 | 0.068 | 0.07 | 0.3 |
| W843632 | | 8.3 | 99.9 | <0.002 | 0.07 | 1.44 | 10.5 | 1 | 4.5 | 95.0 | 1.33 | 0.05 | 8.24 | 0.507 | 0.52 | 3.5 |
| W843633 | | 1.4 | 47.8 | <0.002 | 0.01 | 0.39 | 5.4 | 1 | 0.9 | 27.0 | 0.51 | <0.05 | 3.68 | 0.156 | 0.22 | 1.7 |
| W843634 | | 4.9 | 28.1 | <0.002 | 0.06 | 1.06 | 4.7 | 1 | 1.1 | 22.3 | 0.69 | <0.05 | 3.18 | 0.266 | 0.15 | 1.0 |
| W843635 | | 4.9 | 32.6 | <0.002 | 0.01 | 0.69 | 6.0 | <1 | 1.2 | 54.6 | 0.53 | <0.05 | 3.02 | 0.201 | 0.15 | 0.8 |
| W845045 | | <0.5 | 1.3 | <0.002 | 0.78 | 0.11 | 0.2 | 1 | <0.2 | 246 | <0.05 | <0.05 | 0.12 | 0.006 | <0.02 | 10.4 |
| W845046 | | 5.1 | 8.7 | <0.002 | 0.01 | 0.52 | 1.8 | 1 | 0.5 | 16.3 | 0.07 | <0.05 | 0.65 | 0.028 | 0.06 | 0.5 |
| W845047 | | 3.7 | 7.7 | <0.002 | 0.04 | 1.01 | 1.4 | 1 | 0.4 | 75.5 | <0.05 | <0.05 | 0.23 | 0.007 | 0.06 | 0.3 |
| W845048 | | 1.8 | 1.0 | <0.002 | <0.01 | 0.24 | 0.2 | <1 | <0.2 | 10.5 | <0.05 | <0.05 | 0.08 | <0.005 | <0.02 | 0.1 |
| W845049 | | 7.3 | 50.8 | <0.002 | 0.20 | 1.33 | 6.1 | 1 | 2.0 | 153.5 | 0.71 | <0.05 | 4.56 | 0.254 | 0.31 | 4.3 |
| W845050 | | 9.3 | 31.5 | <0.002 | 0.02 | 26.8 | 4.4 | 1 | 1.6 | 13.6 | 0.32 | <0.05 | 3.51 | 0.128 | 0.26 | 2.4 |
| W845060 | | 3.5 | 115.0 | <0.002 | 0.02 | 1.18 | 13.6 | 1 | 9.1 | 46.8 | 1.83 | 0.07 | 11.85 | 0.517 | 0.49 | 3.2 |
| W845061 | | 6.6 | 17.2 | <0.002 | 0.01 | 2.40 | 2.6 | 1 | 0.7 | 10.0 | 0.24 | <0.05 | 1.24 | 0.092 | 0.09 | 0.6 |
| W845062 | | 3.4 | 39.9 | <0.002 | 0.01 | 0.55 | 4.9 | 1 | 1.2 | 24.1 | 0.50 | <0.05 | 4.17 | 0.177 | 0.18 | 1.1 |
| W845063 | | 2.6 | 36.3 | <0.002 | 0.04 | 0.47 | 3.4 | 1 | 5.5 | 13.4 | 0.34 | <0.05 | 1.68 | 0.130 | 0.17 | 1.7 |
| W845064 | | 1.4 | 73.2 | <0.002 | 0.02 | 1.82 | 11.3 | 1 | 14.9 | 18.3 | 1.40 | <0.05 | 9.39 | 0.459 | 0.34 | 2.5 |
| W845065 | | 5.9 | 141.0 | <0.002 | 0.02 | 0.59 | 12.8 | 1 | 7.1 | 20.2 | 1.35 | <0.05 | 7.29 | 0.573 | 1.22 | 1.4 |
| W845066 | | 12.2 | 101.0 | <0.002 | 0.02 | 0.77 | 12.7 | 1 | 8.7 | 45.0 | 1.54 | <0.05 | 9.39 | 0.521 | 0.67 | 1.5 |
| W845067 | | 10.1 | 1.4 | <0.002 | 0.08 | 5.00 | 8.7 | 3 | 1.2 | 309 | <0.05 | 0.11 | 23.9 | <0.005 | 0.05 | 3.2 |
| W845068 | | 4.1 | 73.8 | <0.002 | 0.02 | 0.80 | 8.7 | 1 | 15.7 | 21.8 | 1.71 | <0.05 | 7.88 | 0.452 | 0.30 | 1.6 |
| W845069 | | 4.3 | 1.2 | <0.002 | 0.01 | 0.59 | 1.0 | <1 | 0.4 | 43.7 | <0.05 | <0.05 | 0.97 | 0.005 | 0.02 | 0.3 |
| W845070 | | 4.8 | 146.5 | <0.002 | 0.02 | 0.72 | 16.3 | 1 | 13.0 | 28.8 | 2.05 | <0.05 | 10.30 | 0.751 | 1.05 | 2.2 |
| W845071 | | 9.5 | 105.0 | <0.002 | 0.04 | 0.71 | 12.5 | 1 | 8.9 | 40.5 | 2.58 | <0.05 | 12.00 | 0.615 | 0.53 | 1.7 |
| W845072 | | 13.8 | 1.3 | <0.002 | <0.01 | 0.33 | 0.5 | <1 | 0.4 | 19.1 | <0.05 | <0.05 | 0.07 | <0.005 | 0.03 | <0.1 |
| W845073 | | 1.1 | 47.8 | <0.002 | 0.02 | 0.50 | 3.3 | 1 | 7.0 | 10.8 | 0.54 | <0.05 | 2.86 | 0.156 | 0.24 | 0.7 |
| W845074 | | 3.4 | 36.9 | <0.002 | 0.04 | 0.49 | 3.0 | 1 | 5.6 | 10.4 | 0.34 | <0.05 | 2.28 | 0.111 | 0.18 | 0.6 |
| W845075 | | 2.7 | 39.9 | <0.002 | 0.04 | 0.69 | 4.1 | <1 | 6.8 | 11.7 | 0.32 | <0.05 | 2.56 | 0.115 | 0.18 | 0.6 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W843618 | | 133 | 4.9 | 14.5 | 8 | 100.0 |
| W843619 | | 38 | 1.5 | 5.0 | 20 | 30.9 |
| W843620 | | 116 | 2.9 | 13.8 | 31 | 130.5 |
| W843621 | | 58 | 0.8 | 7.4 | 25 | 59.4 |
| W843622 | | 139 | 1.8 | 13.5 | 42 | 105.0 |
| W843623 | | 17 | 0.4 | 2.8 | 65 | 6.5 |
| W843624 | | 46 | 9.5 | 7.5 | 67 | 42.4 |
| W843625 | | 55 | 2.7 | 9.9 | 58 | 48.7 |
| W843626 | | 6 | 0.2 | 0.8 | 10 | 5.2 |
| W843627 | | 14 | 0.3 | 2.5 | 18 | 13.3 |
| W843628 | | 13 | 0.3 | 1.7 | 18 | 6.6 |
| W843629 | | 5 | 0.1 | 7.5 | 49 | 2.2 |
| W843630 | | 5 | <0.1 | 4.3 | 9 | 2.3 |
| W843631 | | 15 | 0.2 | 2.2 | 17 | 10.1 |
| W843632 | | 133 | 3.7 | 11.6 | 30 | 107.5 |
| W843633 | | 128 | 0.5 | 7.2 | 21 | 53.0 |
| W843634 | | 46 | 0.6 | 5.2 | 63 | 31.8 |
| W843635 | | 51 | 0.6 | 5.8 | 42 | 52.0 |
| W845045 | | 3 | <0.1 | 0.3 | 7 | 1.9 |
| W845046 | | 12 | 0.3 | 3.8 | 21 | 7.1 |
| W845047 | | 6 | 0.2 | 3.2 | 13 | 1.9 |
| W845048 | | 3 | <0.1 | 0.6 | 3 | 1.0 |
| W845049 | | 78 | 1.4 | 8.7 | 35 | 54.9 |
| W845050 | | 93 | 4.2 | 3.1 | 41 | 69.3 |
| W845060 | | 143 | 1.9 | 12.7 | 20 | 135.5 |
| W845061 | | 20 | 0.4 | 2.0 | 28 | 17.1 |
| W845062 | | 36 | 0.9 | 3.2 | 33 | 33.5 |
| W845063 | | 57 | 1.7 | 6.6 | 17 | 29.7 |
| W845064 | | 98 | 2.7 | 8.2 | 24 | 63.9 |
| W845065 | | 116 | 1.9 | 13.0 | 52 | 70.7 |
| W845066 | | 116 | 1.6 | 11.3 | 78 | 60.8 |
| W845067 | | 5 | 0.2 | 10.2 | 79 | 13.2 |
| W845068 | | 86 | 4.7 | 8.0 | 11 | 70.9 |
| W845069 | | 4 | 0.1 | 1.4 | 11 | 1.1 |
| W845070 | | 152 | 2.3 | 16.7 | 53 | 120.0 |
| W845071 | | 111 | 3.5 | 19.9 | 67 | 97.1 |
| W845072 | | 2 | 0.1 | 5.0 | 21 | <0.5 |
| W845073 | | 30 | 1.4 | 48.0 | 8 | 34.7 |
| W845074 | | 23 | 1.1 | 4.8 | 24 | 20.0 |
| W845075 | | 26 | 1.2 | 6.4 | 17 | 15.0 |

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**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| W845076 | | 1.18 | 0.100 | 0.01 | 2.12 | 246 | 430 | 0.61 | 1.91 | 0.43 | 0.11 | 21.8 | 2.3 | 42 | 1.29 | 0.8 |
| W845077 | | 2.28 | 0.138 | 0.01 | 2.56 | 64.8 | 630 | 0.76 | 0.27 | 0.63 | 0.07 | 36.6 | 4.4 | 44 | 1.40 | 1.9 |
| W845078 | | 2.00 | 0.162 | 0.01 | 8.31 | 53.0 | 2380 | 2.69 | 0.33 | 2.13 | 0.07 | 148.5 | 3.5 | 65 | 4.76 | 0.8 |
| W845079 | | 1.16 | <0.005 | 0.08 | 6.36 | 6.4 | 1780 | 1.72 | 0.17 | 0.40 | 0.11 | 84.7 | 13.6 | 49 | 3.82 | 39.1 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: **ATAC RESOURCES LTD.**
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**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W845076 | | 1.89 | 4.45 | 0.10 | 0.3 | 0.016 | 0.99 | 11.6 | 3.0 | 0.24 | 525 | 0.52 | 0.03 | 6.7 | 10.2 | 650 |
| W845077 | | 1.40 | 6.40 | 0.14 | 1.0 | 0.022 | 1.19 | 19.3 | 3.9 | 0.36 | 758 | 0.65 | 0.03 | 13.5 | 15.1 | 810 |
| W845078 | | 1.15 | 26.3 | 0.28 | 3.4 | 0.066 | 4.35 | 78.8 | 15.1 | 1.34 | 762 | 0.40 | 0.07 | 44.1 | 13.7 | 1870 |
| W845079 | | 6.34 | 17.55 | 0.19 | 3.0 | 0.075 | 1.96 | 44.2 | 34.2 | 1.91 | 319 | 0.63 | 0.30 | 51.4 | 26.3 | 1450 |

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**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W845076 | | 3.7 | 44.6 | <0.002 | 0.03 | 0.82 | 3.3 | 1 | 7.7 | 12.2 | 0.31 | <0.05 | 2.02 | 0.109 | 0.21 | 0.4 |
| W845077 | | 2.8 | 48.1 | <0.002 | 0.01 | 0.32 | 5.2 | 1 | 7.6 | 14.5 | 0.68 | <0.05 | 3.60 | 0.238 | 0.21 | 0.9 |
| W845078 | | 1.1 | 164.5 | <0.002 | 0.01 | 0.33 | 19.5 | 1 | 19.4 | 47.8 | 2.26 | <0.05 | 14.90 | 0.966 | 0.71 | 2.8 |
| W845079 | | 7.5 | 85.5 | <0.002 | 0.06 | 1.76 | 14.4 | 1 | 2.3 | 72.4 | 2.46 | <0.05 | 10.65 | 0.708 | 0.39 | 1.7 |

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**Finalized Date: 25-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162283

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W845076 | | 22 | 1.3 | 5.3 | 15 | 15.0 |
| W845077 | | 44 | 2.1 | 8.0 | 14 | 41.4 |
| W845078 | | 166 | 6.5 | 21.6 | 21 | 147.5 |
| W845079 | | 121 | 1.3 | 12.9 | 98 | 143.0 |

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

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Project: Rau


**Finalized Date: 25-AUG-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20162283

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| BAG-01 | CRU-32 | CRU-QC | DRY-22 |
| LOG-21 | PUL-32 | PUL-QC | SPL-21 |
| WEI-21 | | | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 24-AUG-2020**
**Account: RCM**

# CERTIFICATE WH20162268

Project: Rau

P.O. No.: R20-R04

This report is for 32 Rock samples submitted to our lab in Whitehorse, YT, Canada on 30-JUL-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| BAG-01 | Bulk Master for Storage |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |

## ANALYTICAL PROCEDURES

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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Project: Rau

# CERTIFICATE OF ANALYSIS WH20162268

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| W843574 | | 3.64 | <0.005 | 0.02 | 5.44 | 62.0 | 1500 | 1.62 | 0.26 | 0.26 | 0.10 | 83.0 | 5.3 | 40 | 4.08 | 10.9 |
| W843575 | | 2.46 | 0.069 | 0.07 | 2.09 | 45.5 | 300 | 0.45 | 0.48 | 0.09 | 0.04 | 32.9 | 7.0 | 24 | 0.66 | 38.1 |
| W843576 | | 2.32 | 0.021 | 0.02 | 3.84 | 53.6 | 960 | 1.17 | 0.64 | 0.18 | 0.14 | 57.9 | 13.8 | 41 | 2.41 | 21.1 |
| W843577 | | 2.32 | 0.012 | 0.12 | 6.80 | 180.5 | 1620 | 1.67 | 4.48 | 0.04 | 0.02 | 106.5 | 1.0 | 34 | 2.92 | 3.8 |
| W843578 | | 1.37 | 0.008 | 0.04 | 2.10 | 117.5 | 500 | 0.64 | 1.70 | 0.02 | 0.02 | 35.7 | 0.9 | 32 | 1.11 | 7.5 |
| W843579 | | 1.77 | 0.022 | 0.05 | 1.52 | 19.7 | 270 | 0.45 | 0.56 | 0.04 | 0.02 | 24.4 | 4.1 | 24 | 0.57 | 30.7 |
| W843580 | | 4.12 | <0.005 | 0.06 | 3.26 | 140.5 | 580 | 0.68 | 0.48 | 0.24 | 0.10 | 42.4 | 7.5 | 34 | 1.36 | 15.2 |
| W843581 | | 3.92 | 0.005 | 0.02 | 4.53 | 30.1 | 1150 | 1.40 | 0.70 | 0.16 | 0.06 | 68.0 | 9.8 | 55 | 2.20 | 37.6 |
| W843582 | | 4.33 | 0.008 | 0.02 | 5.43 | 45.6 | 1670 | 1.60 | 0.48 | 0.18 | 0.17 | 79.6 | 11.2 | 45 | 2.77 | 39.9 |
| W843583 | | 3.45 | 0.006 | 0.03 | 2.92 | 51.9 | 700 | 0.91 | 0.34 | 0.25 | 0.09 | 51.5 | 14.1 | 37 | 1.40 | 50.4 |
| W843584 | | 3.92 | 0.014 | 0.02 | 4.80 | 61.0 | 1160 | 1.48 | 0.34 | 0.21 | 0.04 | 67.8 | 10.4 | 50 | 2.71 | 16.6 |
| W843585 | | 3.56 | <0.005 | 0.03 | 1.57 | 69.9 | 390 | 0.47 | 0.76 | 0.06 | 0.06 | 24.9 | 7.0 | 38 | 1.08 | 16.7 |
| W845080 | | 3.06 | 0.380 | 0.09 | 2.98 | 119.5 | 670 | 1.13 | 31.8 | 0.12 | 0.07 | 46.0 | 3.7 | 54 | 1.77 | 15.6 |
| W845081 | | 2.05 | 0.322 | 0.03 | 0.40 | 173.5 | 90 | 0.21 | 9.03 | 0.14 | 0.14 | 13.05 | 7.2 | 41 | 0.40 | 27.8 |
| W845082 | | 2.24 | <0.005 | 0.01 | 0.04 | 52.8 | 10 | <0.05 | 1.46 | 0.01 | 0.07 | 0.90 | 0.7 | 33 | 0.35 | 3.1 |
| W845083 | | 0.90 | <0.005 | 0.03 | 2.10 | 17.5 | 140 | 0.33 | 0.15 | 0.01 | 0.06 | 39.7 | 3.7 | 31 | 0.62 | 2.3 |
| W845084 | | 2.50 | 0.017 | 0.03 | 0.93 | 49.3 | 240 | 0.32 | 0.83 | 0.04 | 0.08 | 11.00 | 3.9 | 31 | 0.69 | 7.1 |
| W845085 | | 3.32 | 0.012 | 0.10 | 1.74 | 85.7 | 650 | 0.56 | 0.21 | 0.04 | 0.10 | 21.8 | 14.3 | 40 | 1.28 | 58.8 |
| W845086 | | 1.51 | 0.007 | 0.02 | 1.74 | 18.3 | 520 | 0.60 | 0.07 | 0.08 | 0.11 | 25.7 | 7.6 | 43 | 1.31 | 30.6 |
| W845087 | | 1.75 | 0.011 | 0.05 | 2.62 | 26.9 | 700 | 0.81 | 0.53 | 0.15 | 0.12 | 43.8 | 11.1 | 48 | 1.66 | 54.3 |
| W845088 | | 1.88 | <0.005 | 0.03 | 0.84 | 13.6 | 220 | 0.29 | 0.14 | 0.14 | 0.11 | 4.97 | 3.3 | 33 | 0.75 | 27.2 |
| W845089 | | 1.66 | <0.005 | 0.06 | 4.50 | 35.8 | 1110 | 1.04 | 0.13 | 0.29 | 1.01 | 53.8 | 9.5 | 52 | 1.63 | 17.0 |
| W845090 | | 2.09 | 0.006 | 0.01 | 2.46 | 59.9 | 1010 | 0.67 | 0.72 | 0.07 | 0.06 | 30.9 | 4.4 | 38 | 1.64 | 40.7 |
| S051411 | | 0.20 | <0.005 | 0.05 | 0.27 | 83.1 | 50 | 0.13 | 0.23 | 16.20 | 0.18 | 6.40 | 11.3 | 8 | 0.15 | 32.5 |
| S051412 | | 0.52 | 0.016 | 0.10 | 1.10 | 43.6 | 350 | 0.36 | 0.51 | 6.49 | 0.25 | 36.7 | 10.1 | 19 | 0.63 | 77.4 |
| S051413 | | 2.04 | <0.005 | 0.18 | 0.11 | 3.3 | 30 | <0.05 | 0.12 | 0.76 | 0.37 | 1.86 | 0.7 | 39 | 0.36 | 25.8 |
| S051414 | | 0.23 | 0.018 | 0.13 | 6.25 | 167.0 | 2370 | 1.94 | 1.39 | 0.74 | 0.30 | 104.0 | 22.5 | 62 | 3.15 | 95.7 |
| S051415 | | 0.90 | 0.020 | 0.12 | 0.95 | 21.2 | 220 | 0.34 | 0.25 | 1.78 | 0.26 | 19.40 | 5.9 | 34 | 0.74 | 27.3 |
| S051416 | | 0.89 | 0.006 | 0.17 | 0.91 | 41.3 | 170 | 0.27 | 0.17 | 3.56 | 0.32 | 8.15 | 5.4 | 25 | 0.59 | 33.2 |
| S051417 | | 1.57 | 0.127 | 0.19 | 1.64 | 51.8 | 420 | 0.68 | 0.57 | 4.89 | 0.23 | 30.7 | 21.0 | 38 | 1.29 | 51.4 |
| S051418 | | 2.43 | 0.008 | 0.06 | 1.34 | 43.4 | 250 | 0.43 | 0.12 | 3.32 | 0.12 | 37.2 | 4.7 | 41 | 0.85 | 6.1 |
| S051419 | | 0.84 | 0.022 | 0.08 | 1.64 | 17.4 | 330 | 0.57 | 0.26 | 2.04 | 0.15 | 28.2 | 4.1 | 44 | 1.13 | 16.3 |

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Project: Rau

# CERTIFICATE OF ANALYSIS WH20162268

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W843574 | | 3.35 | 15.05 | 0.15 | 1.8 | 0.079 | 2.16 | 44.4 | 9.4 | 0.90 | 390 | 0.81 | 0.15 | 43.0 | 13.1 | 1100 |
| W843575 | | 5.58 | 5.88 | 0.09 | 0.3 | 0.036 | 0.38 | 15.9 | 8.5 | 0.85 | 251 | 0.39 | 0.03 | 16.2 | 11.8 | 690 |
| W843576 | | 3.37 | 9.83 | 0.11 | 1.4 | 0.067 | 1.36 | 30.0 | 7.2 | 0.63 | 598 | 0.69 | 0.14 | 25.0 | 13.9 | 780 |
| W843577 | | 5.25 | 19.45 | 0.14 | 4.7 | 0.079 | 2.27 | 56.8 | 16.7 | 1.74 | 178 | 0.92 | 0.11 | 50.0 | 3.0 | 910 |
| W843578 | | 5.66 | 6.11 | 0.08 | 0.5 | 0.026 | 0.73 | 17.7 | 5.1 | 0.48 | 174 | 0.59 | 0.04 | 9.7 | 3.6 | 530 |
| W843579 | | 5.03 | 4.24 | 0.07 | 0.3 | 0.032 | 0.32 | 11.8 | 5.4 | 0.58 | 225 | 0.25 | 0.03 | 11.4 | 7.2 | 400 |
| W843580 | | 3.93 | 8.15 | 0.09 | 0.6 | 0.048 | 0.70 | 20.3 | 11.9 | 0.91 | 350 | 0.50 | 0.32 | 19.0 | 20.0 | 760 |
| W843581 | | 4.39 | 12.80 | 0.13 | 2.6 | 0.069 | 1.46 | 36.3 | 9.0 | 0.79 | 233 | 0.86 | 0.10 | 34.9 | 17.3 | 1100 |
| W843582 | | 4.24 | 14.55 | 0.12 | 2.3 | 0.087 | 1.98 | 41.4 | 10.5 | 0.63 | 445 | 1.32 | 0.09 | 35.2 | 22.1 | 1220 |
| W843583 | | 3.82 | 8.05 | 0.11 | 1.0 | 0.048 | 0.91 | 26.7 | 9.6 | 0.62 | 267 | 0.55 | 0.07 | 22.4 | 28.5 | 1280 |
| W843584 | | 3.82 | 12.90 | 0.16 | 1.3 | 0.050 | 1.77 | 36.1 | 12.8 | 0.91 | 408 | 0.62 | 0.06 | 25.9 | 18.2 | 1200 |
| W843585 | | 2.33 | 4.14 | 0.08 | 0.8 | 0.017 | 0.65 | 12.7 | 2.4 | 0.09 | 283 | 0.83 | 0.03 | 9.7 | 10.9 | 480 |
| W845080 | | 2.03 | 9.39 | 0.12 | 1.6 | 0.025 | 1.25 | 25.7 | 6.9 | 0.31 | 113 | 4.69 | 0.05 | 13.7 | 13.9 | 950 |
| W845081 | | 2.30 | 1.38 | 0.06 | 0.2 | 0.018 | 0.15 | 7.1 | 1.2 | 0.06 | 485 | 2.13 | 0.01 | 1.5 | 20.0 | 640 |
| W845082 | | 0.76 | 0.20 | <0.05 | <0.1 | <0.005 | 0.02 | 0.5 | 0.4 | <0.01 | 97 | 0.66 | 0.01 | 0.2 | 3.0 | 60 |
| W845083 | | 1.95 | 4.92 | 0.09 | 2.7 | 0.018 | 0.83 | 17.7 | 7.2 | 0.07 | 212 | 0.48 | 0.05 | 2.9 | 8.0 | 170 |
| W845084 | | 1.59 | 2.10 | 0.07 | 0.4 | 0.011 | 0.43 | 5.7 | 1.6 | 0.06 | 334 | 1.40 | 0.01 | 3.4 | 14.7 | 240 |
| W845085 | | 3.38 | 4.27 | 0.06 | 1.0 | 0.026 | 0.77 | 11.3 | 3.3 | 0.11 | 384 | 4.13 | 0.03 | 6.5 | 39.4 | 390 |
| W845086 | | 3.33 | 4.40 | 0.08 | 1.2 | 0.022 | 0.71 | 12.6 | 4.5 | 0.11 | 281 | 2.83 | 0.04 | 8.2 | 18.1 | 680 |
| W845087 | | 3.46 | 5.95 | 0.10 | 1.2 | 0.028 | 1.21 | 24.0 | 5.6 | 0.15 | 574 | 3.12 | 0.04 | 8.6 | 31.0 | 1030 |
| W845088 | | 2.09 | 1.90 | <0.05 | 0.2 | 0.013 | 0.39 | 2.4 | 1.6 | 0.09 | 231 | 1.75 | 0.02 | 1.5 | 10.3 | 300 |
| W845089 | | 4.74 | 12.00 | 0.09 | 1.1 | 0.057 | 1.06 | 28.3 | 27.4 | 1.52 | 458 | 0.45 | 0.27 | 29.0 | 20.3 | 1150 |
| W845090 | | 2.67 | 6.17 | 0.08 | 1.1 | 0.081 | 1.06 | 15.4 | 5.4 | 0.17 | 322 | 0.49 | 0.05 | 10.0 | 9.9 | 660 |
| S051411 | | 7.29 | 0.42 | 0.07 | 0.1 | 0.084 | 0.03 | 2.6 | 4.6 | 4.67 | 3330 | 1.46 | 0.01 | 0.5 | 32.3 | 200 |
| S051412 | | 4.69 | 2.87 | 0.08 | 0.3 | 0.068 | 0.50 | 17.9 | 1.8 | 2.59 | 2180 | 1.75 | 0.02 | 2.8 | 34.9 | 360 |
| S051413 | | 1.62 | 0.35 | <0.05 | <0.1 | 0.016 | 0.04 | 0.9 | 0.8 | 0.28 | 286 | 0.87 | 0.01 | 0.3 | 4.2 | 430 |
| S051414 | | 6.04 | 16.80 | 0.17 | 2.8 | 0.111 | 2.41 | 57.7 | 16.8 | 0.71 | 590 | 4.47 | 0.14 | 39.3 | 40.3 | 1740 |
| S051415 | | 2.80 | 2.73 | 0.06 | 0.2 | 0.035 | 0.34 | 9.5 | 5.0 | 0.69 | 740 | 1.30 | 0.02 | 5.7 | 17.4 | 350 |
| S051416 | | 4.35 | 2.02 | 0.05 | 0.3 | 0.050 | 0.24 | 3.8 | 5.2 | 1.23 | 1340 | 1.31 | 0.02 | 3.7 | 15.5 | 330 |
| S051417 | | 3.77 | 4.64 | 0.06 | 0.5 | 0.046 | 0.64 | 14.5 | 8.7 | 1.80 | 1100 | 0.97 | 0.04 | 9.5 | 39.4 | 350 |
| S051418 | | 2.70 | 3.47 | 0.07 | 0.2 | 0.023 | 0.44 | 17.2 | 7.5 | 1.21 | 786 | 0.38 | 0.03 | 8.1 | 13.1 | 580 |
| S051419 | | 2.44 | 4.33 | 0.06 | 0.3 | 0.024 | 0.56 | 14.1 | 8.5 | 0.73 | 578 | 0.71 | 0.03 | 13.6 | 18.2 | 530 |

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

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


**Finalized Date: 24-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162268

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W843574 | | 5.1 | 98.0 | <0.002 | 0.02 | 1.57 | 10.4 | 1 | 6.0 | 31.3 | 2.25 | <0.05 | 9.51 | 0.505 | 0.48 | 1.6 |
| W843575 | | 5.5 | 18.2 | <0.002 | 0.07 | 1.50 | 5.0 | 1 | 1.8 | 15.8 | 0.82 | <0.05 | 2.42 | 0.287 | 0.12 | 0.4 |
| W843576 | | 12.0 | 66.2 | <0.002 | 0.03 | 0.76 | 7.3 | <1 | 4.3 | 24.0 | 1.20 | <0.05 | 6.25 | 0.291 | 0.37 | 1.2 |
| W843577 | | 5.4 | 88.6 | <0.002 | 0.13 | 1.04 | 13.8 | 1 | 12.3 | 27.4 | 2.66 | 0.08 | 10.40 | 0.502 | 0.55 | 1.9 |
| W843578 | | 3.2 | 27.7 | <0.002 | 0.06 | 0.56 | 3.9 | <1 | 3.6 | 8.7 | 0.49 | <0.05 | 3.28 | 0.133 | 0.15 | 0.4 |
| W843579 | | 4.1 | 12.6 | <0.002 | 0.03 | 0.84 | 3.3 | 1 | 1.3 | 11.6 | 0.56 | <0.05 | 1.60 | 0.215 | 0.07 | 0.5 |
| W843580 | | 8.8 | 32.0 | <0.002 | 0.03 | 1.31 | 5.4 | <1 | 2.3 | 32.7 | 0.96 | <0.05 | 4.26 | 0.323 | 0.18 | 0.6 |
| W843581 | | 5.5 | 61.2 | <0.002 | 0.04 | 1.71 | 9.8 | 1 | 3.0 | 34.5 | 1.67 | <0.05 | 7.12 | 0.532 | 0.36 | 2.0 |
| W843582 | | 4.7 | 78.9 | <0.002 | 0.02 | 4.05 | 10.3 | 1 | 4.4 | 26.0 | 1.83 | <0.05 | 8.90 | 0.473 | 0.40 | 2.1 |
| W843583 | | 5.0 | 38.2 | <0.002 | 0.04 | 1.12 | 5.7 | 1 | 1.8 | 21.1 | 1.06 | <0.05 | 4.94 | 0.298 | 0.20 | 1.1 |
| W843584 | | 2.9 | 75.7 | <0.002 | 0.01 | 0.58 | 9.3 | 1 | 4.5 | 27.0 | 1.34 | <0.05 | 6.99 | 0.459 | 0.39 | 1.3 |
| W843585 | | 3.5 | 27.9 | <0.002 | 0.02 | 0.43 | 2.9 | 1 | 2.6 | 12.6 | 0.50 | <0.05 | 2.39 | 0.149 | 0.20 | 0.8 |
| W845080 | | 5.8 | 48.8 | <0.002 | 0.04 | 1.51 | 7.1 | 2 | 14.9 | 57.6 | 0.76 | 0.18 | 4.43 | 0.266 | 0.30 | 3.7 |
| W845081 | | 4.8 | 6.0 | <0.002 | 0.01 | 0.51 | 1.6 | 1 | 2.0 | 9.7 | 0.08 | 0.06 | 0.69 | 0.032 | 0.04 | 1.3 |
| W845082 | | 4.0 | 0.8 | <0.002 | <0.01 | 0.22 | 0.1 | 1 | 0.2 | 2.4 | <0.05 | <0.05 | 0.13 | <0.005 | <0.02 | 0.2 |
| W845083 | | 3.6 | 31.4 | <0.002 | <0.01 | 0.58 | 2.1 | 1 | 0.6 | 18.6 | 0.22 | <0.05 | 7.37 | 0.120 | 0.18 | 1.0 |
| W845084 | | 3.8 | 17.2 | <0.002 | 0.15 | 0.70 | 1.4 | 1 | 2.4 | 4.8 | 0.17 | <0.05 | 1.01 | 0.054 | 0.10 | 0.7 |
| W845085 | | 6.0 | 36.6 | <0.002 | 0.03 | 0.70 | 3.2 | 2 | 1.4 | 11.0 | 0.35 | <0.05 | 2.06 | 0.123 | 0.26 | 2.9 |
| W845086 | | 4.8 | 29.9 | <0.002 | 0.05 | 0.78 | 3.5 | 1 | 0.8 | 11.1 | 0.42 | <0.05 | 2.90 | 0.159 | 0.18 | 3.1 |
| W845087 | | 3.9 | 55.8 | <0.002 | 0.03 | 0.66 | 4.5 | 2 | 8.3 | 16.5 | 0.47 | <0.05 | 3.49 | 0.151 | 0.34 | 2.8 |
| W845088 | | 3.4 | 17.5 | <0.002 | 0.03 | 0.27 | 1.5 | 1 | 3.2 | 9.7 | 0.09 | <0.05 | 0.53 | 0.028 | 0.12 | 1.1 |
| W845089 | | 13.4 | 42.3 | <0.002 | 0.04 | 1.68 | 9.0 | <1 | 2.6 | 30.0 | 1.42 | <0.05 | 6.06 | 0.512 | 0.22 | 1.0 |
| W845090 | | 3.1 | 54.8 | <0.002 | 0.03 | 0.92 | 4.7 | 1 | 22.2 | 12.1 | 0.48 | <0.05 | 3.22 | 0.173 | 0.29 | 1.0 |
| S051411 | | 8.4 | 1.6 | <0.002 | 0.05 | 2.01 | 7.4 | 2 | 0.2 | 239 | <0.05 | <0.05 | 0.84 | 0.011 | 0.02 | 0.9 |
| S051412 | | 10.7 | 20.6 | <0.002 | 0.01 | 0.27 | 5.4 | 1 | 1.4 | 123.0 | 0.14 | <0.05 | 2.09 | 0.048 | 0.16 | 1.0 |
| S051413 | | 17.4 | 2.1 | <0.002 | 0.01 | 0.65 | 0.3 | 1 | <0.2 | 32.0 | <0.05 | <0.05 | 0.18 | 0.006 | 0.03 | 0.2 |
| S051414 | | 8.0 | 104.5 | <0.002 | 0.08 | 4.38 | 13.2 | 4 | 9.3 | 57.6 | 1.91 | 0.07 | 10.50 | 0.680 | 0.60 | 5.3 |
| S051415 | | 11.2 | 14.4 | <0.002 | 0.02 | 1.93 | 2.2 | 1 | 0.6 | 85.2 | 0.25 | 0.13 | 1.83 | 0.112 | 0.09 | 0.5 |
| S051416 | | 16.4 | 11.1 | <0.002 | 0.02 | 1.87 | 2.6 | 1 | 0.6 | 137.0 | 0.18 | 0.09 | 1.05 | 0.073 | 0.08 | 0.4 |
| S051417 | | 9.7 | 27.7 | <0.002 | 0.04 | 1.63 | 3.5 | 1 | 0.8 | 167.5 | 0.51 | 0.31 | 2.85 | 0.185 | 0.15 | 0.6 |
| S051418 | | 5.5 | 19.4 | <0.002 | 0.01 | 0.69 | 2.5 | <1 | 0.6 | 109.5 | 0.40 | 0.08 | 3.19 | 0.179 | 0.11 | 0.5 |
| S051419 | | 7.4 | 24.7 | <0.002 | 0.01 | 0.95 | 2.7 | <1 | 0.9 | 84.0 | 0.65 | 0.14 | 2.88 | 0.234 | 0.13 | 0.5 |

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

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**Finalized Date: 24-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20162268

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W843574 | | 89 | 1.3 | 13.6 | 37 | 76.0 |
| W843575 | | 49 | 0.6 | 4.2 | 36 | 10.2 |
| W843576 | | 60 | 1.1 | 10.9 | 45 | 68.2 |
| W843577 | | 124 | 0.9 | 12.4 | 31 | 156.5 |
| W843578 | | 38 | 0.3 | 3.4 | 18 | 16.7 |
| W843579 | | 33 | 0.4 | 2.9 | 29 | 11.6 |
| W843580 | | 53 | 0.8 | 5.3 | 52 | 23.1 |
| W843581 | | 99 | 1.6 | 8.2 | 40 | 93.5 |
| W843582 | | 99 | 2.4 | 9.9 | 61 | 87.3 |
| W843583 | | 54 | 0.8 | 11.2 | 49 | 43.9 |
| W843584 | | 84 | 1.0 | 8.5 | 28 | 49.5 |
| W843585 | | 28 | 0.5 | 3.2 | 14 | 30.8 |
| W845080 | | 136 | 3.9 | 5.2 | 10 | 81.9 |
| W845081 | | 15 | 0.6 | 5.0 | 19 | 9.6 |
| W845082 | | 3 | 0.1 | 0.3 | 9 | 1.3 |
| W845083 | | 22 | 0.3 | 6.2 | 10 | 75.2 |
| W845084 | | 18 | 0.6 | 2.2 | 12 | 13.9 |
| W845085 | | 52 | 0.5 | 4.1 | 25 | 39.3 |
| W845086 | | 51 | 0.4 | 5.1 | 20 | 48.2 |
| W845087 | | 61 | 0.8 | 6.8 | 18 | 46.9 |
| W845088 | | 16 | 0.3 | 2.2 | 18 | 9.6 |
| W845089 | | 81 | 1.2 | 9.4 | 252 | 46.6 |
| W845090 | | 48 | 1.1 | 3.7 | 12 | 46.0 |
| S051411 | | 4 | 0.2 | 16.0 | 44 | 5.4 |
| S051412 | | 17 | 0.5 | 18.9 | 26 | 10.2 |
| S051413 | | 8 | 0.1 | 2.3 | 37 | 1.2 |
| S051414 | | 169 | 2.2 | 14.8 | 32 | 110.0 |
| S051415 | | 17 | 0.3 | 4.2 | 47 | 8.8 |
| S051416 | | 12 | 0.3 | 7.6 | 62 | 5.6 |
| S051417 | | 31 | 0.6 | 6.2 | 49 | 19.5 |
| S051418 | | 21 | 0.3 | 5.3 | 33 | 11.2 |
| S051419 | | 25 | 0.5 | 5.0 | 39 | 10.9 |

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 24-AUG-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20162268

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| BAG-01 | CRU-32 | CRU-QC | LOG-21 |
| PUL-32 | PUL-QC | SPL-21 | WEI-21 |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 5-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20165298

Project: Rau

P.O. No.: R20-R05

This report is for 72 Rock samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| BAG-01 | Bulk Master for Storage |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |

## ANALYTICAL PROCEDURES

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 5-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165298

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| W843586 | | 1.38 | 0.014 | 0.16 | 2.07 | 118.5 | 710 | 0.74 | 1.56 | 2.13 | 0.53 | 25.9 | 10.0 | 38 | 1.26 | 49.4 |
| W843587 | | 0.96 | <0.005 | 0.07 | 1.44 | 67.7 | 520 | 0.56 | 0.21 | 2.24 | 0.28 | 29.2 | 10.0 | 36 | 0.90 | 31.5 |
| W843588 | | 0.72 | 0.008 | 0.10 | 2.56 | 78.8 | 1070 | 1.01 | 0.38 | 6.55 | 0.28 | 28.5 | 14.1 | 39 | 1.60 | 49.5 |
| W843589 | | 1.13 | 0.049 | 0.10 | 2.41 | 928 | 670 | 0.75 | 10.10 | 0.11 | 0.10 | 50.1 | 3.8 | 45 | 1.40 | 24.4 |
| W843590 | | 2.48 | 0.027 | 0.03 | 0.64 | 536 | 210 | 0.26 | 2.03 | 0.08 | 0.12 | 6.94 | 5.7 | 33 | 0.39 | 47.2 |
| W843591 | | 0.91 | 0.167 | 0.25 | 5.40 | 644 | 1600 | 1.90 | 7.72 | 0.09 | 0.03 | 103.5 | 13.0 | 81 | 3.06 | 87.4 |
| W843592 | | 0.99 | 1.410 | 0.15 | 6.32 | 311 | 1360 | 2.43 | 1.78 | 0.27 | <0.02 | 84.3 | 6.3 | 72 | 3.13 | 26.2 |
| W843593 | | 0.13 | 0.009 | 0.04 | 1.54 | 1485 | 290 | 0.70 | 0.28 | 5.58 | 0.49 | 24.3 | 46.1 | 18 | 0.14 | 24.3 |
| W843594 | | 2.13 | <0.005 | 0.02 | 0.03 | 49.0 | 20 | <0.05 | 0.07 | 0.02 | 0.06 | 0.47 | 0.7 | 40 | 0.34 | 3.4 |
| W843595 | | 1.90 | <0.005 | 0.04 | 3.96 | 184.5 | 1330 | 1.09 | 0.33 | 0.57 | 0.13 | 52.1 | 11.2 | 48 | 2.54 | 21.1 |
| W843596 | | 3.70 | <0.005 | 0.07 | 0.26 | 21.4 | 80 | 0.09 | 0.25 | 4.12 | 0.44 | 3.43 | 3.4 | 27 | 0.21 | 8.5 |
| W843597 | | 0.91 | <0.005 | 0.10 | 6.46 | 50.0 | 2140 | 1.99 | 0.73 | 0.34 | 0.17 | 126.0 | 13.7 | 60 | 3.95 | 75.4 |
| W843598 | | 0.93 | 0.015 | 0.12 | 7.80 | 280 | 2600 | 2.24 | 1.51 | 0.32 | 0.11 | 150.0 | 23.5 | 78 | 3.39 | 89.2 |
| W843599 | | 0.53 | <0.005 | 0.02 | 4.11 | 79.5 | 1390 | 1.39 | 0.36 | 0.27 | 0.17 | 81.9 | 13.8 | 42 | 4.18 | 20.6 |
| W843600 | | 0.49 | <0.005 | 0.04 | 0.55 | 65.3 | 190 | 0.17 | 0.34 | 0.04 | 0.08 | 5.80 | 8.6 | 29 | 0.35 | 42.5 |
| W843636 | | 1.89 | 0.017 | 0.06 | 2.87 | 333 | 890 | 1.01 | 0.56 | 1.54 | 0.30 | 39.3 | 10.7 | 43 | 1.97 | 43.4 |
| W843637 | | 1.54 | <0.005 | 0.05 | 6.53 | 134.5 | 1760 | 2.06 | 0.64 | 0.81 | 0.44 | 85.8 | 12.1 | 62 | 4.26 | 43.2 |
| W843638 | | 1.21 | <0.005 | 0.15 | 2.52 | 36.6 | 670 | 0.84 | 0.33 | 2.73 | 0.36 | 31.4 | 6.4 | 50 | 1.34 | 35.6 |
| W843639 | | 3.00 | <0.005 | 0.04 | 7.24 | 157.0 | 2280 | 2.15 | 0.76 | 0.41 | 0.16 | 115.0 | 23.7 | 55 | 5.41 | 74.1 |
| W843640 | | 1.14 | <0.005 | 0.03 | 7.62 | 145.5 | 2610 | 2.47 | 0.69 | 0.41 | 0.28 | 109.0 | 21.0 | 66 | 5.29 | 43.1 |
| W843641 | | 1.75 | 0.007 | 0.06 | 2.43 | 172.0 | 730 | 0.76 | 1.82 | 0.12 | 0.25 | 35.3 | 14.1 | 39 | 1.47 | 52.3 |
| W843642 | | 3.05 | 0.007 | 0.04 | 6.55 | 200 | 2140 | 1.92 | 1.51 | 0.66 | 0.12 | 99.3 | 7.0 | 65 | 5.34 | 58.3 |
| W843643 | | 1.96 | <0.005 | 0.05 | 7.17 | 149.0 | 2410 | 2.12 | 7.38 | 0.34 | 0.07 | 98.1 | 3.8 | 69 | 5.49 | 49.2 |
| W843644 | | 1.00 | 0.010 | 0.03 | 7.41 | 23.2 | 2000 | 1.89 | 0.72 | 0.19 | 0.07 | 108.5 | 16.3 | 41 | 4.29 | 36.3 |
| W843645 | | 2.15 | 0.007 | 0.13 | 4.73 | 61.7 | 900 | 1.01 | 0.87 | 0.29 | 0.41 | 46.1 | 13.0 | 33 | 3.24 | 20.1 |
| W843646 | | 1.94 | 0.012 | 0.08 | 7.48 | 52.1 | 2060 | 2.57 | 0.62 | 0.61 | 0.46 | 117.0 | 12.8 | 57 | 6.46 | 10.1 |
| W843647 | | 2.37 | 0.005 | 0.13 | 5.08 | 27.3 | 1150 | 1.12 | 0.32 | 0.83 | 0.44 | 64.7 | 7.7 | 51 | 6.04 | 28.1 |
| W843648 | | 1.86 | <0.005 | 0.11 | 4.13 | 40.8 | 960 | 1.03 | 0.28 | 0.43 | 0.65 | 82.0 | 18.0 | 39 | 5.51 | 30.8 |
| W843649 | | 1.98 | 0.006 | 0.04 | 3.72 | 54.3 | 840 | 0.92 | 0.21 | 0.22 | 0.24 | 47.2 | 11.7 | 43 | 4.16 | 38.8 |
| W843650 | | 2.17 | 0.005 | 0.06 | 2.07 | 54.4 | 390 | 0.62 | 0.28 | 0.10 | 0.15 | 23.2 | 4.6 | 37 | 1.76 | 39.0 |
| W845091 | | 1.44 | <0.005 | 0.04 | 0.82 | 40.0 | 220 | 0.32 | 0.14 | 0.05 | 0.15 | 14.00 | 7.4 | 48 | 0.69 | 35.1 |
| W845092 | | 1.17 | <0.005 | 0.04 | 0.42 | 179.5 | 100 | 0.16 | 0.62 | 0.01 | 0.04 | 7.05 | 3.0 | 48 | 0.26 | 6.4 |
| W845093 | | 1.58 | <0.005 | 0.07 | 1.01 | 48.5 | 330 | 0.35 | 0.23 | 1.26 | 0.50 | 12.25 | 5.7 | 45 | 0.67 | 34.9 |
| W845094 | | 3.31 | 0.181 | 0.05 | 2.75 | 764 | 730 | 0.99 | 7.58 | 0.02 | 0.11 | 54.1 | 3.3 | 36 | 1.17 | 6.8 |
| W845095 | | 2.60 | 0.101 | 0.03 | 5.64 | 678 | 1710 | 1.98 | 1.16 | 0.07 | 0.15 | 84.3 | 10.2 | 46 | 2.56 | 74.5 |
| W845096 | | 3.51 | 0.637 | 0.06 | 3.52 | 1230 | 1010 | 1.29 | 0.97 | 0.06 | 0.23 | 53.5 | 10.2 | 38 | 1.49 | 93.0 |
| W845097 | | 1.56 | 0.007 | 0.13 | 3.22 | 17.2 | 890 | 1.07 | 0.68 | 0.25 | 0.33 | 43.2 | 23.5 | 59 | 1.75 | 134.5 |
| W845098 | | 0.74 | 0.007 | 0.09 | 1.45 | 18.2 | 430 | 0.69 | 0.37 | 0.11 | 0.44 | 29.1 | 29.8 | 36 | 0.98 | 115.0 |
| W845099 | | 2.01 | <0.005 | 0.05 | 1.79 | 13.5 | 380 | 0.46 | 0.16 | 0.24 | 0.24 | 26.2 | 8.5 | 43 | 0.93 | 24.6 |
| W845100 | | 1.78 | 0.006 | 0.12 | 0.96 | 17.2 | 370 | 0.35 | 0.11 | 0.03 | 0.26 | 17.45 | 7.9 | 42 | 0.66 | 83.4 |

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

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**Finalized Date: 5-SEP-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20165298

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W843586 | | 3.60 | 5.61 | 0.07 | 1.0 | 0.044 | 0.86 | 13.6 | 5.3 | 0.53 | 1280 | 2.04 | 0.04 | 6.7 | 23.9 | 1140 |
| W843587 | | 3.18 | 3.88 | 0.07 | 0.7 | 0.031 | 0.60 | 16.4 | 4.1 | 0.75 | 1130 | 1.83 | 0.03 | 4.4 | 25.3 | 950 |
| W843588 | | 5.20 | 7.18 | 0.07 | 1.2 | 0.052 | 1.15 | 16.4 | 6.4 | 1.11 | 1900 | 3.18 | 0.04 | 6.8 | 45.9 | 2950 |
| W843589 | | 3.35 | 7.16 | 0.08 | 0.7 | 0.047 | 1.07 | 25.9 | 3.5 | 0.18 | 454 | 1.31 | 0.03 | 6.3 | 8.9 | 320 |
| W843590 | | 2.79 | 1.74 | <0.05 | 0.2 | 0.025 | 0.29 | 3.7 | 1.2 | 0.03 | 434 | 2.23 | 0.01 | 1.5 | 20.4 | 500 |
| W843591 | | 5.41 | 15.35 | 0.17 | 2.7 | 0.047 | 2.54 | 53.0 | 8.1 | 0.26 | 306 | 5.34 | 0.04 | 19.4 | 28.9 | 1000 |
| W843592 | | 2.41 | 17.50 | 0.15 | 2.7 | 0.045 | 2.24 | 43.1 | 9.3 | 0.82 | 196 | 1.68 | 0.14 | 20.9 | 24.1 | 910 |
| W843593 | | 27.1 | 4.51 | 0.13 | 0.5 | 1.150 | 0.07 | 8.4 | 1.8 | 0.88 | 16200 | 22.7 | 0.10 | 1.1 | 148.5 | 3060 |
| W843594 | | 1.15 | 0.16 | <0.05 | <0.1 | 0.006 | 0.01 | <0.5 | 1.3 | 0.01 | 154 | 0.80 | 0.01 | 0.1 | 3.0 | 40 |
| W843595 | | 3.31 | 10.20 | 0.09 | 1.6 | 0.056 | 1.72 | 28.1 | 6.3 | 0.52 | 575 | 1.32 | 0.04 | 24.1 | 21.4 | 1020 |
| W843596 | | 3.44 | 0.68 | <0.05 | <0.1 | 0.046 | 0.10 | 1.5 | 1.0 | 1.18 | 1900 | 0.85 | 0.01 | 0.4 | 7.7 | 140 |
| W843597 | | 6.67 | 18.90 | 0.18 | 2.5 | 0.141 | 2.24 | 65.6 | 16.1 | 1.34 | 624 | 1.01 | 0.14 | 56.6 | 27.5 | 1280 |
| W843598 | | 5.30 | 22.1 | 0.21 | 3.5 | 0.100 | 2.67 | 79.4 | 16.4 | 0.78 | 500 | 1.27 | 0.15 | 31.1 | 27.4 | 1510 |
| W843599 | | 4.79 | 11.50 | 0.14 | 1.6 | 0.056 | 1.42 | 42.8 | 12.3 | 0.78 | 958 | 1.09 | 0.12 | 39.0 | 31.1 | 850 |
| W843600 | | 2.00 | 1.19 | <0.05 | 0.2 | 0.011 | 0.21 | 2.9 | 1.0 | 0.03 | 319 | 1.71 | 0.02 | 1.4 | 13.7 | 150 |
| W843636 | | 3.57 | 7.98 | 0.11 | 1.1 | 0.055 | 1.19 | 21.4 | 5.9 | 0.49 | 1060 | 2.23 | 0.04 | 10.1 | 27.4 | 940 |
| W843637 | | 5.32 | 17.70 | 0.15 | 2.8 | 0.092 | 2.41 | 45.4 | 18.9 | 0.95 | 887 | 1.33 | 0.13 | 28.7 | 33.8 | 1260 |
| W843638 | | 2.67 | 6.81 | 0.20 | 0.3 | 0.052 | 0.81 | 20.1 | 12.9 | 0.43 | 790 | 1.24 | 0.05 | 1.1 | 19.8 | >10000 |
| W843639 | | 6.65 | 20.1 | 0.19 | 2.7 | 0.161 | 3.06 | 58.2 | 19.0 | 1.38 | 628 | 0.92 | 0.07 | 52.2 | 48.1 | 1930 |
| W843640 | | 5.32 | 20.8 | 0.19 | 3.6 | 0.123 | 3.44 | 57.2 | 13.3 | 0.91 | 735 | 1.20 | 0.11 | 48.2 | 34.3 | 1610 |
| W843641 | | 3.72 | 6.59 | 0.08 | 0.8 | 0.060 | 0.95 | 18.9 | 6.4 | 0.45 | 420 | 1.19 | 0.03 | 9.3 | 30.5 | 540 |
| W843642 | | 5.03 | 17.75 | 0.18 | 3.3 | 0.111 | 3.07 | 54.4 | 13.2 | 1.05 | 246 | 2.55 | 0.08 | 30.4 | 14.9 | 3090 |
| W843643 | | 8.02 | 19.60 | 0.17 | 2.7 | 0.096 | 3.32 | 53.0 | 21.1 | 1.65 | 440 | 0.75 | 0.08 | 35.3 | 11.1 | 1580 |
| W843644 | | 6.48 | 20.5 | 0.19 | 3.3 | 0.085 | 2.66 | 57.5 | 15.8 | 0.48 | 213 | 0.49 | 0.49 | 53.2 | 13.9 | 1420 |
| W843645 | | 6.12 | 12.45 | 0.09 | 1.9 | 0.045 | 1.22 | 21.4 | 18.4 | 1.88 | 488 | 0.85 | 0.06 | 34.7 | 18.2 | 1240 |
| W843646 | | 7.27 | 20.1 | 0.20 | 3.7 | 0.066 | 2.72 | 61.8 | 18.3 | 2.41 | 668 | 0.62 | 0.25 | 55.6 | 20.4 | 1760 |
| W843647 | | 5.21 | 13.25 | 0.11 | 1.1 | 0.038 | 1.40 | 33.9 | 21.7 | 1.54 | 892 | 0.60 | 0.25 | 26.6 | 20.5 | 1310 |
| W843648 | | 4.87 | 12.45 | 0.11 | 2.1 | 0.042 | 1.75 | 43.9 | 20.0 | 1.38 | 479 | 0.74 | 0.12 | 36.8 | 33.3 | 1200 |
| W843649 | | 4.72 | 10.65 | 0.08 | 1.5 | 0.046 | 1.36 | 26.2 | 13.9 | 1.11 | 570 | 0.65 | 0.08 | 19.6 | 21.0 | 910 |
| W843650 | | 2.99 | 5.89 | 0.06 | 0.8 | 0.026 | 0.65 | 12.8 | 7.6 | 0.56 | 191 | 0.66 | 0.06 | 8.5 | 7.8 | 550 |
| W845091 | | 1.63 | 2.12 | <0.05 | 0.4 | 0.013 | 0.37 | 7.7 | 2.5 | 0.05 | 217 | 2.28 | 0.02 | 3.0 | 18.4 | 490 |
| W845092 | | 1.12 | 1.28 | <0.05 | 0.2 | 0.007 | 0.19 | 3.8 | 0.7 | 0.03 | 119 | 1.21 | 0.01 | 1.0 | 6.1 | 70 |
| W845093 | | 2.49 | 2.72 | <0.05 | 0.6 | 0.020 | 0.39 | 6.8 | 3.7 | 0.29 | 1000 | 1.62 | 0.02 | 3.6 | 13.1 | 630 |
| W845094 | | 3.13 | 8.35 | 0.08 | 1.2 | 0.032 | 1.27 | 29.7 | 4.0 | 0.16 | 225 | 1.36 | 0.04 | 20.1 | 8.1 | 360 |
| W845095 | | 4.02 | 17.15 | 0.14 | 2.6 | 0.055 | 2.75 | 45.3 | 7.4 | 0.27 | 303 | 1.86 | 0.06 | 28.7 | 18.0 | 850 |
| W845096 | | 4.72 | 9.47 | 0.10 | 1.4 | 0.037 | 1.62 | 28.6 | 4.3 | 0.15 | 399 | 1.71 | 0.04 | 14.3 | 17.9 | 820 |
| W845097 | | 5.50 | 7.32 | 0.08 | 1.7 | 0.032 | 1.21 | 23.0 | 9.4 | 0.18 | 528 | 8.17 | 0.32 | 11.6 | 62.6 | 1520 |
| W845098 | | 6.35 | 3.50 | 0.07 | 0.9 | 0.031 | 0.59 | 12.4 | 4.7 | 0.11 | 1530 | 7.64 | 0.04 | 6.0 | 71.8 | 850 |
| W845099 | | 2.17 | 4.45 | 0.05 | 0.6 | 0.031 | 0.55 | 14.6 | 8.0 | 0.41 | 186 | 0.76 | 0.07 | 12.0 | 10.2 | 500 |
| W845100 | | 3.98 | 2.32 | <0.05 | 0.6 | 0.152 | 0.34 | 9.5 | 2.7 | 0.10 | 226 | 3.37 | 0.04 | 4.4 | 22.8 | 400 |

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

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Project: Rau


**Finalized Date: 5-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20165298

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W843586 | | 26.1 | 40.2 | <0.002 | 0.01 | 1.59 | 4.6 | 1 | 1.9 | 45.5 | 0.36 | 0.05 | 2.31 | 0.148 | 0.24 | 1.2 |
| W843587 | | 14.6 | 27.3 | <0.002 | 0.03 | 1.23 | 2.9 | 1 | 1.3 | 56.2 | 0.23 | <0.05 | 2.52 | 0.084 | 0.19 | 1.4 |
| W843588 | | 6.9 | 51.7 | 0.002 | 0.01 | 0.95 | 5.3 | 1 | 1.2 | 104.0 | 0.38 | 0.06 | 4.12 | 0.109 | 0.31 | 3.1 |
| W843589 | | 3.7 | 49.2 | <0.002 | 0.04 | 0.85 | 4.1 | 1 | 5.8 | 12.2 | 0.33 | 0.22 | 3.81 | 0.143 | 0.30 | 1.0 |
| W843590 | | 3.2 | 12.2 | <0.002 | 0.04 | 0.79 | 1.6 | 1 | 1.5 | 5.1 | 0.07 | <0.05 | 0.64 | 0.032 | 0.10 | 0.8 |
| W843591 | | 3.3 | 113.0 | <0.002 | 0.03 | 2.16 | 10.2 | 2 | 10.6 | 21.1 | 0.85 | 0.21 | 8.52 | 0.452 | 0.61 | 3.4 |
| W843592 | | 2.0 | 99.1 | <0.002 | 0.01 | 0.97 | 11.9 | <1 | 12.4 | 50.7 | 1.12 | 0.06 | 11.65 | 0.507 | 0.48 | 2.4 |
| W843593 | | 2.6 | 3.0 | <0.002 | 0.01 | 1.62 | 17.3 | 3 | 2.0 | 50.6 | 0.07 | <0.05 | 1.58 | 0.037 | 0.15 | 5.5 |
| W843594 | | 3.4 | 0.6 | <0.002 | <0.01 | 0.33 | 0.2 | <1 | <0.2 | 2.3 | <0.05 | <0.05 | 0.06 | <0.005 | 0.02 | 0.1 |
| W843595 | | 2.9 | 75.0 | <0.002 | 0.02 | 0.72 | 8.1 | 1 | 5.6 | 26.4 | 1.23 | <0.05 | 6.43 | 0.374 | 0.45 | 1.7 |
| W843596 | | 13.3 | 3.9 | <0.002 | 0.01 | 0.58 | 2.6 | 1 | 0.3 | 53.5 | <0.05 | <0.05 | 0.12 | 0.007 | 0.04 | 0.2 |
| W843597 | | 11.7 | 106.0 | <0.002 | 0.06 | 1.70 | 16.3 | 1 | 5.1 | 46.8 | 2.68 | <0.05 | 12.35 | 0.754 | 0.60 | 2.8 |
| W843598 | | 7.7 | 116.5 | <0.002 | 0.02 | 1.04 | 16.1 | 1 | 9.6 | 47.3 | 1.61 | 0.08 | 15.05 | 0.440 | 0.58 | 3.0 |
| W843599 | | 5.0 | 74.4 | <0.002 | 0.01 | 0.50 | 8.1 | 1 | 5.1 | 26.5 | 1.97 | <0.05 | 8.92 | 0.357 | 0.62 | 1.3 |
| W843600 | | 6.1 | 9.0 | <0.002 | 0.02 | 0.54 | 0.9 | 1 | 0.3 | 7.4 | 0.08 | 0.06 | 0.53 | 0.028 | 0.08 | 0.7 |
| W843636 | | 9.4 | 56.7 | <0.002 | 0.03 | 1.23 | 5.7 | 2 | 3.2 | 41.7 | 0.51 | <0.05 | 4.76 | 0.213 | 0.31 | 1.4 |
| W843637 | | 4.7 | 113.5 | <0.002 | 0.01 | 1.18 | 13.7 | 1 | 5.2 | 38.6 | 1.43 | <0.05 | 10.70 | 0.602 | 0.62 | 2.5 |
| W843638 | | 9.6 | 36.3 | <0.002 | 0.01 | 0.23 | 5.3 | <1 | 0.3 | 194.0 | 0.05 | <0.05 | 3.13 | 0.181 | 0.19 | 3.3 |
| W843639 | | 5.7 | 143.5 | <0.002 | 0.02 | 1.30 | 18.2 | 1 | 11.5 | 53.2 | 2.41 | 0.05 | 10.55 | 0.841 | 0.82 | 3.0 |
| W843640 | | 4.6 | 156.5 | 0.002 | 0.02 | 1.69 | 17.6 | 1 | 8.7 | 53.5 | 2.35 | <0.05 | 11.80 | 0.769 | 0.85 | 2.7 |
| W843641 | | 6.0 | 42.7 | <0.002 | 0.08 | 2.00 | 5.5 | 1 | 2.7 | 34.1 | 0.47 | <0.05 | 3.43 | 0.216 | 0.26 | 1.5 |
| W843642 | | 4.3 | 145.0 | <0.002 | 0.04 | 3.26 | 14.7 | 1 | 7.3 | 50.3 | 1.54 | 0.09 | 11.10 | 0.621 | 0.85 | 4.1 |
| W843643 | | 3.3 | 146.0 | <0.002 | 0.27 | 1.04 | 17.9 | 1 | 12.0 | 77.5 | 1.74 | <0.05 | 11.90 | 0.746 | 1.01 | 3.3 |
| W843644 | | 3.1 | 128.5 | <0.002 | 0.02 | 1.14 | 17.4 | <1 | 3.3 | 41.5 | 2.57 | <0.05 | 11.90 | 0.722 | 0.60 | 2.9 |
| W843645 | | 28.0 | 59.1 | <0.002 | 0.03 | 2.38 | 9.2 | <1 | 3.2 | 25.1 | 1.71 | <0.05 | 6.68 | 0.453 | 0.31 | 0.8 |
| W843646 | | 17.8 | 127.5 | <0.002 | 0.03 | 0.67 | 18.7 | 1 | 5.5 | 77.9 | 2.78 | <0.05 | 11.85 | 0.904 | 0.71 | 1.7 |
| W843647 | | 27.8 | 76.3 | <0.002 | 0.05 | 0.99 | 10.6 | <1 | 3.6 | 72.4 | 1.28 | <0.05 | 7.23 | 0.512 | 0.69 | 1.1 |
| W843648 | | 32.7 | 87.3 | 0.003 | 0.07 | 0.63 | 8.8 | <1 | 4.9 | 44.0 | 1.72 | <0.05 | 8.86 | 0.411 | 0.61 | 1.5 |
| W843649 | | 11.4 | 68.5 | <0.002 | 0.03 | 0.80 | 8.2 | <1 | 4.5 | 26.2 | 0.94 | <0.05 | 4.66 | 0.409 | 0.43 | 1.0 |
| W843650 | | 9.5 | 31.8 | <0.002 | 0.05 | 0.64 | 4.2 | 1 | 2.3 | 24.3 | 0.43 | <0.05 | 2.54 | 0.188 | 0.20 | 0.7 |
| W845091 | | 6.0 | 14.6 | 0.003 | 0.01 | 0.62 | 1.5 | 2 | 0.6 | 12.5 | 0.17 | <0.05 | 1.20 | 0.053 | 0.14 | 1.2 |
| W845092 | | 2.2 | 9.0 | <0.002 | 0.01 | 0.69 | 0.7 | 1 | 1.9 | 1.7 | 0.05 | <0.05 | 1.36 | 0.028 | 0.06 | 0.3 |
| W845093 | | 11.2 | 16.9 | <0.002 | 0.01 | 0.70 | 2.0 | 1 | 0.5 | 26.4 | 0.18 | <0.05 | 1.37 | 0.071 | 0.11 | 0.8 |
| W845094 | | 6.2 | 51.1 | <0.002 | 0.02 | 16.70 | 5.3 | 1 | 9.5 | 15.2 | 1.00 | <0.05 | 5.25 | 0.184 | 0.57 | 1.2 |
| W845095 | | 5.1 | 111.5 | <0.002 | 0.02 | 6.75 | 12.0 | 1 | 15.9 | 39.0 | 1.49 | 0.05 | 9.66 | 0.441 | 0.86 | 2.8 |
| W845096 | | 4.4 | 65.7 | <0.002 | 0.02 | 11.25 | 7.8 | 1 | 9.4 | 43.1 | 0.74 | 0.06 | 5.39 | 0.213 | 0.58 | 2.0 |
| W845097 | | 7.8 | 45.1 | <0.002 | 0.01 | 1.26 | 7.0 | 3 | 1.4 | 37.3 | 0.62 | 0.07 | 4.88 | 0.212 | 0.25 | 4.5 |
| W845098 | | 9.4 | 22.7 | 0.002 | 0.01 | 1.00 | 4.0 | 3 | 0.6 | 12.3 | 0.30 | 0.06 | 2.65 | 0.120 | 0.17 | 5.3 |
| W845099 | | 8.6 | 21.0 | <0.002 | 0.01 | 0.48 | 2.9 | <1 | 0.7 | 20.6 | 0.56 | <0.05 | 3.05 | 0.152 | 0.10 | 0.9 |
| W845100 | | 4.1 | 13.2 | <0.002 | 0.15 | 1.64 | 1.7 | 2 | 0.3 | 9.4 | 0.25 | 0.12 | 1.51 | 0.083 | 0.09 | 2.4 |

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

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**Finalized Date: 5-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165298

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W843586 | | 62 | 1.2 | 9.5 | 54 | 38.1 |
| W843587 | | 57 | 0.6 | 7.8 | 36 | 30.4 |
| W843588 | | 181 | 0.8 | 15.0 | 30 | 53.1 |
| W843589 | | 51 | 1.6 | 4.3 | 11 | 30.8 |
| W843590 | | 30 | 0.5 | 2.4 | 9 | 9.4 |
| W843591 | | 114 | 5.5 | 12.1 | 6 | 111.0 |
| W843592 | | 137 | 5.5 | 10.8 | 13 | 115.0 |
| W843593 | | 38 | 0.6 | 139.0 | 78 | 24.2 |
| W843594 | | 2 | <0.1 | 0.5 | 15 | 0.7 |
| W843595 | | 82 | 2.6 | 7.5 | 41 | 66.0 |
| W843596 | | 5 | 0.3 | 7.7 | 45 | 1.6 |
| W843597 | | 129 | 4.2 | 13.1 | 74 | 147.5 |
| W843598 | | 147 | 2.1 | 17.4 | 42 | 137.0 |
| W843599 | | 69 | 1.3 | 16.6 | 31 | 105.0 |
| W843600 | | 12 | 0.2 | 1.8 | 21 | 9.2 |
| W843636 | | 73 | 1.4 | 8.0 | 37 | 50.0 |
| W843637 | | 142 | 2.6 | 14.1 | 82 | 121.0 |
| W843638 | | 86 | 0.4 | 24.9 | 63 | 22.2 |
| W843639 | | 175 | 4.1 | 18.9 | 92 | 106.5 |
| W843640 | | 171 | 3.6 | 17.0 | 67 | 133.5 |
| W843641 | | 49 | 2.6 | 6.5 | 50 | 41.0 |
| W843642 | | 190 | 3.3 | 19.8 | 47 | 130.0 |
| W843643 | | 158 | 3.2 | 18.3 | 53 | 120.0 |
| W843644 | | 142 | 1.5 | 13.1 | 59 | 145.5 |
| W843645 | | 75 | 2.1 | 8.9 | 88 | 82.9 |
| W843646 | | 150 | 2.8 | 17.4 | 113 | 124.0 |
| W843647 | | 113 | 1.4 | 12.4 | 93 | 54.4 |
| W843648 | | 89 | 1.1 | 13.3 | 73 | 77.2 |
| W843649 | | 80 | 1.5 | 8.2 | 52 | 52.2 |
| W843650 | | 42 | 1.1 | 3.4 | 28 | 25.9 |
| W845091 | | 31 | 0.2 | 3.0 | 28 | 16.3 |
| W845092 | | 10 | 0.5 | 1.4 | 9 | 8.6 |
| W845093 | | 34 | 0.5 | 5.1 | 49 | 20.0 |
| W845094 | | 40 | 1.9 | 7.3 | 10 | 54.7 |
| W845095 | | 102 | 4.3 | 10.9 | 20 | 116.0 |
| W845096 | | 57 | 2.2 | 9.4 | 24 | 70.5 |
| W845097 | | 99 | 0.5 | 11.1 | 58 | 83.2 |
| W845098 | | 48 | 0.3 | 6.9 | 92 | 43.8 |
| W845099 | | 29 | 0.3 | 4.3 | 55 | 27.2 |
| W845100 | | 32 | 0.3 | 2.7 | 132 | 32.3 |

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

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**Finalized Date: 5-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165298

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| S051420 | | 2.85 | 0.048 | 0.22 | 1.14 | 9.4 | 190 | 0.26 | 0.69 | 7.74 | 0.63 | 15.60 | 18.1 | 25 | 0.46 | 51.1 |
| S051421 | | 1.90 | 0.164 | 0.23 | 1.15 | 15.1 | 340 | 0.44 | 1.01 | 4.44 | 0.33 | 15.05 | 20.7 | 24 | 0.87 | 69.4 |
| S051422 | | 2.44 | 0.184 | 0.25 | 1.30 | 29.0 | 380 | 0.43 | 1.00 | 6.77 | 0.40 | 19.30 | 18.6 | 28 | 0.99 | 63.9 |
| S051423 | | 1.15 | <0.005 | 0.10 | 0.29 | 13.3 | 80 | 0.11 | 0.11 | 0.51 | 0.13 | 5.55 | 3.2 | 27 | 0.29 | 43.0 |
| S051424 | | 0.81 | 0.058 | 0.14 | 2.49 | 3.4 | 670 | 0.74 | 1.20 | 3.70 | 0.30 | 19.15 | 11.4 | 39 | 1.75 | 24.0 |
| S051425 | | 1.37 | 0.007 | 0.13 | 2.28 | 202 | 480 | 0.75 | 1.85 | 0.09 | 0.25 | 43.9 | 6.0 | 43 | 1.20 | 15.8 |
| S051426 | | 1.36 | 0.008 | 0.07 | 0.41 | 159.0 | 140 | 0.17 | 0.28 | 0.40 | 0.32 | 88.3 | 8.5 | 27 | 0.28 | 14.0 |
| S051427 | | 2.04 | <0.005 | 0.02 | 0.27 | 105.5 | 60 | 0.10 | 0.24 | 0.03 | <0.02 | 23.0 | 1.1 | 49 | 0.17 | 1.8 |
| S051428 | | 1.16 | 0.248 | 0.10 | 5.00 | 470 | 1480 | 1.79 | 3.58 | 0.10 | 0.04 | 80.0 | 7.0 | 57 | 3.13 | 37.2 |
| S051429 | | 0.18 | 0.049 | 0.05 | 2.37 | 930 | 690 | 0.85 | 15.45 | 0.10 | 0.13 | 20.3 | 5.9 | 43 | 1.36 | 14.4 |
| S051430 | | 2.18 | 0.014 | 0.03 | 0.23 | 301 | 90 | 0.12 | 0.74 | 2.58 | 0.12 | 19.20 | 3.5 | 26 | 0.14 | 6.5 |
| S051431 | | 2.31 | 0.053 | 0.20 | 0.49 | 789 | 160 | 0.20 | 5.00 | 1.63 | 0.25 | 23.8 | 7.5 | 32 | 0.31 | 20.8 |
| S051432 | | 2.43 | <0.005 | 0.10 | 6.56 | 72.0 | 1440 | 1.43 | 0.54 | 0.98 | 0.37 | 97.4 | 11.9 | 52 | 9.36 | 37.1 |
| S051433 | | 0.47 | 0.010 | 0.04 | 2.67 | 14.8 | 460 | 0.54 | 0.49 | 0.14 | 0.10 | 31.8 | 5.7 | 37 | 1.41 | 30.7 |
| S051434 | | 1.50 | <0.005 | 0.02 | 7.55 | 56.9 | 1460 | 1.74 | 0.29 | 0.48 | 0.07 | 93.2 | 21.7 | 56 | 8.35 | 54.1 |
| S051435 | | 2.31 | 0.006 | 0.01 | 6.42 | 22.6 | 1570 | 1.60 | 0.58 | 0.41 | 0.09 | 83.3 | 7.5 | 64 | 6.25 | 50.0 |
| S051436 | | 1.90 | 0.005 | 0.02 | 3.50 | 32.9 | 710 | 0.91 | 0.20 | 0.34 | 0.16 | 42.0 | 4.7 | 44 | 3.18 | 20.5 |
| S051437 | | 1.46 | <0.005 | <0.01 | 8.01 | 12.7 | 1990 | 1.52 | 0.26 | 0.45 | <0.02 | 80.1 | 11.3 | 57 | 10.80 | 18.2 |
| S051438 | | 1.88 | <0.005 | 0.06 | 2.28 | 15.9 | 510 | 0.67 | 0.07 | 0.62 | 0.35 | 32.4 | 7.9 | 39 | 1.37 | 14.6 |
| S051439 | | 2.36 | <0.005 | 0.04 | 2.24 | 7.3 | 460 | 0.61 | 0.09 | 0.23 | 0.22 | 24.3 | 7.0 | 39 | 1.26 | 25.6 |
| S051440 | | 1.64 | <0.005 | 0.03 | 5.83 | 22.8 | 1320 | 1.54 | 0.20 | 0.40 | 0.20 | 81.1 | 14.8 | 61 | 3.75 | 45.7 |
| S051441 | | 1.13 | 0.021 | 0.09 | 6.14 | 40.4 | 1890 | 1.77 | 0.37 | 0.16 | 0.07 | 76.0 | 12.5 | 89 | 4.00 | 47.6 |
| S051442 | | 2.53 | <0.005 | 0.04 | 0.13 | 13.2 | 60 | 0.07 | 0.02 | 1.08 | 0.11 | 1.62 | 0.7 | 41 | 0.31 | 1.3 |
| S051443 | | 2.26 | <0.005 | 0.04 | 1.88 | 6.0 | 620 | 0.49 | 0.06 | 0.69 | 0.27 | 16.60 | 3.3 | 43 | 1.10 | 9.7 |
| S051444 | | 1.72 | <0.005 | 0.06 | 1.38 | 91.6 | 490 | 0.45 | 0.12 | 0.46 | 0.26 | 17.60 | 12.6 | 33 | 1.13 | 26.9 |
| S051445 | | 2.63 | 0.013 | 0.04 | 0.94 | 11.2 | 330 | 0.31 | 0.05 | 0.85 | 0.17 | 8.07 | 3.8 | 34 | 0.66 | 8.7 |
| V764151 | | 0.73 | 0.005 | 0.05 | 2.85 | 177.0 | 1140 | 1.05 | 0.24 | 1.91 | 0.11 | 38.2 | 6.7 | 53 | 1.91 | 15.2 |
| V764152 | | 1.87 | 0.005 | 0.11 | 6.82 | 132.5 | 2120 | 1.99 | 0.65 | 0.46 | 0.17 | 79.1 | 23.3 | 63 | 2.97 | 60.3 |
| V764153 | | 1.28 | 0.114 | 0.05 | 0.68 | 96.7 | 180 | 0.23 | 0.49 | 0.23 | 0.10 | 10.90 | 10.0 | 36 | 0.54 | 20.8 |
| V764154 | | 1.46 | 0.193 | 0.55 | 6.46 | 332 | 980 | 1.05 | 16.75 | 0.30 | 0.02 | 89.5 | 6.9 | 33 | 2.22 | 25.8 |
| V764155 | | 1.44 | 0.018 | 0.18 | 3.65 | 131.5 | 1070 | 1.19 | 0.75 | 19.70 | 0.12 | 60.7 | 8.0 | 31 | 1.74 | 27.0 |
| V764156 | | 1.95 | 0.319 | 0.39 | 2.72 | 68.6 | 170 | 0.55 | 2.20 | 8.25 | 0.04 | 57.8 | 0.6 | 41 | 0.45 | 2.7 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165298

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| S051420 | | 5.77 | 1.88 | <0.05 | 0.5 | 0.029 | 0.30 | 9.0 | 5.3 | 1.76 | 2080 | 3.14 | 0.01 | 2.9 | 43.8 | 540 |
| S051421 | | 5.89 | 2.89 | <0.05 | 0.5 | 0.029 | 0.52 | 8.0 | 2.5 | 1.01 | 1870 | 3.93 | 0.02 | 2.8 | 67.8 | 510 |
| S051422 | | 6.24 | 3.18 | 0.05 | 0.5 | 0.035 | 0.57 | 10.4 | 3.6 | 2.12 | 2490 | 3.39 | 0.02 | 2.8 | 65.0 | 580 |
| S051423 | | 1.33 | 0.72 | <0.05 | 0.1 | 0.094 | 0.13 | 2.6 | 0.7 | 0.06 | 470 | 0.83 | 0.01 | 0.9 | 6.3 | 1330 |
| S051424 | | 4.24 | 6.13 | 0.05 | 0.8 | 0.035 | 1.18 | 10.1 | 4.6 | 0.61 | 1460 | 3.23 | 0.04 | 8.4 | 34.5 | 1130 |
| S051425 | | 3.43 | 6.34 | 0.07 | 0.4 | 0.121 | 1.02 | 21.3 | 1.1 | 0.12 | 846 | 0.95 | 0.03 | 3.0 | 15.3 | 330 |
| S051426 | | 1.37 | 1.65 | 0.10 | 0.4 | 0.022 | 0.18 | 44.2 | 0.7 | 0.12 | 1360 | 2.44 | 0.01 | 1.1 | 11.0 | 260 |
| S051427 | | 1.00 | 0.89 | <0.05 | 0.2 | 0.006 | 0.10 | 11.4 | 0.7 | 0.03 | 93 | 0.54 | 0.01 | 1.1 | 2.9 | 100 |
| S051428 | | 3.22 | 13.90 | 0.12 | 0.8 | 0.051 | 2.42 | 38.4 | 5.1 | 0.23 | 466 | 0.56 | 0.05 | 10.5 | 28.2 | 270 |
| S051429 | | 3.86 | 6.76 | 0.05 | 0.9 | 0.033 | 1.10 | 10.1 | 3.2 | 0.13 | 828 | 1.46 | 0.04 | 7.1 | 21.9 | 330 |
| S051430 | | 2.28 | 0.87 | <0.05 | 0.3 | 0.007 | 0.11 | 11.0 | 0.6 | 0.48 | 1580 | 1.05 | <0.01 | 2.0 | 9.7 | 570 |
| S051431 | | 3.17 | 1.53 | <0.05 | 0.5 | 0.015 | 0.21 | 13.0 | 1.0 | 0.20 | 1280 | 1.50 | 0.01 | 2.5 | 15.5 | 600 |
| S051432 | | 7.34 | 18.40 | 0.14 | 2.0 | 0.046 | 2.11 | 52.4 | 31.0 | 2.33 | 946 | 0.55 | 0.22 | 58.2 | 20.6 | 1590 |
| S051433 | | 3.85 | 7.63 | 0.06 | 0.8 | 0.026 | 0.72 | 17.5 | 12.2 | 0.98 | 338 | 1.09 | 0.04 | 14.8 | 10.1 | 680 |
| S051434 | | 8.97 | 22.2 | 0.15 | 3.3 | 0.057 | 2.27 | 49.2 | 30.2 | 2.64 | 621 | 0.49 | 0.34 | 45.7 | 40.2 | 1800 |
| S051435 | | 6.32 | 19.50 | 0.12 | 2.4 | 0.064 | 2.36 | 44.5 | 15.8 | 1.76 | 563 | 0.76 | 0.28 | 34.9 | 20.9 | 1370 |
| S051436 | | 2.90 | 9.98 | 0.08 | 1.0 | 0.026 | 1.25 | 22.2 | 10.0 | 0.74 | 347 | 0.44 | 0.19 | 12.5 | 8.1 | 1100 |
| S051437 | | 8.77 | 22.8 | 0.14 | 3.7 | 0.071 | 3.17 | 42.6 | 23.2 | 2.44 | 697 | 0.61 | 0.25 | 42.9 | 18.4 | 1860 |
| S051438 | | 2.21 | 5.54 | 0.08 | 0.9 | 0.021 | 0.71 | 16.8 | 8.2 | 0.52 | 258 | 0.49 | 0.25 | 13.8 | 18.3 | 780 |
| S051439 | | 2.30 | 5.43 | 0.06 | 0.6 | 0.036 | 0.65 | 12.9 | 9.7 | 0.47 | 237 | 0.57 | 0.26 | 8.6 | 13.1 | 770 |
| S051440 | | 4.98 | 16.15 | 0.14 | 1.9 | 0.083 | 1.89 | 43.2 | 27.1 | 1.57 | 327 | 0.47 | 0.35 | 31.2 | 23.2 | 1420 |
| S051441 | | 4.24 | 17.00 | 0.13 | 3.9 | 0.055 | 2.69 | 40.2 | 20.1 | 0.38 | 249 | 13.80 | 0.10 | 34.0 | 37.8 | 1770 |
| S051442 | | 1.10 | 0.33 | <0.05 | <0.1 | 0.013 | 0.04 | 0.6 | 1.0 | 0.29 | 266 | 0.60 | 0.02 | 0.2 | 2.5 | 810 |
| S051443 | | 1.94 | 4.55 | 0.06 | 0.5 | 0.033 | 0.68 | 8.5 | 4.5 | 0.32 | 497 | 0.59 | 0.19 | 7.5 | 10.0 | 600 |
| S051444 | | 3.40 | 3.47 | 0.05 | 0.6 | 0.039 | 0.44 | 9.2 | 5.4 | 0.44 | 803 | 0.92 | 0.12 | 8.5 | 24.1 | 430 |
| S051445 | | 1.92 | 2.21 | <0.05 | 0.2 | 0.035 | 0.33 | 3.9 | 2.6 | 0.38 | 578 | 0.71 | 0.07 | 3.2 | 10.0 | 390 |
| V764151 | | 3.22 | 6.82 | 0.09 | 0.8 | 0.053 | 1.23 | 22.6 | 6.0 | 0.98 | 1000 | 1.47 | 0.05 | 11.1 | 21.0 | 790 |
| V764152 | | 6.77 | 17.20 | 0.12 | 2.4 | 0.098 | 2.26 | 47.3 | 17.9 | 1.37 | 804 | 1.53 | 0.13 | 36.5 | 43.8 | 1910 |
| V764153 | | 1.95 | 1.75 | <0.05 | 0.2 | 0.009 | 0.25 | 6.0 | 1.5 | 0.14 | 358 | 0.98 | 0.03 | 1.7 | 19.3 | 310 |
| V764154 | | 12.90 | 18.90 | 0.09 | 0.5 | 0.069 | 1.03 | 50.7 | 54.7 | 3.00 | 473 | 0.57 | 0.49 | 60.3 | 8.6 | 1700 |
| V764155 | | 3.53 | 9.25 | 0.05 | 1.5 | 0.136 | 1.42 | 36.2 | 4.7 | 0.54 | 508 | 0.98 | 0.08 | 22.7 | 17.6 | 900 |
| V764156 | | 0.78 | 7.16 | 0.06 | 1.3 | 0.008 | 0.29 | 35.6 | 3.0 | 0.77 | 54 | 0.54 | 0.21 | 9.4 | 1.2 | 90 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165298

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| S051420 | | 17.3 | 12.4 | <0.002 | 0.13 | 2.17 | 2.5 | 3 | 0.5 | 196.5 | 0.15 | 0.05 | 1.27 | 0.058 | 0.14 | 1.6 |
| S051421 | | 7.7 | 21.7 | <0.002 | 0.09 | 1.95 | 3.3 | 2 | 1.0 | 73.3 | 0.15 | <0.05 | 1.19 | 0.059 | 0.17 | 1.7 |
| S051422 | | 10.5 | 24.1 | <0.002 | 0.10 | 1.67 | 3.6 | 2 | 0.9 | 206 | 0.16 | <0.05 | 1.16 | 0.055 | 0.19 | 2.3 |
| S051423 | | 3.4 | 6.4 | <0.002 | 0.07 | 0.52 | 0.9 | 1 | 1.9 | 27.0 | <0.05 | <0.05 | 0.30 | 0.020 | 0.04 | 0.3 |
| S051424 | | 6.5 | 50.7 | <0.002 | 0.04 | 1.34 | 5.6 | 1 | 2.4 | 64.5 | 0.45 | <0.05 | 2.08 | 0.158 | 0.34 | 1.5 |
| S051425 | | 3.9 | 52.3 | <0.002 | 0.01 | 0.57 | 3.9 | 1 | 2.6 | 13.7 | 0.20 | <0.05 | 5.68 | 0.093 | 0.49 | 0.7 |
| S051426 | | 6.8 | 8.0 | <0.002 | 0.02 | 0.68 | 0.9 | <1 | 1.5 | 5.1 | 0.06 | <0.05 | 2.57 | 0.028 | 0.06 | 0.7 |
| S051427 | | 1.9 | 4.3 | <0.002 | 0.01 | 0.19 | 0.6 | <1 | 0.8 | 4.5 | 0.05 | <0.05 | 3.05 | 0.038 | 0.03 | 0.4 |
| S051428 | | 2.4 | 99.9 | <0.002 | 0.01 | 1.34 | 7.7 | 1 | 9.3 | 15.1 | 0.58 | <0.05 | 11.05 | 0.253 | 0.52 | 1.4 |
| S051429 | | 3.3 | 43.1 | <0.002 | 0.01 | 0.77 | 3.8 | 1 | 6.7 | 11.2 | 0.37 | 0.14 | 4.11 | 0.166 | 0.26 | 0.9 |
| S051430 | | 2.6 | 4.7 | <0.002 | 0.04 | 0.30 | 0.6 | 1 | 0.8 | 17.9 | 0.09 | <0.05 | 1.41 | 0.030 | 0.04 | 0.4 |
| S051431 | | 17.2 | 9.5 | <0.002 | 0.05 | 0.68 | 1.1 | 1 | 1.2 | 12.0 | 0.12 | 0.07 | 1.77 | 0.045 | 0.07 | 0.7 |
| S051432 | | 24.5 | 106.0 | <0.002 | 0.08 | 0.71 | 12.7 | 1 | 4.5 | 85.7 | 3.11 | <0.05 | 11.65 | 0.823 | 0.78 | 1.0 |
| S051433 | | 10.6 | 34.1 | <0.002 | 0.03 | 0.63 | 4.9 | 1 | 2.8 | 14.3 | 0.82 | <0.05 | 4.47 | 0.247 | 0.20 | 0.7 |
| S051434 | | 3.6 | 124.0 | <0.002 | 0.05 | 1.50 | 17.6 | 1 | 5.4 | 63.2 | 2.42 | <0.05 | 11.40 | 0.926 | 0.91 | 1.9 |
| S051435 | | 5.5 | 115.5 | <0.002 | 0.03 | 1.52 | 14.3 | 1 | 5.5 | 55.1 | 1.82 | 0.06 | 10.25 | 0.686 | 0.69 | 2.1 |
| S051436 | | 8.1 | 62.7 | <0.002 | 0.03 | 0.70 | 6.9 | <1 | 3.1 | 29.4 | 0.68 | <0.05 | 5.20 | 0.273 | 0.37 | 0.9 |
| S051437 | | 3.5 | 153.0 | <0.002 | 0.02 | 0.80 | 18.3 | 1 | 7.0 | 38.4 | 2.33 | <0.05 | 9.88 | 0.920 | 1.04 | 3.4 |
| S051438 | | 10.1 | 29.7 | <0.002 | 0.01 | 0.86 | 3.4 | <1 | 0.6 | 43.5 | 0.70 | <0.05 | 3.49 | 0.210 | 0.12 | 0.7 |
| S051439 | | 8.2 | 27.4 | <0.002 | 0.01 | 0.79 | 3.4 | <1 | 0.8 | 38.3 | 0.44 | <0.05 | 2.76 | 0.149 | 0.12 | 0.6 |
| S051440 | | 8.4 | 77.0 | <0.002 | 0.01 | 1.49 | 11.1 | 1 | 2.0 | 64.6 | 1.63 | <0.05 | 10.15 | 0.566 | 0.34 | 1.6 |
| S051441 | | 5.2 | 102.5 | <0.002 | 0.03 | 3.52 | 13.0 | 1 | 1.8 | 34.2 | 1.80 | 0.10 | 9.51 | 0.645 | 0.59 | 8.8 |
| S051442 | | 6.2 | 1.4 | <0.002 | <0.01 | 0.19 | 0.8 | <1 | <0.2 | 34.5 | <0.05 | <0.05 | 0.14 | <0.005 | 0.02 | 0.1 |
| S051443 | | 8.2 | 25.6 | <0.002 | 0.01 | 0.43 | 2.8 | <1 | 2.0 | 33.7 | 0.35 | <0.05 | 1.77 | 0.117 | 0.13 | 0.4 |
| S051444 | | 8.5 | 19.7 | <0.002 | 0.03 | 0.72 | 3.2 | <1 | 1.2 | 25.5 | 0.43 | <0.05 | 1.78 | 0.116 | 0.14 | 0.6 |
| S051445 | | 5.9 | 13.4 | <0.002 | 0.01 | 0.49 | 2.7 | <1 | 1.1 | 29.7 | 0.15 | <0.05 | 0.82 | 0.052 | 0.08 | 0.3 |
| V764151 | | 5.2 | 53.3 | <0.002 | 0.02 | 0.64 | 5.4 | 1 | 3.9 | 53.7 | 0.52 | <0.05 | 4.96 | 0.197 | 0.33 | 1.2 |
| V764152 | | 10.1 | 98.7 | <0.002 | 0.02 | 1.61 | 17.0 | 1 | 6.5 | 47.6 | 1.76 | <0.05 | 9.75 | 0.780 | 0.59 | 2.9 |
| V764153 | | 2.4 | 11.2 | <0.002 | 0.01 | 0.43 | 1.6 | 1 | 1.5 | 12.5 | 0.08 | <0.05 | 1.27 | 0.046 | 0.09 | 0.6 |
| V764154 | | 9.6 | 44.9 | <0.002 | 1.15 | 3.48 | 17.0 | 2 | 2.1 | 76.3 | 3.00 | 0.19 | 8.49 | 0.983 | 0.37 | 0.6 |
| V764155 | | 6.6 | 64.0 | <0.002 | 0.34 | 2.56 | 7.1 | 1 | 5.7 | 106.0 | 1.21 | <0.05 | 7.16 | 0.348 | 0.37 | 4.0 |
| V764156 | | 5.9 | 11.9 | <0.002 | 0.17 | 0.82 | 4.5 | <1 | 5.1 | 65.1 | 0.52 | 0.09 | 4.08 | 0.231 | 0.09 | 2.3 |

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

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**Finalized Date: 5-SEP-2020**
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# CERTIFICATE OF ANALYSIS WH20165298

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| S051420 | | 36 | 0.3 | 7.5 | 78 | 18.0 |
| S051421 | | 82 | 0.3 | 7.4 | 44 | 21.8 |
| S051422 | | 89 | 0.3 | 8.5 | 54 | 22.6 |
| S051423 | | 12 | 0.1 | 5.0 | 17 | 5.2 |
| S051424 | | 126 | 0.6 | 9.2 | 33 | 38.4 |
| S051425 | | 25 | 0.9 | 4.8 | 66 | 12.9 |
| S051426 | | 9 | 0.4 | 5.9 | 29 | 16.2 |
| S051427 | | 8 | 0.4 | 1.6 | 5 | 7.9 |
| S051428 | | 65 | 2.5 | 6.6 | 8 | 45.3 |
| S051429 | | 37 | 1.4 | 4.6 | 15 | 31.6 |
| S051430 | | 10 | 0.4 | 2.6 | 18 | 12.7 |
| S051431 | | 18 | 0.5 | 4.8 | 39 | 18.7 |
| S051432 | | 132 | 1.6 | 15.4 | 127 | 87.0 |
| S051433 | | 57 | 1.1 | 5.4 | 38 | 27.6 |
| S051434 | | 162 | 2.3 | 14.5 | 75 | 115.0 |
| S051435 | | 154 | 2.4 | 12.6 | 60 | 94.1 |
| S051436 | | 69 | 1.1 | 7.2 | 32 | 49.0 |
| S051437 | | 185 | 2.7 | 14.4 | 81 | 160.0 |
| S051438 | | 35 | 0.5 | 5.0 | 44 | 35.0 |
| S051439 | | 33 | 0.5 | 4.9 | 51 | 23.3 |
| S051440 | | 106 | 1.2 | 9.8 | 73 | 74.9 |
| S051441 | | 233 | 1.2 | 11.0 | 29 | 167.0 |
| S051442 | | 3 | <0.1 | 6.0 | 22 | 0.9 |
| S051443 | | 28 | 0.5 | 6.5 | 45 | 20.1 |
| S051444 | | 24 | 0.4 | 7.3 | 46 | 29.0 |
| S051445 | | 14 | 0.3 | 6.9 | 32 | 18.7 |
| V764151 | | 49 | 1.1 | 8.1 | 31 | 38.1 |
| V764152 | | 171 | 3.4 | 11.4 | 88 | 105.0 |
| V764153 | | 15 | 0.3 | 3.1 | 11 | 8.4 |
| V764154 | | 149 | 1.6 | 9.0 | 165 | 38.1 |
| V764155 | | 76 | 3.6 | 7.2 | 42 | 70.2 |
| V764156 | | 69 | 1.6 | 3.5 | 8 | 49.3 |

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

Project: Rau


**Finalized Date: 5-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20165298

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| BAG-01 | CRU-32 | CRU-QC | LOG-21 |
| PUL-32 | PUL-QC | SPL-21 | WEI-21 |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 13-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20168522

Project: Rau

P.O. No.: R20-R06

This report is for 57 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| BAG-01 | Bulk Master for Storage |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |

## ANALYTICAL PROCEDURES

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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# CERTIFICATE OF ANALYSIS WH20168522

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| S051446 | | 0.81 | 0.005 | 0.05 | 6.90 | 5.8 | 2120 | 1.77 | 0.29 | 0.77 | 0.15 | 126.0 | 14.6 | 50 | 5.42 | 35.5 |
| S051447 | | 0.72 | <0.005 | 0.02 | 6.88 | 3.2 | 2500 | 1.87 | 0.13 | 0.61 | 0.32 | 90.0 | 8.8 | 57 | 6.30 | 17.8 |
| S051448 | | 2.18 | 0.005 | 0.10 | 1.29 | 11.5 | 420 | 0.49 | 0.16 | 0.78 | 0.48 | 17.30 | 16.2 | 44 | 0.91 | 52.8 |
| S051449 | | 1.81 | <0.005 | 0.04 | 5.86 | 3.0 | 2340 | 1.77 | 0.46 | 0.18 | 0.07 | 72.5 | 9.3 | 54 | 5.31 | 37.9 |
| S051450 | | 1.17 | <0.005 | 0.08 | 1.31 | 10.9 | 430 | 0.41 | 0.15 | 0.24 | 0.23 | 15.95 | 14.0 | 31 | 0.88 | 49.2 |
| S051451 | | 1.80 | <0.005 | 0.09 | 5.58 | 12.5 | 1580 | 1.55 | 0.31 | 0.91 | 0.30 | 89.7 | 19.0 | 62 | 2.64 | 60.4 |
| S051452 | | 0.92 | 0.005 | 0.06 | 6.97 | 61.1 | 2610 | 1.92 | 0.46 | 0.25 | 0.03 | 81.3 | 4.4 | 60 | 5.98 | 9.3 |
| W231758 | | 1.33 | 0.060 | 0.09 | 3.27 | 54.2 | 1250 | 1.04 | 0.09 | 0.99 | 0.29 | 48.6 | 10.3 | 39 | 2.58 | 17.9 |
| W231759 | | 1.90 | 0.030 | 0.07 | 3.83 | 28.4 | 1240 | 1.21 | 0.16 | 0.70 | 0.24 | 70.2 | 11.0 | 46 | 3.58 | 15.5 |
| W231760 | | 2.05 | <0.005 | 0.08 | 2.51 | 8.6 | 860 | 0.78 | 0.12 | 0.87 | 0.48 | 42.6 | 10.0 | 40 | 1.68 | 29.2 |
| W231761 | | 1.74 | 0.106 | 0.07 | 0.64 | 85.2 | 230 | 0.31 | 0.21 | 0.11 | 0.19 | 5.48 | 14.6 | 47 | 0.61 | 29.8 |
| W231762 | | 2.20 | 0.005 | 0.07 | 6.75 | 4.4 | 2620 | 2.23 | 0.14 | 0.42 | 0.14 | 103.5 | 7.5 | 64 | 6.25 | 21.2 |
| W231763 | | 2.01 | <0.005 | 0.08 | 5.83 | 6.8 | 2080 | 1.76 | 0.15 | 0.70 | 0.18 | 86.4 | 6.3 | 62 | 5.96 | 16.3 |
| W231764 | | 1.88 | <0.005 | 0.04 | 1.60 | 6.7 | 520 | 0.45 | 0.04 | 0.15 | 0.17 | 17.85 | 2.4 | 42 | 0.96 | 5.5 |
| W231765 | | 2.50 | 0.040 | 0.13 | 4.73 | 55.8 | 1480 | 1.37 | 0.37 | 0.66 | 0.27 | 65.5 | 13.5 | 59 | 3.01 | 52.8 |
| W231766 | | 1.96 | <0.005 | 0.04 | 1.01 | 5.8 | 240 | 0.31 | 0.04 | 0.38 | 0.16 | 7.94 | 3.8 | 43 | 0.65 | 9.8 |
| W231767 | | 1.82 | <0.005 | 0.04 | 3.96 | 9.4 | 1180 | 1.07 | 0.11 | 0.81 | 0.18 | 64.3 | 7.4 | 48 | 2.95 | 18.0 |
| W231768 | | 1.65 | 0.008 | 0.03 | 0.73 | 6.0 | 110 | 0.25 | 0.04 | 0.08 | 0.09 | 5.17 | 5.3 | 42 | 0.32 | 12.7 |
| W231769 | | 1.98 | <0.005 | 0.05 | 0.81 | 30.9 | 150 | 0.30 | 0.09 | 0.10 | 0.14 | 10.25 | 10.0 | 46 | 0.44 | 31.8 |
| W231770 | | 1.40 | <0.005 | 0.03 | 3.72 | 11.5 | 1280 | 1.17 | 0.10 | 0.88 | 0.28 | 52.2 | 10.2 | 49 | 3.06 | 17.3 |
| W231771 | | 0.92 | <0.005 | 0.02 | 4.03 | 26.3 | 1360 | 1.24 | 0.14 | 0.46 | 0.23 | 61.7 | 11.5 | 52 | 3.17 | 17.8 |
| V764157 | | 2.33 | <0.005 | 0.02 | 1.76 | 5.9 | 460 | 0.57 | 0.10 | 0.15 | 0.14 | 14.15 | 8.2 | 47 | 1.13 | 24.5 |
| V764158 | | 1.20 | <0.005 | 0.02 | 2.35 | 11.8 | 810 | 0.85 | 0.36 | 0.15 | 0.07 | 23.8 | 9.0 | 53 | 1.63 | 25.9 |
| V764159 | | 1.59 | 0.005 | 0.03 | 3.14 | 19.7 | 1090 | 1.01 | 0.14 | 0.50 | 0.33 | 33.5 | 9.8 | 47 | 2.41 | 10.6 |
| V764160 | | 2.61 | <0.005 | 0.04 | 2.47 | 6.9 | 830 | 0.68 | 0.11 | 1.56 | 0.24 | 43.2 | 5.8 | 43 | 1.23 | 11.7 |
| V764161 | | 1.58 | <0.005 | 0.03 | 7.10 | 9.4 | 2510 | 2.22 | 0.85 | 0.26 | 0.17 | 116.0 | 26.5 | 57 | 5.12 | 81.9 |
| V764162 | | 1.69 | 0.005 | 0.07 | 6.76 | 7.4 | 2270 | 2.22 | 0.64 | 0.28 | 0.08 | 121.5 | 17.1 | 60 | 4.98 | 49.1 |
| V764101 | | 1.79 | 0.005 | 0.04 | 1.49 | 257 | 300 | 0.55 | 0.10 | 0.07 | 0.29 | 37.9 | 11.0 | 53 | 0.62 | 32.2 |
| V764102 | | 1.60 | <0.005 | 0.01 | 0.02 | 95.1 | 20 | <0.05 | 0.32 | 0.04 | 0.08 | 0.30 | 1.6 | 52 | 0.26 | 7.8 |
| V764103 | | 1.53 | 0.026 | 0.06 | 3.50 | 149.5 | 1110 | 1.24 | 1.21 | 0.16 | 0.08 | 44.1 | 20.1 | 58 | 3.15 | 15.4 |
| V764104 | | 2.12 | 0.025 | 0.03 | 0.30 | 292 | 90 | 0.17 | 0.25 | 1.07 | 0.06 | 19.25 | 3.1 | 49 | 0.44 | 3.6 |
| V764105 | | 2.16 | 0.073 | 0.03 | 0.22 | 296 | 60 | 0.15 | 0.29 | 1.43 | 0.05 | 35.1 | 3.6 | 46 | 0.37 | 3.3 |
| S051501 | | 2.01 | <0.005 | <0.01 | 5.35 | 62.2 | 1780 | 2.23 | 0.14 | 0.35 | 0.05 | 83.0 | 10.6 | 54 | 5.78 | 6.6 |
| S051502 | | 1.72 | <0.005 | 0.04 | 2.28 | 188.0 | 660 | 1.10 | 0.28 | 2.00 | 0.11 | 52.4 | 20.7 | 43 | 1.87 | 20.5 |
| S051503 | | 1.62 | 0.048 | 0.05 | 3.39 | 263 | 1050 | 1.30 | 0.77 | 2.74 | 0.13 | 52.1 | 21.5 | 40 | 1.77 | 17.7 |
| S051504 | | 1.88 | 0.022 | 0.04 | 3.50 | 196.5 | 1080 | 1.36 | 0.52 | 3.03 | 0.10 | 56.0 | 15.3 | 53 | 1.85 | 11.4 |
| S051505 | | 1.80 | 0.700 | 5.70 | 1.83 | 312 | 460 | 0.61 | 140.0 | 8.98 | 0.07 | 19.15 | 2.4 | 34 | 0.97 | 2.0 |
| S051506 | | 2.13 | 0.110 | 0.08 | 4.74 | 621 | 1530 | 1.85 | 11.05 | 8.21 | 0.15 | 66.5 | 13.0 | 72 | 2.70 | 12.6 |
| S051507 | | 2.78 | 0.008 | 0.11 | 1.33 | 481 | 420 | 0.51 | 7.99 | 6.22 | 0.24 | 23.0 | 6.6 | 44 | 0.69 | 11.4 |
| S051508 | | 1.88 | 0.025 | 0.04 | 0.92 | 54.3 | 210 | 0.35 | 1.81 | 0.57 | 0.16 | 9.84 | 3.7 | 46 | 0.53 | 6.7 |

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

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# CERTIFICATE OF ANALYSIS WH20168522

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| S051446 | | 8.38 | 19.00 | 0.18 | 1.9 | 0.073 | 2.25 | 65.8 | 27.0 | 2.42 | 759 | 0.67 | 0.35 | 59.2 | 30.4 | 1820 |
| S051447 | | 4.49 | 18.55 | 0.17 | 3.2 | 0.066 | 2.66 | 47.5 | 16.8 | 0.92 | 874 | 0.70 | 0.87 | 39.5 | 15.5 | 1800 |
| S051448 | | 3.15 | 3.34 | 0.06 | 0.6 | 0.046 | 0.39 | 8.2 | 5.5 | 0.43 | 560 | 0.95 | 0.16 | 6.9 | 36.2 | 550 |
| S051449 | | 4.55 | 16.65 | 0.13 | 2.8 | 0.076 | 2.54 | 38.8 | 19.9 | 1.45 | 194 | 0.69 | 0.09 | 30.3 | 10.7 | 1070 |
| S051450 | | 3.26 | 3.13 | 0.06 | 0.4 | 0.033 | 0.40 | 7.8 | 3.6 | 0.19 | 547 | 1.35 | 0.19 | 4.3 | 28.2 | 460 |
| S051451 | | 4.98 | 13.30 | 0.13 | 1.9 | 0.085 | 1.57 | 47.8 | 19.5 | 1.15 | 797 | 0.83 | 0.94 | 28.9 | 46.8 | 1410 |
| S051452 | | 4.52 | 19.80 | 0.13 | 4.0 | 0.084 | 2.88 | 43.1 | 25.2 | 1.81 | 179 | 0.57 | 0.11 | 52.8 | 8.5 | 1390 |
| W231758 | | 3.61 | 8.40 | 0.10 | 1.4 | 0.051 | 1.25 | 25.8 | 14.3 | 0.98 | 779 | 0.75 | 0.29 | 21.5 | 46.5 | 850 |
| W231759 | | 4.36 | 10.25 | 0.11 | 1.7 | 0.052 | 1.30 | 37.8 | 18.4 | 1.18 | 827 | 1.01 | 0.46 | 31.6 | 36.0 | 930 |
| W231760 | | 4.42 | 6.44 | 0.10 | 0.7 | 0.064 | 0.78 | 23.4 | 10.6 | 0.90 | 1060 | 0.75 | 0.13 | 18.4 | 18.9 | 700 |
| W231761 | | 2.54 | 1.65 | 0.05 | 0.1 | 0.019 | 0.23 | 2.8 | 2.0 | 0.10 | 276 | 0.94 | 0.03 | 1.6 | 19.9 | 260 |
| W231762 | | 4.17 | 19.45 | 0.16 | 2.4 | 0.084 | 2.93 | 55.0 | 25.6 | 1.45 | 433 | 0.82 | 0.24 | 36.0 | 21.8 | 1590 |
| W231763 | | 4.02 | 15.85 | 0.14 | 2.6 | 0.064 | 2.32 | 44.0 | 24.1 | 1.47 | 474 | 0.88 | 0.29 | 35.8 | 20.5 | 1510 |
| W231764 | | 1.61 | 3.77 | 0.06 | 0.4 | 0.020 | 0.59 | 8.6 | 4.4 | 0.20 | 403 | 0.96 | 0.08 | 6.0 | 7.6 | 540 |
| W231765 | | 4.59 | 12.30 | 0.13 | 1.1 | 0.057 | 1.61 | 35.7 | 19.0 | 1.06 | 706 | 0.74 | 0.50 | 22.1 | 30.7 | 1210 |
| W231766 | | 1.74 | 2.38 | 0.05 | 0.3 | 0.023 | 0.26 | 4.0 | 3.7 | 0.31 | 366 | 0.50 | 0.25 | 5.7 | 11.6 | 370 |
| W231767 | | 4.03 | 11.30 | 0.10 | 1.3 | 0.052 | 1.40 | 33.8 | 13.9 | 1.22 | 458 | 0.70 | 0.28 | 28.0 | 14.4 | 1000 |
| W231768 | | 1.52 | 1.21 | 0.09 | 0.2 | 0.008 | 0.10 | 2.4 | 3.2 | 0.12 | 246 | 0.63 | 0.25 | 2.3 | 10.9 | 260 |
| W231769 | | 2.43 | 1.65 | 0.09 | 0.2 | 0.016 | 0.15 | 5.0 | 3.7 | 0.14 | 347 | 0.78 | 0.20 | 3.9 | 16.2 | 350 |
| W231770 | | 3.67 | 10.20 | 0.15 | 1.4 | 0.042 | 1.28 | 26.8 | 14.7 | 1.04 | 615 | 0.81 | 0.34 | 24.2 | 26.1 | 1020 |
| W231771 | | 4.04 | 11.05 | 0.14 | 1.4 | 0.041 | 1.39 | 32.6 | 16.3 | 1.05 | 560 | 0.95 | 0.32 | 26.9 | 31.4 | 1080 |
| V764157 | | 2.27 | 4.04 | 0.10 | 0.5 | 0.015 | 0.55 | 6.8 | 7.2 | 0.40 | 292 | 0.78 | 0.02 | 8.3 | 18.2 | 580 |
| V764158 | | 2.03 | 6.11 | 0.11 | 1.2 | 0.025 | 1.01 | 11.9 | 4.8 | 0.16 | 311 | 3.12 | 0.04 | 9.7 | 17.0 | 850 |
| V764159 | | 2.75 | 8.06 | 0.12 | 1.2 | 0.041 | 1.14 | 17.2 | 13.7 | 0.71 | 597 | 0.81 | 0.21 | 15.3 | 25.0 | 780 |
| V764160 | | 2.57 | 6.24 | 0.14 | 0.6 | 0.033 | 0.90 | 23.1 | 5.3 | 0.50 | 862 | 0.59 | 0.28 | 12.1 | 15.4 | 710 |
| V764161 | | 6.14 | 20.3 | 0.21 | 2.4 | 0.074 | 2.77 | 59.9 | 24.1 | 1.21 | 751 | 0.46 | 0.23 | 50.3 | 29.7 | 1590 |
| V764162 | | 6.84 | 19.35 | 0.22 | 1.7 | 0.076 | 2.34 | 62.9 | 29.3 | 2.06 | 483 | 0.28 | 0.17 | 54.3 | 24.8 | 1850 |
| V764101 | | 2.87 | 4.23 | 0.11 | 0.4 | 0.019 | 0.43 | 19.9 | 1.4 | 0.20 | 675 | 0.98 | 0.05 | 4.4 | 12.3 | 480 |
| V764102 | | 0.78 | 0.13 | 0.08 | <0.1 | <0.005 | 0.01 | <0.5 | 0.9 | 0.02 | 123 | 0.59 | 0.01 | 0.1 | 3.3 | 40 |
| V764103 | | 4.45 | 9.47 | 0.13 | 1.2 | 0.045 | 1.49 | 23.0 | 10.6 | 0.71 | 823 | 1.03 | 0.02 | 15.3 | 38.4 | 950 |
| V764104 | | 1.78 | 1.07 | 0.09 | 0.1 | 0.013 | 0.13 | 10.3 | 0.9 | 0.40 | 735 | 0.73 | 0.01 | 1.1 | 9.6 | 110 |
| V764105 | | 1.79 | 0.93 | 0.11 | 0.1 | 0.008 | 0.09 | 18.9 | 0.8 | 0.62 | 778 | 0.89 | 0.01 | 0.6 | 11.6 | 120 |
| S051501 | | 4.57 | 14.45 | 0.17 | 1.6 | 0.047 | 2.81 | 43.1 | 16.5 | 1.19 | 964 | 0.82 | 0.05 | 23.4 | 19.5 | 860 |
| S051502 | | 4.01 | 6.32 | 0.15 | 0.7 | 0.024 | 1.03 | 27.9 | 7.2 | 0.55 | 1340 | 1.00 | 0.03 | 11.3 | 28.4 | 500 |
| S051503 | | 3.72 | 9.30 | 0.12 | 1.3 | 0.034 | 1.65 | 27.7 | 6.0 | 0.42 | 1620 | 1.92 | 0.04 | 15.8 | 31.9 | 1080 |
| S051504 | | 3.18 | 9.88 | 0.13 | 1.3 | 0.031 | 1.69 | 29.9 | 6.3 | 0.48 | 1640 | 1.72 | 0.04 | 16.1 | 26.3 | 1140 |
| S051505 | | 1.91 | 5.35 | 0.10 | 0.9 | 0.046 | 0.85 | 10.8 | 2.4 | 0.27 | 78 | 2.63 | 0.03 | 9.3 | 3.9 | 180 |
| S051506 | | 4.02 | 13.10 | 0.16 | 2.3 | 0.038 | 2.35 | 35.3 | 8.1 | 1.06 | 1040 | 2.65 | 0.04 | 23.3 | 32.9 | 1530 |
| S051507 | | 3.75 | 3.35 | 0.09 | 0.5 | 0.027 | 0.62 | 12.8 | 2.2 | 1.28 | 1640 | 2.03 | 0.02 | 4.7 | 19.4 | 450 |
| S051508 | | 1.57 | 2.41 | 0.06 | 0.3 | 0.010 | 0.42 | 5.1 | 3.3 | 0.10 | 598 | 1.14 | 0.02 | 2.1 | 11.6 | 240 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| S051446 | | 4.6 | 99.5 | <0.002 | 0.15 | 1.39 | 13.8 | 1 | 3.7 | 70.5 | 2.98 | <0.05 | 11.10 | 0.810 | 0.55 | 1.5 |
| S051447 | | 3.1 | 121.0 | <0.002 | 0.02 | 1.11 | 15.2 | 1 | 2.3 | 71.5 | 1.98 | <0.05 | 9.92 | 0.649 | 0.58 | 2.7 |
| S051448 | | 8.8 | 16.3 | <0.002 | 0.05 | 0.63 | 3.5 | 1 | 0.8 | 33.8 | 0.35 | <0.05 | 1.44 | 0.121 | 0.11 | 0.8 |
| S051449 | | 2.3 | 111.0 | <0.002 | 0.14 | 0.79 | 12.2 | 1 | 4.1 | 26.3 | 1.54 | 0.05 | 8.95 | 0.524 | 0.67 | 2.5 |
| S051450 | | 7.1 | 15.9 | <0.002 | 0.04 | 0.52 | 2.4 | 1 | 1.1 | 26.0 | 0.21 | <0.05 | 1.60 | 0.072 | 0.13 | 0.8 |
| S051451 | | 7.2 | 61.1 | <0.002 | 0.20 | 0.69 | 9.0 | 1 | 5.0 | 125.0 | 1.61 | <0.05 | 9.69 | 0.435 | 0.34 | 1.9 |
| S051452 | | 3.7 | 130.0 | <0.002 | 0.05 | 1.96 | 13.7 | 1 | 6.0 | 35.1 | 2.67 | <0.05 | 11.75 | 0.738 | 0.83 | 2.8 |
| W231758 | | 7.6 | 54.6 | <0.002 | 0.02 | 1.52 | 6.3 | <1 | 4.0 | 55.5 | 1.18 | <0.05 | 5.21 | 0.300 | 0.36 | 1.3 |
| W231759 | | 7.0 | 64.0 | <0.002 | 0.02 | 1.04 | 7.2 | <1 | 3.9 | 72.4 | 1.76 | <0.05 | 7.60 | 0.375 | 0.47 | 1.5 |
| W231760 | | 8.7 | 32.4 | <0.002 | 0.03 | 0.75 | 4.9 | <1 | 2.1 | 38.5 | 0.88 | <0.05 | 3.36 | 0.258 | 0.19 | 0.8 |
| W231761 | | 8.4 | 8.6 | <0.002 | 0.06 | 0.68 | 1.4 | 1 | 0.8 | 10.6 | 0.06 | <0.05 | 0.47 | 0.024 | 0.07 | 0.4 |
| W231762 | | 6.5 | 127.0 | <0.002 | 0.05 | 0.93 | 13.1 | 1 | 8.8 | 50.5 | 1.89 | <0.05 | 10.45 | 0.605 | 0.75 | 2.3 |
| W231763 | | 6.0 | 105.5 | <0.002 | 0.03 | 0.77 | 11.8 | <1 | 7.6 | 59.4 | 1.85 | <0.05 | 9.02 | 0.627 | 0.65 | 2.1 |
| W231764 | | 4.9 | 23.0 | <0.002 | 0.01 | 0.39 | 2.8 | <1 | 2.1 | 17.2 | 0.27 | <0.05 | 1.62 | 0.092 | 0.13 | 0.5 |
| W231765 | | 9.7 | 63.3 | <0.002 | 0.07 | 0.81 | 9.0 | 1 | 7.1 | 67.2 | 1.10 | <0.05 | 6.23 | 0.367 | 0.41 | 1.2 |
| W231766 | | 5.0 | 11.1 | <0.002 | 0.03 | 0.76 | 2.0 | <1 | 0.6 | 28.3 | 0.25 | <0.05 | 0.90 | 0.095 | 0.09 | 0.4 |
| W231767 | | 4.0 | 61.4 | <0.002 | 0.02 | 1.44 | 8.1 | <1 | 2.9 | 44.0 | 1.32 | <0.05 | 5.73 | 0.462 | 0.41 | 1.2 |
| W231768 | | 4.8 | 4.5 | <0.002 | 0.06 | 1.00 | 0.9 | 1 | 0.3 | 13.7 | 0.09 | <0.05 | 0.47 | 0.035 | 0.04 | 0.2 |
| W231769 | | 7.0 | 6.8 | <0.002 | 0.07 | 0.89 | 1.5 | 1 | 0.4 | 16.9 | 0.16 | <0.05 | 0.69 | 0.064 | 0.05 | 0.4 |
| W231770 | | 8.9 | 57.3 | <0.002 | 0.02 | 1.30 | 7.5 | <1 | 1.5 | 54.5 | 1.24 | <0.05 | 5.48 | 0.400 | 0.30 | 1.5 |
| W231771 | | 6.9 | 62.2 | <0.002 | 0.01 | 1.60 | 7.5 | 1 | 1.7 | 48.2 | 1.37 | <0.05 | 6.05 | 0.437 | 0.29 | 1.5 |
| V764157 | | 3.6 | 25.1 | <0.002 | 0.05 | 0.58 | 2.6 | 1 | 0.6 | 12.0 | 0.40 | <0.05 | 2.34 | 0.145 | 0.20 | 0.8 |
| V764158 | | 3.3 | 43.4 | <0.002 | 0.01 | 0.56 | 4.2 | 1 | 1.4 | 15.4 | 0.51 | <0.05 | 3.30 | 0.161 | 0.27 | 1.5 |
| V764159 | | 5.9 | 53.3 | <0.002 | 0.01 | 0.88 | 5.6 | 1 | 2.3 | 33.9 | 0.75 | <0.05 | 4.11 | 0.248 | 0.28 | 0.8 |
| V764160 | | 4.9 | 34.4 | <0.002 | 0.01 | 0.44 | 4.9 | 1 | 1.8 | 50.2 | 0.57 | <0.05 | 3.51 | 0.198 | 0.17 | 0.6 |
| V764161 | | 3.5 | 119.5 | <0.002 | 0.08 | 1.02 | 13.4 | 1 | 4.6 | 48.2 | 2.51 | 0.07 | 12.30 | 0.773 | 0.65 | 2.0 |
| V764162 | | 4.1 | 109.5 | <0.002 | 0.11 | 1.30 | 13.0 | 1 | 4.6 | 42.5 | 2.61 | 0.05 | 11.05 | 0.914 | 0.59 | 1.3 |
| V764101 | | 3.9 | 19.4 | <0.002 | 0.01 | 0.28 | 2.8 | 1 | 3.0 | 19.4 | 0.21 | <0.05 | 3.68 | 0.104 | 0.11 | 1.3 |
| V764102 | | 2.3 | 0.5 | <0.002 | <0.01 | 0.36 | 0.2 | 1 | <0.2 | 1.9 | <0.05 | <0.05 | 0.06 | <0.005 | <0.02 | 0.1 |
| V764103 | | 4.3 | 66.6 | <0.002 | 0.01 | 0.71 | 6.8 | 1 | 4.7 | 15.5 | 0.81 | 0.16 | 4.66 | 0.306 | 0.39 | 1.6 |
| V764104 | | 2.2 | 5.8 | <0.002 | 0.13 | 0.31 | 1.8 | 1 | 1.2 | 8.1 | <0.05 | <0.05 | 1.06 | 0.023 | 0.04 | 0.2 |
| V764105 | | 2.3 | 4.1 | <0.002 | 0.02 | 0.35 | 2.0 | 1 | 0.9 | 10.9 | <0.05 | <0.05 | 1.50 | 0.013 | 0.04 | 0.2 |
| S051501 | | 4.3 | 116.5 | <0.002 | <0.01 | 0.81 | 11.3 | 1 | 7.8 | 21.4 | 1.31 | <0.05 | 8.87 | 0.457 | 0.64 | 1.5 |
| S051502 | | 4.8 | 44.3 | <0.002 | 0.02 | 0.78 | 4.4 | 1 | 3.1 | 19.7 | 0.56 | <0.05 | 3.67 | 0.207 | 0.24 | 1.0 |
| S051503 | | 5.3 | 66.9 | <0.002 | 0.02 | 0.75 | 6.3 | 1 | 8.0 | 26.4 | 0.79 | <0.05 | 6.27 | 0.251 | 0.30 | 1.7 |
| S051504 | | 5.1 | 69.9 | <0.002 | 0.01 | 0.65 | 6.6 | 1 | 7.6 | 28.6 | 0.80 | <0.05 | 6.30 | 0.239 | 0.31 | 1.6 |
| S051505 | | 31.2 | 34.2 | <0.002 | 0.06 | 8.02 | 3.2 | 2 | 7.0 | 36.4 | 0.45 | 0.17 | 1.72 | 0.151 | 1.51 | 1.1 |
| S051506 | | 4.5 | 97.2 | <0.002 | 0.05 | 0.98 | 9.8 | 1 | 8.8 | 55.0 | 1.19 | <0.05 | 7.66 | 0.418 | 0.50 | 2.8 |
| S051507 | | 19.0 | 25.8 | <0.002 | 0.03 | 1.05 | 3.3 | 1 | 1.8 | 69.6 | 0.23 | <0.05 | 2.11 | 0.074 | 0.15 | 1.0 |
| S051508 | | 6.4 | 18.0 | <0.002 | 0.01 | 0.81 | 2.0 | 1 | 1.6 | 7.7 | 0.10 | 0.08 | 1.44 | 0.049 | 0.09 | 0.3 |

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

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**Finalized Date: 13-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168522

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| S051446 | | 113 | 2.2 | 14.1 | 85 | 80.1 |
| S051447 | | 137 | 1.4 | 15.0 | 40 | 118.5 |
| S051448 | | 24 | 0.4 | 8.2 | 72 | 22.5 |
| S051449 | | 95 | 1.1 | 12.9 | 33 | 113.0 |
| S051450 | | 20 | 0.3 | 5.5 | 39 | 14.4 |
| S051451 | | 85 | 1.1 | 16.1 | 48 | 74.6 |
| S051452 | | 130 | 1.5 | 12.8 | 33 | 143.0 |
| W231758 | | 58 | 0.9 | 12.1 | 46 | 51.6 |
| W231759 | | 66 | 1.0 | 13.6 | 49 | 77.8 |
| W231760 | | 42 | 0.8 | 12.1 | 66 | 24.5 |
| W231761 | | 9 | 0.1 | 3.8 | 38 | 4.7 |
| W231762 | | 112 | 1.5 | 15.5 | 42 | 90.6 |
| W231763 | | 103 | 1.5 | 12.8 | 42 | 111.5 |
| W231764 | | 22 | 0.5 | 4.2 | 30 | 15.1 |
| W231765 | | 78 | 1.6 | 11.3 | 52 | 44.5 |
| W231766 | | 17 | 0.3 | 3.9 | 23 | 13.9 |
| W231767 | | 75 | 0.9 | 7.9 | 35 | 50.3 |
| W231768 | | 7 | 0.2 | 2.3 | 18 | 8.2 |
| W231769 | | 11 | 0.3 | 4.0 | 30 | 10.9 |
| W231770 | | 95 | 0.9 | 9.2 | 57 | 82.5 |
| W231771 | | 83 | 1.0 | 8.9 | 55 | 68.9 |
| V764157 | | 27 | 0.4 | 4.6 | 23 | 24.3 |
| V764158 | | 72 | 0.5 | 4.6 | 12 | 46.6 |
| V764159 | | 53 | 1.0 | 7.7 | 45 | 46.8 |
| V764160 | | 38 | 0.7 | 8.0 | 31 | 22.2 |
| V764161 | | 118 | 1.7 | 14.3 | 37 | 131.5 |
| V764162 | | 115 | 2.2 | 11.8 | 59 | 74.9 |
| V764101 | | 32 | 1.2 | 4.4 | 64 | 19.2 |
| V764102 | | 1 | <0.1 | 0.4 | 7 | <0.5 |
| V764103 | | 80 | 2.5 | 7.8 | 36 | 54.4 |
| V764104 | | 8 | 0.4 | 4.6 | 8 | 3.7 |
| V764105 | | 7 | 0.3 | 3.9 | 8 | 2.9 |
| S051501 | | 105 | 2.9 | 10.6 | 46 | 76.6 |
| S051502 | | 43 | 2.7 | 8.5 | 26 | 41.9 |
| S051503 | | 59 | 3.0 | 10.2 | 22 | 62.7 |
| S051504 | | 59 | 3.0 | 10.4 | 16 | 65.5 |
| S051505 | | 39 | 2.3 | 2.5 | 26 | 43.3 |
| S051506 | | 109 | 4.5 | 13.7 | 17 | 109.5 |
| S051507 | | 22 | 0.8 | 9.2 | 28 | 22.5 |
| S051508 | | 16 | 0.8 | 3.4 | 33 | 10.2 |

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**Finalized Date: 13-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168522

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| S051509 | | 1.52 | 0.018 | 0.03 | 4.74 | 183.5 | 1300 | 1.74 | 0.70 | 3.43 | 0.16 | 63.9 | 13.9 | 50 | 2.47 | 13.2 |
| S051510 | | 1.97 | 0.012 | 0.04 | 4.42 | 193.5 | 1200 | 1.57 | 1.15 | 2.50 | 0.11 | 91.2 | 15.4 | 39 | 2.21 | 13.2 |
| S051511 | | 1.73 | 0.010 | 0.04 | 3.73 | 51.5 | 1200 | 1.42 | 0.28 | 1.44 | 0.21 | 49.3 | 8.5 | 45 | 3.26 | 14.8 |
| S051512 | | 0.83 | 0.006 | 0.05 | 8.51 | 83.7 | 2310 | 3.15 | 1.58 | 0.55 | 0.08 | 111.5 | 21.7 | 117 | 3.32 | 10.3 |
| S051513 | | 1.57 | 0.062 | 0.16 | 4.65 | 693 | 1320 | 1.66 | 2.05 | 0.10 | 0.19 | 71.5 | 10.4 | 49 | 2.36 | 25.0 |
| S051514 | | 1.32 | 0.016 | 0.04 | 7.73 | 217 | 2420 | 2.85 | 3.80 | 0.21 | 0.09 | 125.5 | 17.2 | 75 | 6.58 | 80.4 |
| S051515 | | 1.91 | 0.008 | 0.01 | 5.17 | 84.0 | 1650 | 1.79 | 0.68 | 0.25 | 0.13 | 62.8 | 18.0 | 51 | 3.60 | 23.0 |
| S051516 | | 2.03 | 0.319 | 0.05 | 3.46 | 353 | 1040 | 1.30 | 1.86 | 0.11 | 0.05 | 45.8 | 42.3 | 56 | 2.78 | 52.3 |
| S051517 | | 1.98 | 0.029 | 0.02 | 0.47 | 360 | 180 | 0.24 | 1.97 | 0.58 | 0.10 | 10.45 | 6.8 | 45 | 0.58 | 26.1 |
| S051518 | | 2.30 | 0.007 | 0.02 | 0.06 | 102.0 | 30 | 0.05 | 3.51 | 0.09 | 0.08 | 1.51 | 1.8 | 47 | 0.33 | 5.4 |
| W231751 | | 1.39 | 0.085 | 0.03 | 2.13 | 30.9 | 750 | 0.72 | 0.12 | 0.14 | 0.22 | 26.3 | 13.4 | 41 | 1.61 | 14.9 |
| W231752 | | 2.24 | 0.005 | 0.04 | 1.51 | 6.2 | 460 | 0.46 | 0.06 | 0.61 | 0.25 | 12.90 | 2.1 | 47 | 1.02 | 5.1 |
| W231753 | | 2.29 | 0.005 | <0.01 | 7.02 | 19.5 | 2390 | 1.95 | 0.17 | 0.41 | 0.14 | 104.0 | 8.9 | 68 | 4.19 | 15.0 |
| W231754 | | 1.45 | 0.028 | 0.04 | 6.91 | 125.5 | 2470 | 2.11 | 0.22 | 0.40 | 0.15 | 114.5 | 41.4 | 76 | 6.99 | 34.0 |
| W231755 | | 1.69 | 0.028 | 0.03 | 0.86 | 30.5 | 280 | 0.37 | 0.16 | 0.18 | 0.24 | 24.5 | 18.9 | 26 | 0.73 | 30.5 |
| W231756 | | 1.79 | 0.016 | 0.04 | 1.31 | 16.2 | 490 | 0.53 | 0.10 | 1.31 | 0.29 | 32.4 | 16.3 | 31 | 0.98 | 31.5 |
| W231757 | | 2.13 | 0.014 | 0.04 | 2.76 | 34.5 | 890 | 0.91 | 0.16 | 0.31 | 0.23 | 37.0 | 11.9 | 44 | 2.19 | 19.8 |

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**Finalized Date: 13-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168522

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| S051509 | | 3.46 | 13.40 | 0.15 | 2.0 | 0.046 | 2.28 | 34.1 | 3.7 | 0.50 | 1540 | 1.28 | 0.04 | 15.8 | 29.7 | 970 |
| S051510 | | 3.05 | 12.45 | 0.19 | 1.4 | 0.040 | 2.19 | 53.6 | 4.0 | 0.30 | 1140 | 1.21 | 0.04 | 12.4 | 31.3 | 790 |
| S051511 | | 3.93 | 10.95 | 0.14 | 0.8 | 0.039 | 1.77 | 25.7 | 8.0 | 0.76 | 832 | 0.78 | 0.04 | 19.1 | 23.8 | 720 |
| S051512 | | 7.09 | 25.2 | 0.24 | 2.6 | 0.090 | 3.51 | 56.5 | 8.8 | 0.32 | 953 | 1.64 | 0.09 | 42.9 | 57.1 | 2040 |
| S051513 | | 3.19 | 14.15 | 0.17 | 2.5 | 0.035 | 1.92 | 37.5 | 4.3 | 0.40 | 167 | 1.58 | 0.08 | 19.9 | 18.3 | 1080 |
| S051514 | | 5.61 | 22.3 | 0.24 | 5.1 | 0.086 | 3.58 | 65.4 | 14.5 | 1.06 | 398 | 2.01 | 0.09 | 53.8 | 45.4 | 1340 |
| S051515 | | 4.30 | 14.35 | 0.15 | 1.8 | 0.083 | 2.17 | 33.0 | 13.2 | 0.91 | 778 | 0.89 | 0.04 | 27.1 | 28.7 | 1350 |
| S051516 | | 4.45 | 10.00 | 0.13 | 1.5 | 0.052 | 1.53 | 24.3 | 8.7 | 0.54 | 540 | 1.68 | 0.03 | 7.0 | 66.4 | 870 |
| S051517 | | 2.75 | 1.46 | 0.08 | 0.2 | 0.006 | 0.23 | 5.8 | 2.2 | 0.18 | 966 | 1.07 | 0.01 | 3.2 | 14.4 | 170 |
| S051518 | | 0.84 | 0.24 | 0.07 | <0.1 | <0.005 | 0.03 | 0.8 | 1.3 | 0.03 | 220 | 0.46 | 0.01 | 0.4 | 4.6 | 30 |
| W231751 | | 2.30 | 5.72 | 0.10 | 0.8 | 0.029 | 0.79 | 13.5 | 7.9 | 0.39 | 474 | 0.69 | 0.10 | 12.3 | 21.5 | 550 |
| W231752 | | 1.61 | 3.28 | <0.05 | 0.3 | 0.017 | 0.48 | 6.0 | 5.1 | 0.31 | 416 | 0.78 | 0.19 | 4.7 | 8.3 | 400 |
| W231753 | | 4.39 | 18.50 | 0.14 | 2.5 | 0.093 | 2.54 | 54.7 | 27.4 | 1.65 | 427 | 0.53 | 0.29 | 44.2 | 21.0 | 1870 |
| W231754 | | 4.48 | 16.85 | 0.15 | 2.7 | 0.079 | 2.80 | 60.7 | 23.9 | 1.32 | 344 | 1.56 | 0.19 | 41.7 | 63.3 | 1900 |
| W231755 | | 2.85 | 2.05 | 0.05 | 0.3 | 0.027 | 0.25 | 12.2 | 3.5 | 0.21 | 585 | 1.07 | 0.06 | 4.2 | 42.6 | 400 |
| W231756 | | 3.30 | 3.13 | 0.07 | 0.4 | 0.037 | 0.42 | 17.1 | 5.3 | 0.59 | 793 | 1.13 | 0.07 | 6.3 | 49.6 | 490 |
| W231757 | | 3.37 | 6.57 | 0.06 | 0.8 | 0.049 | 0.86 | 19.8 | 13.9 | 0.82 | 645 | 0.61 | 0.26 | 15.0 | 30.7 | 760 |

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Project: Rau


**Finalized Date: 13-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20168522

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| S051509 | | 2.5 | 98.0 | <0.002 | 0.05 | 1.05 | 9.4 | 1 | 10.3 | 30.7 | 0.85 | <0.05 | 8.11 | 0.330 | 0.41 | 2.2 |
| S051510 | | 3.7 | 91.0 | <0.002 | 0.05 | 0.99 | 9.0 | 1 | 8.2 | 23.0 | 0.64 | 0.05 | 8.42 | 0.269 | 0.41 | 1.5 |
| S051511 | | 10.3 | 75.5 | <0.002 | 0.04 | 0.51 | 7.4 | 1 | 5.9 | 27.6 | 1.00 | <0.05 | 5.50 | 0.372 | 0.40 | 1.4 |
| S051512 | | 5.5 | 139.0 | <0.002 | 0.02 | 2.14 | 15.8 | 2 | 8.8 | 42.1 | 2.30 | <0.05 | 10.30 | 0.975 | 0.63 | 4.4 |
| S051513 | | 4.1 | 84.3 | <0.002 | 0.03 | 1.23 | 7.7 | 1 | 12.1 | 45.2 | 1.06 | 0.09 | 9.91 | 0.327 | 0.46 | 3.0 |
| S051514 | | 3.1 | 164.0 | <0.002 | 0.02 | 1.39 | 12.8 | 3 | 8.1 | 33.0 | 3.01 | 0.17 | 16.95 | 0.687 | 0.93 | 6.0 |
| S051515 | | 4.4 | 91.6 | <0.002 | 0.01 | 0.74 | 10.1 | 1 | 8.2 | 26.3 | 1.36 | <0.05 | 6.86 | 0.517 | 0.47 | 1.8 |
| S051516 | | 7.8 | 69.4 | <0.002 | 0.05 | 1.14 | 6.6 | 3 | 8.7 | 17.0 | 0.34 | 0.08 | 5.43 | 0.143 | 0.36 | 2.1 |
| S051517 | | 4.2 | 10.1 | <0.002 | 0.01 | 1.03 | 4.6 | 2 | 1.6 | 6.4 | 0.12 | <0.05 | 0.90 | 0.064 | 0.08 | 0.6 |
| S051518 | | 4.2 | 1.6 | <0.002 | <0.01 | 0.50 | 0.6 | 1 | 0.2 | 2.3 | <0.05 | <0.05 | 0.16 | 0.008 | 0.02 | 0.2 |
| W231751 | | 8.4 | 35.1 | <0.002 | 0.01 | 2.45 | 3.8 | <1 | 1.7 | 18.9 | 0.57 | <0.05 | 2.99 | 0.178 | 0.22 | 0.8 |
| W231752 | | 7.4 | 20.1 | <0.002 | 0.01 | 0.30 | 2.5 | <1 | 1.5 | 32.3 | 0.23 | <0.05 | 1.50 | 0.081 | 0.10 | 0.3 |
| W231753 | | 6.6 | 101.5 | 0.002 | 0.01 | 0.82 | 12.7 | 1 | 7.6 | 56.8 | 2.07 | <0.05 | 11.00 | 0.657 | 0.54 | 2.1 |
| W231754 | | 8.9 | 115.5 | <0.002 | 0.03 | 1.93 | 12.6 | 1 | 5.1 | 47.4 | 1.89 | 0.05 | 12.15 | 0.690 | 0.63 | 2.9 |
| W231755 | | 8.6 | 10.3 | <0.002 | 0.01 | 0.76 | 1.9 | 1 | 0.5 | 13.4 | 0.17 | 0.07 | 1.21 | 0.067 | 0.09 | 0.7 |
| W231756 | | 6.3 | 17.0 | <0.002 | 0.02 | 0.69 | 3.0 | 1 | 0.9 | 34.8 | 0.29 | <0.05 | 1.85 | 0.109 | 0.15 | 0.7 |
| W231757 | | 7.5 | 42.1 | <0.002 | 0.02 | 0.47 | 5.5 | <1 | 2.0 | 42.9 | 0.68 | <0.05 | 3.75 | 0.254 | 0.26 | 1.0 |

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**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168522

| Sample Description | Method Analyte Units LOD | 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 |
|---|---|---|---|---|---|---|
| S051509 | | 103 | 4.8 | 10.9 | 21 | 90.8 |
| S051510 | | 113 | 3.9 | 9.4 | 15 | 65.1 |
| S051511 | | 66 | 4.5 | 6.8 | 40 | 39.9 |
| S051512 | | 228 | 12.8 | 14.0 | 33 | 129.0 |
| S051513 | | 109 | 3.0 | 8.3 | 97 | 127.0 |
| S051514 | | 182 | 4.6 | 17.5 | 47 | 228 |
| S051515 | | 122 | 5.1 | 8.3 | 63 | 80.2 |
| S051516 | | 90 | 2.5 | 5.5 | 22 | 64.0 |
| S051517 | | 14 | 2.2 | 3.3 | 18 | 6.7 |
| S051518 | | 3 | 0.3 | 0.9 | 12 | 1.4 |
| W231751 | | 38 | 0.7 | 6.0 | 41 | 34.4 |
| W231752 | | 23 | 0.4 | 4.1 | 33 | 13.8 |
| W231753 | | 127 | 1.9 | 14.9 | 52 | 132.0 |
| W231754 | | 137 | 1.3 | 15.5 | 43 | 127.0 |
| W231755 | | 15 | 0.3 | 5.7 | 48 | 11.8 |
| W231756 | | 24 | 0.4 | 9.1 | 48 | 20.2 |
| W231757 | | 46 | 0.8 | 9.0 | 47 | 35.6 |

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

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

Project: Rau


**Finalized Date: 13-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20168522

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| BAG-01 | CRU-32 | CRU-QC | LOG-21 |
| PUL-32 | PUL-QC | SPL-21 | WEI-21 |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 23-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20172195

Project: Rau

P.O. No.: R20-R07

This report is for 48 Rock samples submitted to our lab in Whitehorse, YT, Canada on 11-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| BAG-01 | Bulk Master for Storage |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |

## ANALYTICAL PROCEDURES

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 23-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172195

| Sample Description | Method / Analyte / Units / LOD | WEI-21 Recvd Wt. kg 0.02 | Au-AA24 Au ppm 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S051519 | | 2.27 | 0.042 | 0.08 | 3.64 | 1460 | 1210 | 1.46 | 0.59 | 0.20 | 0.18 | 93.8 | 21.0 | 39 | 1.92 | 132.0 |
| S051520 | | 2.67 | 0.013 | 0.03 | 1.33 | 352 | 450 | 0.51 | 0.38 | 0.07 | 0.08 | 15.80 | 7.3 | 38 | 1.01 | 37.7 |
| S051521 | | 2.03 | 0.009 | 0.02 | 6.92 | 655 | 1940 | 2.12 | 0.71 | 0.30 | 0.02 | 88.9 | 19.6 | 61 | 8.54 | 35.2 |
| S051522 | | 2.24 | 0.014 | 0.06 | 4.49 | 730 | 1350 | 1.49 | 0.43 | 0.23 | 0.09 | 65.2 | 10.1 | 38 | 4.01 | 37.7 |
| S051523 | | 2.10 | <0.005 | 0.05 | 0.49 | 16.6 | 240 | 0.18 | 0.03 | <0.01 | <0.02 | 3.99 | 0.3 | 47 | 0.51 | 3.3 |
| S051524 | | 1.16 | <0.005 | 0.17 | 6.52 | 11.3 | 3740 | 1.98 | 0.28 | 0.01 | 0.15 | 56.1 | 2.1 | 62 | 5.37 | 61.7 |
| S051525 | | 2.07 | 0.083 | 0.46 | 0.46 | 9.5 | 90 | <0.05 | 0.43 | 0.04 | 0.31 | 2.58 | 1.5 | 39 | 0.11 | 30.5 |
| S051526 | | 1.75 | <0.005 | 0.03 | 0.19 | 2.1 | 160 | 0.08 | 0.04 | <0.01 | 0.06 | 1.16 | 0.6 | 38 | 0.17 | 15.4 |
| S051527 | | 2.17 | <0.005 | 0.03 | 0.17 | 1.1 | 50 | <0.05 | 0.01 | <0.01 | 0.08 | 0.45 | 0.5 | 51 | 0.11 | 26.5 |
| S051528 | | 2.10 | <0.005 | 0.02 | 0.07 | 1.3 | 20 | <0.05 | <0.01 | 0.01 | 0.02 | 0.36 | 0.5 | 41 | <0.05 | 7.5 |
| S051529 | | 1.82 | 0.020 | 0.14 | 0.40 | 2.5 | 80 | 0.06 | 0.03 | 0.03 | 0.10 | 1.92 | 1.3 | 37 | 0.13 | 23.5 |
| S051530 | | 2.18 | 0.005 | 0.55 | 1.44 | 4.3 | 1270 | 0.45 | 0.11 | 0.02 | 0.08 | 15.00 | 0.3 | 56 | 0.89 | 10.8 |
| S051532 | | 2.07 | <0.005 | 0.48 | 0.93 | 49.5 | 740 | 0.28 | 0.23 | 0.03 | 0.04 | 6.87 | 0.4 | 50 | 0.69 | 20.9 |
| S051453 | | 0.58 | 0.153 | 0.23 | 0.36 | 1225 | 200 | 0.17 | 0.23 | 0.35 | 0.14 | 20.4 | 41.3 | 20 | 0.21 | 265 |
| S051454 | | 0.52 | 0.013 | 0.02 | 3.57 | 388 | 1080 | 1.05 | 0.30 | 0.20 | 0.12 | 44.9 | 7.3 | 50 | 3.43 | 31.9 |
| S051455 | | 0.47 | 0.009 | 0.01 | 5.31 | 446 | 1600 | 1.64 | 0.25 | 0.31 | 0.14 | 55.8 | 9.4 | 49 | 4.24 | 37.0 |
| S051456 | | 1.24 | 0.011 | <0.01 | 6.95 | 447 | 2070 | 2.25 | 0.46 | 0.42 | 0.10 | 90.5 | 9.8 | 65 | 7.22 | 41.7 |
| S051457 | | 1.40 | <0.005 | 0.01 | 0.33 | 2.4 | 40 | <0.05 | 0.01 | 0.01 | <0.02 | 1.22 | 0.3 | 35 | 0.07 | 3.3 |
| S051458 | | 2.12 | <0.005 | 0.08 | 1.33 | 13.9 | 820 | 0.42 | 0.24 | 0.01 | 0.22 | 17.75 | 1.2 | 31 | 0.99 | 25.1 |
| S051459 | | 2.01 | <0.005 | 0.24 | 4.27 | 16.8 | 1340 | 1.09 | 0.25 | 0.04 | 0.76 | 42.7 | 19.6 | 56 | 3.64 | 50.9 |
| S051460 | | 1.71 | <0.005 | 0.25 | 0.27 | 6.6 | 210 | 0.09 | 0.01 | 0.09 | 0.58 | 2.59 | 4.0 | 34 | 0.23 | 13.9 |
| S051461 | | 2.13 | <0.005 | 0.46 | 0.45 | 3.3 | 50 | <0.05 | 0.23 | 0.02 | 0.11 | 1.99 | 0.5 | 43 | 0.12 | 25.4 |
| S051462 | | 1.85 | 0.008 | 0.21 | 5.27 | 3.4 | 2830 | 1.52 | 0.37 | <0.01 | 0.66 | 41.4 | 3.9 | 59 | 4.86 | 90.7 |
| S051463 | | 1.33 | <0.005 | 0.09 | 1.07 | 4.3 | 220 | 0.14 | 0.10 | 0.03 | 0.51 | 5.22 | 3.2 | 39 | 0.40 | 58.7 |
| S051464 | | 1.25 | 0.005 | 0.73 | 0.85 | 4.1 | 220 | 0.16 | 1.13 | 0.02 | 0.12 | 7.43 | 2.1 | 37 | 0.47 | 56.2 |
| S051465 | | 1.43 | <0.005 | 0.42 | 2.19 | 1.7 | 580 | 0.34 | 0.29 | 0.01 | 0.76 | 14.95 | 4.9 | 55 | 0.90 | 20.9 |
| S051466 | | 1.42 | <0.005 | 0.39 | 2.09 | 2.3 | 860 | 0.23 | 0.11 | 0.06 | 0.29 | 12.50 | 2.6 | 42 | 0.79 | 32.9 |
| S051467 | | 1.72 | 0.011 | 0.24 | 1.50 | 2.6 | 910 | 0.42 | 0.02 | 0.02 | 0.02 | 8.32 | 0.9 | 47 | 0.69 | 28.2 |
| S051468 | | 2.95 | <0.005 | 0.25 | 3.22 | 1.2 | 2060 | 1.07 | 0.04 | 0.03 | 0.06 | 26.0 | 1.6 | 60 | 1.85 | 38.7 |
| V764163 | | 2.36 | 0.811 | 0.08 | 0.94 | 333 | 330 | 0.35 | 0.43 | 0.10 | 0.09 | 23.9 | 12.4 | 45 | 0.67 | 32.3 |
| V764164 | | 2.30 | 0.014 | 0.02 | 0.95 | 231 | 320 | 0.30 | 1.01 | 0.10 | 0.09 | 12.20 | 7.5 | 49 | 0.66 | 18.3 |
| V764165 | | 2.26 | 0.042 | 0.04 | 0.18 | 247 | 80 | 0.09 | 13.00 | 0.02 | 0.08 | 2.49 | 4.0 | 46 | 0.40 | 13.7 |
| V764166 | | 2.43 | 0.023 | 0.04 | 2.25 | 233 | 730 | 0.71 | 1.04 | 0.10 | 0.10 | 35.6 | 3.9 | 58 | 1.36 | 10.2 |
| V764167 | | 2.63 | 0.029 | 0.01 | 4.18 | 269 | 1410 | 1.40 | 0.18 | 0.24 | 0.05 | 36.6 | 14.0 | 47 | 3.44 | 21.0 |
| V764168 | | 0.90 | <0.005 | 0.84 | 0.80 | 12.5 | 370 | 0.37 | 0.10 | 0.03 | 1.35 | 8.98 | 0.5 | 41 | 1.15 | 83.3 |
| V764169 | | 0.77 | <0.005 | 0.34 | 1.22 | 17.5 | 1090 | 0.54 | 0.21 | 0.08 | 1.73 | 6.57 | 0.6 | 81 | 1.75 | 25.6 |
| V764170 | | 1.07 | <0.005 | 0.14 | 0.11 | 4.1 | 7950 | 0.09 | 0.08 | 0.11 | 0.26 | 1.52 | 0.8 | 49 | 0.27 | 8.0 |
| V764171 | | 1.11 | <0.005 | 0.06 | 0.02 | 4.4 | 480 | <0.05 | 6.38 | 0.01 | 0.10 | 0.38 | 0.3 | 58 | 0.47 | 2.0 |
| V764172 | | 0.36 | 0.250 | 0.95 | 0.03 | 65.4 | 90 | <0.05 | 1.72 | 0.02 | <0.02 | 0.83 | 0.3 | 42 | 0.28 | 3.2 |
| V764173 | | 2.21 | <0.005 | 0.07 | 0.03 | 24.8 | 60 | <0.05 | 15.35 | 0.01 | 0.07 | 1.06 | 0.8 | 56 | 0.48 | 2.4 |

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**Finalized Date: 23-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172195

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| S051519 | | 7.37 | 9.80 | 0.16 | 1.4 | 0.143 | 1.50 | 49.4 | 7.2 | 0.31 | 2890 | 2.98 | 0.04 | 10.8 | 36.2 | 1230 |
| S051520 | | 2.86 | 3.58 | 0.05 | 0.4 | 0.030 | 0.56 | 7.9 | 3.6 | 0.20 | 581 | 1.20 | 0.02 | 2.9 | 17.2 | 390 |
| S051521 | | 8.13 | 18.70 | 0.13 | 2.9 | 0.089 | 2.82 | 45.3 | 22.0 | 1.83 | 550 | 1.04 | 0.04 | 34.2 | 39.7 | 1450 |
| S051522 | | 4.80 | 11.90 | 0.11 | 1.9 | 0.057 | 1.89 | 34.9 | 11.0 | 0.89 | 701 | 1.15 | 0.03 | 19.6 | 25.3 | 1090 |
| S051523 | | 0.75 | 1.68 | <0.05 | 0.1 | 0.007 | 0.22 | 1.9 | 3.3 | 0.04 | 75 | 0.63 | 0.01 | 0.6 | 2.4 | 20 |
| S051524 | | 3.06 | 17.35 | 0.11 | 2.1 | 0.063 | 2.57 | 28.9 | 34.3 | 0.44 | 51 | 0.86 | 0.83 | 6.9 | 20.4 | 330 |
| S051525 | | 1.03 | 0.69 | <0.05 | 0.1 | <0.005 | 0.04 | 1.1 | 0.9 | 0.01 | 67 | 0.87 | 0.25 | 0.3 | 9.7 | 260 |
| S051526 | | 0.99 | 0.59 | <0.05 | 0.1 | <0.005 | 0.06 | 0.6 | 1.5 | 0.01 | 75 | 0.76 | 0.01 | 0.2 | 6.0 | 100 |
| S051527 | | 1.14 | 0.40 | <0.05 | <0.1 | <0.005 | 0.03 | <0.5 | 1.5 | 0.02 | 86 | 0.85 | 0.05 | 0.1 | 4.1 | 50 |
| S051528 | | 0.77 | 0.15 | <0.05 | <0.1 | <0.005 | 0.01 | <0.5 | 0.7 | <0.01 | 84 | 0.57 | 0.01 | 0.1 | 3.9 | 80 |
| S051529 | | 1.50 | 0.64 | <0.05 | 0.1 | 0.005 | 0.04 | 0.9 | 1.2 | 0.01 | 124 | 0.82 | 0.17 | 0.3 | 14.0 | 210 |
| S051530 | | 1.17 | 4.02 | <0.05 | 0.5 | 0.014 | 0.45 | 6.7 | 5.3 | 0.11 | 83 | 1.14 | 0.39 | 2.0 | 4.1 | 310 |
| S051532 | | 2.03 | 2.81 | <0.05 | 0.3 | 0.015 | 0.28 | 3.2 | 3.9 | 0.11 | 97 | 1.38 | 0.24 | 1.0 | 3.9 | 290 |
| S051453 | | 8.92 | 1.03 | 0.05 | 0.1 | 0.054 | 0.15 | 9.4 | 0.6 | 0.13 | 2390 | 1.28 | 0.01 | 0.8 | 44.7 | 210 |
| S051454 | | 4.29 | 9.17 | 0.09 | 1.4 | 0.057 | 1.54 | 23.4 | 7.6 | 0.61 | 673 | 1.41 | 0.03 | 13.7 | 20.5 | 970 |
| S051455 | | 5.69 | 13.60 | 0.09 | 1.7 | 0.093 | 2.21 | 28.9 | 11.7 | 0.94 | 844 | 1.33 | 0.04 | 21.7 | 26.6 | 1460 |
| S051456 | | 7.45 | 18.25 | 0.16 | 2.5 | 0.125 | 3.01 | 47.9 | 16.4 | 1.42 | 1060 | 2.36 | 0.04 | 26.6 | 31.9 | 2120 |
| S051457 | | 0.58 | 0.43 | <0.05 | <0.1 | <0.005 | 0.03 | 0.6 | 0.4 | 0.01 | 58 | 0.46 | 0.21 | 0.2 | 2.6 | 60 |
| S051458 | | 1.39 | 3.64 | <0.05 | 0.5 | 0.014 | 0.55 | 9.0 | 7.7 | 0.10 | 57 | 0.78 | 0.13 | 2.4 | 9.6 | 350 |
| S051459 | | 3.61 | 10.25 | 0.06 | 0.8 | 0.033 | 1.71 | 19.6 | 23.9 | 0.23 | 325 | 0.75 | 0.33 | 3.4 | 56.6 | 350 |
| S051460 | | 1.28 | 0.85 | <0.05 | 0.1 | 0.007 | 0.08 | 1.7 | 1.7 | 0.02 | 908 | 1.77 | 0.04 | 0.4 | 16.5 | 750 |
| S051461 | | 0.87 | 0.58 | <0.05 | 0.1 | <0.005 | 0.04 | 0.9 | 1.3 | 0.02 | 56 | 0.67 | 0.22 | 0.3 | 5.3 | 170 |
| S051462 | | 3.74 | 12.95 | 0.09 | 2.1 | 0.048 | 1.94 | 21.4 | 33.2 | 0.62 | 70 | 4.75 | 0.42 | 4.5 | 17.1 | 460 |
| S051463 | | 1.60 | 1.52 | <0.05 | 0.2 | 0.006 | 0.15 | 2.6 | 2.6 | 0.04 | 122 | 0.72 | 0.54 | 1.1 | 14.1 | 270 |
| S051464 | | 1.72 | 1.59 | <0.05 | 0.1 | 0.007 | 0.17 | 3.2 | 2.3 | 0.04 | 114 | 0.75 | 0.33 | 0.5 | 17.9 | 240 |
| S051465 | | 1.79 | 3.61 | <0.05 | 0.6 | 0.016 | 0.35 | 6.5 | 6.2 | 0.10 | 96 | 1.31 | 1.13 | 2.4 | 20.2 | 180 |
| S051466 | | 1.56 | 3.20 | <0.05 | 0.3 | 0.012 | 0.30 | 7.2 | 4.1 | 0.14 | 255 | 1.36 | 1.14 | 1.4 | 14.3 | 460 |
| S051467 | | 1.94 | 4.38 | <0.05 | 0.3 | 0.013 | 0.39 | 4.3 | 7.3 | 0.43 | 132 | 0.59 | 0.32 | 1.5 | 3.4 | 180 |
| S051468 | | 1.85 | 8.71 | 0.06 | 0.9 | 0.021 | 0.96 | 13.1 | 11.9 | 0.51 | 133 | 0.64 | 0.80 | 5.3 | 5.4 | 250 |
| V764163 | | 2.30 | 2.75 | 0.05 | 0.3 | 0.015 | 0.42 | 13.0 | 2.0 | 0.05 | 701 | 1.08 | 0.02 | 2.8 | 13.1 | 290 |
| V764164 | | 2.39 | 2.62 | <0.05 | 0.3 | 0.010 | 0.42 | 6.5 | 1.9 | 0.05 | 884 | 1.02 | 0.02 | 2.9 | 13.6 | 320 |
| V764165 | | 1.89 | 0.56 | 0.05 | 0.1 | 0.006 | 0.08 | 1.2 | 1.5 | 0.01 | 420 | 1.03 | 0.01 | 0.4 | 9.5 | 70 |
| V764166 | | 2.19 | 6.27 | 0.09 | 0.7 | 0.029 | 1.06 | 19.1 | 3.6 | 0.11 | 873 | 1.04 | 0.03 | 5.4 | 9.7 | 500 |
| V764167 | | 4.09 | 11.05 | 0.11 | 1.8 | 0.073 | 1.88 | 20.2 | 9.1 | 0.64 | 1080 | 0.90 | 0.03 | 24.4 | 21.8 | 1140 |
| V764168 | | 1.15 | 2.47 | 0.07 | 0.2 | 0.065 | 0.32 | 5.8 | 3.7 | 0.09 | 79 | 6.33 | 0.01 | 1.1 | 17.4 | 350 |
| V764169 | | 1.25 | 2.63 | 0.09 | 0.5 | 0.008 | 0.48 | 5.6 | 9.7 | 0.08 | 91 | 20.6 | 0.04 | 2.4 | 13.2 | 110 |
| V764170 | | 0.88 | 0.38 | 0.05 | <0.1 | 0.005 | 0.03 | 1.1 | 1.7 | 0.05 | 116 | 2.95 | 0.02 | 0.3 | 3.6 | 50 |
| V764171 | | 0.76 | 0.17 | <0.05 | <0.1 | <0.005 | 0.01 | <0.5 | 1.7 | <0.01 | 87 | 1.14 | 0.01 | 0.1 | 2.1 | <10 |
| V764172 | | 1.37 | 0.22 | 0.08 | <0.1 | <0.005 | 0.02 | 0.6 | 1.2 | 0.01 | 115 | 35.8 | 0.01 | 0.1 | 2.4 | 20 |
| V764173 | | 1.00 | 0.27 | 0.05 | <0.1 | 0.007 | 0.02 | 0.7 | 2.0 | 0.01 | 78 | 13.65 | 0.01 | 0.1 | 3.3 | 110 |

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

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**Finalized Date: 23-SEP-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20172195

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| S051519 | | 7.4 | 61.5 | <0.002 | 0.03 | 1.82 | 11.9 | 1 | 13.6 | 30.1 | 0.55 | <0.05 | 6.14 | 0.214 | 0.42 | 5.2 |
| S051520 | | 3.7 | 23.0 | <0.002 | 0.02 | 0.82 | 3.0 | 1 | 4.5 | 10.3 | 0.14 | <0.05 | 1.63 | 0.062 | 0.18 | 0.8 |
| S051521 | | 3.2 | 121.0 | <0.002 | 0.01 | 1.44 | 15.0 | 1 | 16.6 | 29.8 | 1.86 | <0.05 | 9.59 | 0.809 | 0.91 | 2.4 |
| S051522 | | 10.7 | 78.5 | <0.002 | 0.01 | 1.13 | 9.3 | 1 | 11.0 | 22.7 | 1.06 | <0.05 | 6.66 | 0.420 | 0.52 | 2.0 |
| S051523 | | 2.7 | 9.8 | <0.002 | <0.01 | 0.35 | 0.9 | <1 | 0.3 | 2.2 | <0.05 | <0.05 | 0.51 | 0.021 | 0.10 | 0.1 |
| S051524 | | 10.0 | 125.5 | <0.002 | 0.01 | 0.99 | 12.8 | 1 | 2.2 | 36.3 | 0.44 | 0.08 | 9.08 | 0.245 | 0.66 | 2.0 |
| S051525 | | 20.4 | 1.8 | <0.002 | 0.04 | 0.67 | 0.6 | 1 | <0.2 | 26.8 | <0.05 | 0.14 | 0.14 | 0.007 | 0.02 | 0.4 |
| S051526 | | 0.7 | 2.8 | <0.002 | <0.01 | 0.25 | 0.4 | <1 | <0.2 | 1.7 | <0.05 | <0.05 | 0.15 | 0.008 | 0.02 | 0.2 |
| S051527 | | 1.6 | 1.7 | <0.002 | 0.01 | 0.26 | 0.2 | <1 | <0.2 | 4.4 | <0.05 | <0.05 | 0.05 | <0.005 | 0.02 | 0.1 |
| S051528 | | <0.5 | 0.3 | <0.002 | <0.01 | 0.15 | 0.1 | <1 | <0.2 | 3.3 | <0.05 | <0.05 | 0.03 | <0.005 | <0.02 | 0.1 |
| S051529 | | 0.9 | 2.2 | <0.002 | <0.01 | 0.20 | 0.7 | <1 | <0.2 | 11.9 | <0.05 | <0.05 | 0.20 | 0.007 | 0.03 | 0.2 |
| S051530 | | 5.0 | 23.4 | <0.002 | 0.06 | 1.01 | 2.9 | 1 | 0.5 | 33.4 | 0.12 | 0.06 | 1.68 | 0.062 | 0.25 | 1.0 |
| S051532 | | 8.8 | 14.0 | <0.002 | 0.08 | 0.94 | 1.9 | 3 | 0.3 | 21.9 | 0.07 | 0.05 | 1.09 | 0.035 | 0.14 | 1.9 |
| S051453 | | 3.7 | 6.2 | <0.002 | 0.05 | 0.67 | 3.6 | 3 | 0.5 | 6.0 | <0.05 | 0.10 | 0.57 | 0.018 | 0.05 | 1.0 |
| S051454 | | 6.2 | 69.5 | <0.002 | 0.01 | 0.94 | 7.5 | <1 | 8.7 | 14.5 | 0.70 | <0.05 | 4.18 | 0.285 | 0.46 | 1.2 |
| S051455 | | 7.0 | 94.0 | <0.002 | 0.01 | 1.05 | 10.9 | 1 | 12.0 | 22.1 | 1.07 | <0.05 | 5.54 | 0.462 | 0.61 | 1.7 |
| S051456 | | 2.9 | 136.0 | <0.002 | 0.01 | 0.90 | 15.7 | 1 | 17.6 | 26.8 | 1.41 | <0.05 | 9.89 | 0.583 | 0.91 | 2.5 |
| S051457 | | <0.5 | 1.3 | <0.002 | <0.01 | 0.14 | 0.8 | <1 | <0.2 | 5.5 | <0.05 | <0.05 | 0.16 | <0.005 | 0.02 | 0.1 |
| S051458 | | 7.7 | 25.7 | <0.002 | <0.01 | 0.55 | 2.4 | 1 | 0.5 | 13.6 | 0.17 | 0.09 | 1.85 | 0.057 | 0.13 | 1.6 |
| S051459 | | 13.3 | 74.4 | <0.002 | 0.01 | 0.55 | 6.5 | 1 | 1.2 | 19.6 | 0.16 | 0.09 | 5.90 | 0.085 | 0.34 | 1.5 |
| S051460 | | <0.5 | 3.8 | <0.002 | <0.01 | 0.27 | 0.8 | 1 | <0.2 | 7.5 | <0.05 | <0.05 | 0.28 | 0.013 | 0.02 | 0.4 |
| S051461 | | 9.0 | 1.9 | <0.002 | 0.01 | 0.25 | 0.3 | 1 | <0.2 | 14.5 | <0.05 | <0.05 | 0.15 | 0.008 | 0.03 | 0.4 |
| S051462 | | 18.2 | 98.9 | <0.002 | 0.02 | 1.47 | 9.7 | 1 | 1.5 | 36.8 | 0.28 | 0.14 | 6.29 | 0.206 | 0.66 | 2.9 |
| S051463 | | 3.1 | 7.5 | <0.002 | 0.01 | 0.41 | 1.2 | 1 | <0.2 | 23.0 | 0.05 | <0.05 | 0.72 | 0.034 | 0.07 | 0.4 |
| S051464 | | 56.0 | 8.6 | <0.002 | 0.03 | 0.52 | 1.1 | 1 | 0.2 | 21.6 | <0.05 | 0.14 | 0.54 | 0.018 | 0.07 | 0.7 |
| S051465 | | 14.6 | 18.3 | <0.002 | 0.02 | 0.68 | 3.2 | 1 | 0.4 | 39.7 | 0.13 | 0.09 | 1.60 | 0.078 | 0.13 | 1.4 |
| S051466 | | 3.9 | 14.1 | <0.002 | 0.03 | 0.95 | 3.3 | 1 | 0.3 | 54.6 | 0.07 | <0.05 | 1.16 | 0.044 | 0.16 | 1.0 |
| S051467 | | <0.5 | 18.8 | <0.002 | 0.05 | 0.78 | 2.3 | 1 | 0.4 | 15.8 | 0.08 | <0.05 | 1.24 | 0.049 | 0.13 | 0.4 |
| S051468 | | 1.2 | 48.4 | <0.002 | 0.03 | 0.98 | 6.2 | 1 | 1.1 | 35.3 | 0.32 | <0.05 | 3.60 | 0.153 | 0.35 | 1.1 |
| V764163 | | 3.6 | 18.7 | <0.002 | 0.01 | 0.89 | 3.7 | 1 | 2.2 | 6.0 | 0.16 | <0.05 | 1.43 | 0.060 | 0.12 | 0.6 |
| V764164 | | 2.6 | 18.5 | <0.002 | 0.01 | 0.49 | 4.5 | 1 | 2.3 | 5.5 | 0.12 | <0.05 | 1.13 | 0.070 | 0.14 | 0.6 |
| V764165 | | 5.0 | 3.4 | <0.002 | 0.01 | 0.78 | 1.6 | 1 | 0.4 | 2.7 | <0.05 | <0.05 | 0.28 | 0.011 | 0.03 | 0.4 |
| V764166 | | 4.4 | 47.7 | <0.002 | <0.01 | 0.65 | 6.5 | 1 | 4.5 | 8.5 | 0.29 | <0.05 | 3.58 | 0.134 | 0.23 | 0.7 |
| V764167 | | 5.2 | 81.2 | <0.002 | 0.01 | 1.57 | 9.6 | 1 | 7.6 | 16.5 | 1.06 | <0.05 | 4.17 | 0.433 | 0.43 | 1.6 |
| V764168 | | 2.1 | 20.7 | <0.002 | 0.01 | 6.60 | 1.7 | 3 | 1.0 | 50.5 | 0.06 | <0.05 | 1.22 | 0.037 | 0.83 | 1.3 |
| V764169 | | 10.7 | 23.7 | 0.002 | 0.01 | 4.03 | 2.2 | 8 | 0.8 | 44.5 | 0.13 | 0.15 | 0.77 | 0.066 | 1.62 | 1.5 |
| V764170 | | 2.6 | 2.6 | <0.002 | 0.20 | 2.17 | 0.2 | 1 | <0.2 | 27.9 | <0.05 | <0.05 | 0.30 | 0.008 | 0.16 | 0.8 |
| V764171 | | 3.5 | 0.8 | <0.002 | 0.02 | 0.63 | <0.1 | 1 | 0.5 | 2.2 | <0.05 | <0.05 | 0.03 | <0.005 | 0.07 | <0.1 |
| V764172 | | 1.5 | 1.2 | 0.009 | 0.05 | 0.63 | 0.1 | 17 | 2.8 | 1.9 | <0.05 | 0.05 | 0.05 | <0.005 | 0.15 | 0.4 |
| V764173 | | 2.4 | 0.9 | <0.002 | 0.23 | 1.12 | 0.1 | 5 | 0.5 | 3.4 | <0.05 | 0.08 | 0.04 | <0.005 | 0.37 | 0.3 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 23-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172195

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| S051519 | | 87 | 5.3 | 18.4 | 42 | 59.2 |
| S051520 | | 29 | 1.1 | 3.4 | 18 | 17.2 |
| S051521 | | 149 | 6.3 | 9.1 | 58 | 90.9 |
| S051522 | | 107 | 3.7 | 7.3 | 40 | 96.3 |
| S051523 | | 15 | 0.1 | 0.4 | 4 | 4.1 |
| S051524 | | 115 | 1.3 | 5.4 | 87 | 78.2 |
| S051525 | | 5 | 0.1 | 1.7 | 19 | 4.0 |
| S051526 | | 8 | 0.1 | 0.5 | 24 | 2.6 |
| S051527 | | 3 | <0.1 | 0.2 | 15 | 0.5 |
| S051528 | | 2 | <0.1 | 0.3 | 7 | 0.6 |
| S051529 | | 7 | 0.1 | 1.3 | 52 | 2.5 |
| S051530 | | 59 | 0.4 | 2.3 | 37 | 18.9 |
| S051532 | | 31 | 0.2 | 1.7 | 73 | 11.6 |
| S051453 | | 8 | 1.4 | 7.1 | 41 | 3.1 |
| S051454 | | 85 | 3.0 | 7.0 | 38 | 55.6 |
| S051455 | | 128 | 4.2 | 8.6 | 51 | 82.6 |
| S051456 | | 174 | 5.4 | 11.2 | 56 | 101.5 |
| S051457 | | 2 | <0.1 | 0.4 | 4 | 1.8 |
| S051458 | | 39 | 0.4 | 3.5 | 33 | 15.8 |
| S051459 | | 42 | 0.7 | 3.6 | 174 | 40.2 |
| S051460 | | 25 | 0.2 | 2.3 | 70 | 4.9 |
| S051461 | | 4 | 0.1 | 0.7 | 7 | 2.2 |
| S051462 | | 96 | 1.1 | 4.5 | 159 | 75.5 |
| S051463 | | 13 | 0.2 | 1.5 | 89 | 8.2 |
| S051464 | | 10 | 0.1 | 1.1 | 49 | 6.5 |
| S051465 | | 33 | 0.4 | 2.5 | 133 | 23.4 |
| S051466 | | 35 | 0.3 | 3.2 | 94 | 11.4 |
| S051467 | | 33 | 0.3 | 1.3 | 28 | 11.1 |
| S051468 | | 137 | 1.0 | 2.6 | 24 | 39.1 |
| V764163 | | 23 | 1.0 | 4.9 | 22 | 16.2 |
| V764164 | | 24 | 1.1 | 3.6 | 16 | 14.8 |
| V764165 | | 6 | 0.2 | 1.4 | 21 | 3.2 |
| V764166 | | 51 | 2.6 | 4.4 | 15 | 25.6 |
| V764167 | | 106 | 4.6 | 6.7 | 31 | 70.0 |
| V764168 | | 670 | 0.3 | 2.5 | 139 | 9.1 |
| V764169 | | 2210 | 0.7 | 5.3 | 100 | 22.8 |
| V764170 | | 19 | 0.2 | 1.0 | 15 | 2.6 |
| V764171 | | 5 | 0.1 | 0.2 | 9 | <0.5 |
| V764172 | | 30 | 0.7 | 2.6 | 6 | 1.0 |
| V764173 | | 48 | 0.7 | 0.9 | 12 | 0.8 |

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**Finalized Date: 23-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172195

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| V764174 | | 0.80 | 0.015 | 0.34 | 0.53 | 17.7 | 50 | 0.40 | 36.6 | 0.08 | <0.02 | 1.56 | 1.8 | 50 | 0.32 | 57.0 |
| V764175 | | 1.00 | 0.868 | 1.17 | 0.03 | 507 | 10 | <0.05 | 4.19 | 8.30 | 0.02 | 0.43 | 0.7 | 18 | 0.12 | 3.5 |
| V764106 | | 1.72 | 0.949 | 0.06 | 0.53 | 482 | 200 | 0.17 | 0.19 | 0.50 | 0.11 | 8.48 | 8.6 | 33 | 0.40 | 47.2 |
| V764107 | | 0.92 | 0.015 | 0.03 | 0.44 | 93.2 | 160 | 0.15 | 1.47 | 2.41 | 0.08 | 5.17 | 2.8 | 40 | 0.35 | 11.7 |
| V764108 | | 1.21 | 0.007 | <0.01 | 8.42 | 283 | 2940 | 2.47 | 0.29 | 0.53 | 0.12 | 90.1 | 10.5 | 54 | 5.70 | 15.5 |
| V764109 | | 0.73 | <0.005 | 0.06 | 0.31 | 22.7 | 160 | 0.14 | 0.20 | 18.80 | 0.45 | 10.35 | 6.2 | 13 | 0.28 | 15.2 |
| V764110 | | 1.13 | 0.008 | 0.14 | 1.06 | 7.2 | 660 | 0.48 | 13.55 | 0.04 | 0.04 | 3.96 | 0.2 | 70 | 0.94 | 3.7 |
| S051551 | | 2.03 | 0.125 | 0.04 | 0.02 | 324 | 10 | <0.05 | 9.69 | 0.05 | 0.03 | 0.30 | 1.7 | 42 | 0.23 | 2.5 |

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**Finalized Date: 23-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172195

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| V764174 | | 2.03 | 1.61 | 0.07 | 0.3 | 0.086 | 0.02 | 1.2 | 1.1 | 0.19 | 124 | 34.7 | 0.05 | 1.0 | 20.9 | 390 |
| V764175 | | 10.15 | 0.25 | 0.13 | <0.1 | 0.014 | <0.01 | <0.5 | 0.6 | 0.01 | 59 | 0.55 | 0.01 | 0.1 | 12.2 | <10 |
| V764106 | | 4.37 | 1.42 | 0.05 | 0.2 | 0.073 | 0.25 | 4.2 | 1.2 | 0.07 | 1520 | 1.66 | 0.01 | 1.3 | 24.2 | 190 |
| V764107 | | 2.22 | 1.32 | <0.05 | 0.2 | 0.016 | 0.21 | 2.7 | 1.1 | 0.81 | 1120 | 0.84 | 0.01 | 0.7 | 8.4 | 150 |
| V764108 | | 5.89 | 22.4 | 0.17 | 3.0 | 0.102 | 4.09 | 48.7 | 7.6 | 0.57 | 832 | 0.73 | 0.09 | 41.0 | 25.3 | 1520 |
| V764109 | | 2.08 | 0.89 | 0.05 | 0.1 | 0.005 | 0.12 | 6.4 | 1.6 | 0.35 | 1600 | 4.86 | 0.01 | 1.2 | 15.6 | 120 |
| V764110 | | 0.60 | 4.14 | 0.06 | 0.4 | 0.007 | 0.48 | 3.4 | 2.2 | 0.12 | 63 | 3.75 | 0.01 | 1.9 | 3.7 | 20 |
| S051551 | | 1.30 | 0.14 | <0.05 | <0.1 | <0.005 | 0.01 | <0.5 | 0.7 | <0.01 | 128 | 0.89 | 0.01 | 0.1 | 2.8 | 30 |

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**Finalized Date: 23-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172195

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| V764174 | | 8.3 | 1.0 | 0.020 | 0.22 | 5.08 | 1.1 | 21 | 9.4 | 36.0 | 0.06 | 0.21 | 1.13 | 0.025 | 0.30 | 2.4 |
| V764175 | | 1.3 | 0.2 | 0.004 | >10.0 | 0.19 | 0.1 | 35 | 0.9 | 19.7 | <0.05 | <0.05 | 0.01 | <0.005 | <0.02 | 0.1 |
| V764106 | | 3.5 | 9.8 | <0.002 | 0.06 | 0.58 | 2.3 | 2 | 1.3 | 4.8 | 0.06 | <0.05 | 0.44 | 0.030 | 0.05 | 0.9 |
| V764107 | | 3.8 | 8.5 | <0.002 | 0.08 | 0.35 | 5.9 | 1 | 0.8 | 18.7 | <0.05 | <0.05 | 0.46 | 0.016 | 0.05 | 0.2 |
| V764108 | | 2.6 | 177.0 | <0.002 | 0.01 | 0.68 | 21.7 | 1 | 12.5 | 31.5 | 2.00 | <0.05 | 10.20 | 0.810 | 0.92 | 3.1 |
| V764109 | | 3.4 | 5.1 | <0.002 | 0.47 | 1.77 | 1.1 | 1 | 0.8 | 82.6 | 0.07 | <0.05 | 0.52 | 0.025 | 0.11 | 0.9 |
| V764110 | | 1.4 | 26.0 | 0.011 | 0.05 | 2.26 | 2.8 | 4 | 5.3 | 3.8 | 0.10 | <0.05 | 0.50 | 0.057 | 0.94 | 1.3 |
| S051551 | | 1.5 | 0.5 | <0.002 | 0.01 | 0.65 | 0.3 | 1 | <0.2 | 2.1 | <0.05 | 0.16 | 0.05 | <0.005 | <0.02 | 0.1 |

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**Finalized Date: 23-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172195

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| V764174 | | 503 | 3.9 | 3.0 | 65 | 13.0 |
| V764175 | | 17 | 1.1 | 0.8 | 2 | 0.9 |
| V764106 | | 11 | 0.8 | 7.4 | 28 | 6.8 |
| V764107 | | 12 | 0.4 | 4.1 | 13 | 4.6 |
| V764108 | | 209 | 8.6 | 10.4 | 52 | 135.5 |
| V764109 | | 10 | 0.2 | 6.0 | 45 | 5.9 |
| V764110 | | 1760 | 1.4 | 3.1 | 5 | 18.3 |
| S051551 | | 6 | <0.1 | 0.4 | 5 | 0.8 |

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

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Project: Rau


**Finalized Date: 23-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20172195

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| BAG-01 | CRU-32 | CRU-QC | LOG-21 |
| PUL-32 | PUL-QC | SPL-21 | WEI-21 |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20172211

Project: Rau

P.O. No.: R20-R08

This report is for 10 Rock samples submitted to our lab in Whitehorse, YT, Canada on 11-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| BAG-01 | Bulk Master for Storage |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |

## ANALYTICAL PROCEDURES

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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


**Finalized Date: 20-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172211

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| S051531 | | 1.81 | 0.043 | <0.01 | 4.63 | 92.3 | 710 | 1.49 | 0.12 | 0.18 | 0.16 | 28.3 | 11.5 | 46 | 2.76 | 10.2 |
| S051533 | | 1.85 | <0.005 | 0.05 | 1.24 | 40.8 | 430 | 0.56 | 0.18 | 0.17 | 0.03 | 10.30 | 2.5 | 42 | 0.78 | 71.0 |
| S051534 | | 0.68 | <0.005 | 0.08 | 7.44 | 1.1 | 3590 | 2.09 | 0.02 | 8.82 | 0.18 | 144.5 | 18.9 | 8 | 3.55 | 18.0 |
| S051535 | | 0.90 | <0.005 | 0.05 | 8.12 | 0.9 | 8320 | 1.61 | 0.02 | 4.35 | 0.21 | 162.5 | 25.8 | 4 | 14.95 | 16.0 |
| S051536 | | 0.61 | <0.005 | 0.11 | 4.26 | 0.4 | 6180 | 0.84 | 0.03 | 15.80 | 0.19 | 54.6 | 48.7 | 182 | 3.39 | 35.8 |
| S051537 | | 0.64 | <0.005 | 0.01 | 7.49 | 22.6 | 1340 | 0.66 | 0.02 | 5.07 | 0.13 | 157.0 | 40.0 | 154 | 1.21 | 8.5 |
| S051539 | | 0.75 | <0.005 | 0.01 | 5.45 | 1.7 | 1100 | 0.49 | 0.01 | 10.00 | 0.18 | 62.6 | 37.5 | 301 | 1.20 | 3.8 |
| S051540 | | 0.69 | <0.005 | 0.16 | 6.10 | 1.0 | 4580 | 2.59 | 0.06 | 1.23 | 0.07 | 56.3 | 11.1 | 73 | 5.07 | 27.1 |
| S051541 | | 0.59 | <0.005 | 0.25 | 7.70 | 0.3 | 9180 | 1.65 | 0.04 | 9.46 | 0.18 | 160.5 | 63.9 | 95 | 2.97 | 98.7 |
| S051542 | | 0.71 | <0.005 | 0.08 | 6.61 | 0.4 | 1010 | 0.55 | 0.11 | 12.25 | 0.10 | 32.9 | 30.4 | 103 | 3.05 | 28.1 |

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

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**Finalized Date: 20-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172211

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| S051531 | | 4.18 | 12.65 | 0.06 | 0.9 | 0.043 | 1.69 | 15.6 | 14.3 | 1.07 | 437 | 0.59 | 0.04 | 19.2 | 23.5 | 1060 |
| S051533 | | 1.95 | 3.33 | <0.05 | 0.4 | 0.017 | 0.53 | 6.4 | 2.9 | 0.16 | 158 | 1.96 | 0.02 | 2.5 | 14.3 | 1260 |
| S051534 | | 5.78 | 17.15 | 0.17 | 1.1 | 0.094 | 0.68 | 69.4 | 25.1 | 1.84 | 1240 | 0.33 | 3.59 | 77.9 | 6.3 | 5330 |
| S051535 | | 8.46 | 19.90 | 0.19 | 1.1 | 0.097 | 0.95 | 78.6 | 55.3 | 2.90 | 1140 | 0.71 | 3.21 | 95.7 | 6.2 | 4780 |
| S051536 | | 5.46 | 12.70 | 0.09 | 0.7 | 0.057 | 0.39 | 26.1 | 26.9 | 3.84 | 1250 | 0.30 | 0.62 | 28.2 | 148.5 | 2060 |
| S051537 | | 7.82 | 16.65 | 0.18 | 2.0 | 0.053 | 0.32 | 79.4 | 38.9 | 4.86 | 1060 | 0.91 | 1.74 | 77.4 | 82.8 | 3510 |
| S051539 | | 8.67 | 16.40 | 0.09 | 0.6 | 0.069 | 0.25 | 29.5 | 46.1 | 4.81 | 1000 | 0.16 | 0.37 | 33.7 | 172.0 | 1480 |
| S051540 | | 3.60 | 16.15 | 0.11 | 1.5 | 0.055 | 2.12 | 29.2 | 23.4 | 1.85 | 217 | 0.35 | 0.46 | 10.6 | 23.3 | 290 |
| S051541 | | 5.71 | 19.00 | 0.18 | 2.4 | 0.083 | 2.17 | 77.6 | 47.6 | 2.68 | 769 | 0.96 | 0.46 | 85.7 | 133.5 | 1540 |
| S051542 | | 5.34 | 16.85 | 0.08 | 0.3 | 0.052 | 2.18 | 16.1 | 33.7 | 2.37 | 950 | 0.44 | 0.80 | 19.7 | 43.8 | 1290 |

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**Finalized Date: 20-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172211

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| S051531 | | 5.9 | 72.6 | 0.002 | 0.02 | 0.71 | 9.8 | 1 | 7.8 | 22.1 | 1.08 | <0.05 | 7.61 | 0.354 | 0.41 | 1.0 |
| S051533 | | 1.5 | 22.6 | <0.002 | 0.03 | 0.47 | 2.8 | 2 | 2.1 | 37.0 | 0.15 | <0.05 | 1.29 | 0.059 | 0.16 | 2.5 |
| S051534 | | 4.1 | 16.9 | <0.002 | 0.11 | 0.45 | 7.0 | 1 | 2.0 | 488 | 4.29 | <0.05 | 5.50 | 1.535 | 0.18 | 0.5 |
| S051535 | | 3.8 | 58.2 | 0.002 | 0.06 | 0.79 | 8.4 | 1 | 1.8 | 316 | 5.16 | <0.05 | 5.97 | 1.735 | 1.36 | 0.7 |
| S051536 | | 3.4 | 16.7 | 0.002 | 0.46 | 0.53 | 17.7 | 1 | 1.0 | 496 | 1.61 | <0.05 | 2.18 | 0.915 | 0.26 | 0.4 |
| S051537 | | 2.1 | 11.7 | 0.002 | 0.01 | 0.93 | 25.4 | 1 | 1.0 | 277 | 4.06 | <0.05 | 11.05 | 1.135 | 0.23 | 1.7 |
| S051539 | | 3.2 | 15.1 | <0.002 | <0.01 | 0.53 | 22.6 | <1 | 0.9 | 230 | 1.97 | <0.05 | 2.59 | 1.210 | 0.12 | 0.6 |
| S051540 | | 2.6 | 83.5 | <0.002 | 0.03 | 0.64 | 14.0 | <1 | 1.8 | 168.5 | 0.69 | <0.05 | 8.12 | 0.375 | 0.65 | 1.8 |
| S051541 | | 6.0 | 64.3 | 0.003 | 0.87 | 0.81 | 24.4 | 1 | 1.6 | 262 | 4.46 | <0.05 | 10.05 | 1.440 | 0.51 | 1.6 |
| S051542 | | 2.2 | 46.0 | <0.002 | 0.31 | 0.73 | 16.9 | 1 | 1.2 | 184.5 | 1.04 | <0.05 | 2.04 | 0.914 | 0.37 | 0.4 |

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**Finalized Date: 20-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172211

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| S051531 | | 87 | 2.7 | 11.3 | 59 | 33.4 |
| S051533 | | 53 | 0.4 | 4.2 | 9 | 16.7 |
| S051534 | | 88 | 0.5 | 24.8 | 94 | 44.9 |
| S051535 | | 102 | 0.5 | 21.6 | 127 | 58.2 |
| S051536 | | 154 | 0.4 | 19.8 | 71 | 23.6 |
| S051537 | | 233 | 0.7 | 21.3 | 147 | 111.0 |
| S051539 | | 202 | 0.4 | 16.2 | 130 | 25.5 |
| S051540 | | 101 | 0.9 | 12.4 | 36 | 58.3 |
| S051541 | | 264 | 0.4 | 17.0 | 102 | 110.0 |
| S051542 | | 124 | 0.2 | 16.3 | 119 | 14.0 |

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Project: Rau


**Finalized Date: 20-SEP-2020**
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# CERTIFICATE OF ANALYSIS WH20172211

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| BAG-01 | CRU-32 | CRU-QC | LOG-21 |
| PUL-32 | PUL-QC | SPL-21 | WEI-21 |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 1-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20197167

Project: Rau

P.O. No.: R20-R09

This report is for 14 Rock samples submitted to our lab in Whitehorse, YT, Canada on 7-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| OA-HSUL10 | Handling of High Sulphide Samples |
| BAG-01 | Bulk Master for Storage |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |

## ANALYTICAL PROCEDURES

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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Project: Rau

# CERTIFICATE OF ANALYSIS WH20197167

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| S051543 | | 1.12 | <0.005 | 0.03 | 0.07 | 35.1 | 110 | <0.05 | 0.09 | 0.05 | 0.13 | 2.18 | 3.2 | 32 | 0.20 | 7.5 |
| S051544 | | 1.21 | 0.744 | 3.95 | 0.11 | 604 | 40 | 0.06 | 142.5 | 0.07 | 2.33 | 232 | 1.6 | 26 | 0.18 | 15.8 |
| S051545 | | 1.33 | 0.015 | 0.56 | 0.03 | 5.6 | 30 | <0.05 | 1.04 | 0.13 | 0.13 | 0.58 | 0.5 | 37 | 0.10 | 1.3 |
| S051546 | | 0.76 | <0.005 | 0.37 | 6.11 | 43.8 | 1910 | 1.43 | 0.13 | 13.55 | 0.75 | 54.6 | 22.6 | 209 | 5.33 | 49.2 |
| S051547 | | 1.03 | <0.005 | 0.04 | 0.05 | 3.6 | 50 | 0.10 | 0.14 | 21.7 | 0.43 | 2.37 | 0.8 | 4 | <0.05 | 5.6 |
| S051548 | | 0.58 | <0.005 | 0.05 | 6.68 | 3.7 | 2440 | 1.10 | 0.08 | 10.55 | 0.04 | 147.5 | 68.5 | 279 | 5.18 | 128.0 |
| S051549 | | 0.57 | <0.005 | 0.03 | 7.41 | 1.4 | 3780 | 1.80 | 0.13 | 6.94 | 0.13 | 88.0 | 49.4 | 259 | 8.32 | 126.0 |
| S051550 | | 1.63 | 0.015 | 1.14 | 0.04 | 18.3 | 40 | <0.05 | 3.84 | 2.33 | 2.66 | 0.94 | 0.5 | 19 | 0.18 | 2.7 |
| S051552 | | 1.75 | 0.033 | 1.70 | 0.02 | 31.1 | 190 | 0.05 | 4.20 | 14.40 | 4.43 | 6.15 | 0.4 | 11 | 0.26 | 2.0 |
| S051553 | | 2.19 | 0.005 | 0.16 | 0.02 | 7.2 | 30 | 0.10 | 0.14 | 23.7 | 0.64 | 1.40 | 0.6 | 2 | <0.05 | 11.8 |
| S052423 | | 2.28 | 0.024 | 0.02 | 0.44 | 254 | 110 | 0.14 | 0.81 | 0.10 | 0.09 | 6.97 | 5.5 | 33 | 0.55 | 4.1 |
| S052424 | | 2.19 | <0.005 | 0.04 | 1.31 | 2.2 | 1000 | 0.11 | 0.12 | 15.45 | 0.23 | 25.7 | 13.9 | 12 | 0.42 | 12.9 |
| S052425 | | 1.65 | <0.005 | 0.08 | 2.12 | 50.5 | 610 | 0.83 | 0.31 | 0.26 | 0.22 | 28.5 | 15.0 | 47 | 1.79 | 43.6 |
| S052426 | | 1.22 | 0.010 | 0.08 | 2.91 | 70.1 | 700 | 0.97 | 0.31 | 0.19 | 0.09 | 43.5 | 7.5 | 39 | 8.35 | 43.8 |

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**Finalized Date: 1-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197167

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| S051543 | | 3.75 | 0.28 | <0.05 | <0.1 | 0.042 | 0.03 | 0.8 | 0.8 | 0.03 | 2480 | 2.20 | 0.01 | 0.2 | 15.4 | 120 |
| S051544 | | 7.57 | 1.84 | 0.08 | 0.4 | 0.006 | 0.02 | 147.0 | 0.7 | 0.04 | 169 | 1.39 | 0.01 | 0.5 | 13.2 | 410 |
| S051545 | | 0.57 | 0.18 | <0.05 | <0.1 | <0.005 | 0.01 | <0.5 | 0.6 | 0.07 | 121 | 0.20 | 0.01 | 0.1 | 2.1 | 20 |
| S051546 | | 4.01 | 18.50 | <0.05 | 1.2 | 0.078 | 3.25 | 26.4 | 9.4 | 3.12 | 770 | 0.12 | 0.06 | 32.5 | 60.6 | 930 |
| S051547 | | 0.22 | 0.26 | 0.19 | <0.1 | <0.005 | 0.02 | 1.6 | 1.8 | 13.35 | 199 | 0.25 | 0.01 | 0.2 | 17.9 | 110 |
| S051548 | | 5.43 | 19.25 | 0.16 | 1.0 | 0.092 | 2.92 | 79.4 | 12.4 | 4.13 | 570 | 0.30 | 0.06 | 21.9 | 155.0 | 7110 |
| S051549 | | 5.74 | 23.2 | 0.10 | 1.6 | 0.097 | 3.13 | 43.9 | 14.4 | 3.55 | 599 | 0.07 | 0.19 | 30.0 | 121.5 | 2070 |
| S051550 | | 0.69 | 0.22 | <0.05 | <0.1 | 0.006 | 0.02 | 0.6 | 0.5 | 0.03 | 189 | 0.47 | 0.01 | 0.1 | 3.0 | 60 |
| S051552 | | 0.71 | 0.17 | <0.05 | <0.1 | 0.028 | 0.01 | 3.7 | 1.5 | 5.87 | 1080 | 0.14 | 0.01 | 0.1 | 3.2 | 120 |
| S051553 | | 2.49 | 0.11 | <0.05 | <0.1 | <0.005 | 0.01 | 0.9 | 1.1 | 12.25 | 182 | 4.67 | 0.01 | <0.1 | 9.8 | 800 |
| S052423 | | 2.65 | 1.50 | <0.05 | 0.1 | 0.009 | 0.21 | 3.7 | 1.3 | 0.06 | 212 | 0.33 | 0.01 | 3.6 | 7.6 | 200 |
| S052424 | | 3.01 | 4.57 | <0.05 | 0.1 | 0.059 | 0.04 | 11.7 | 11.4 | 1.27 | 2380 | 0.36 | 0.04 | 1.9 | 22.8 | 400 |
| S052425 | | 3.56 | 6.17 | <0.05 | 0.6 | 0.033 | 0.77 | 16.0 | 6.4 | 0.53 | 443 | 0.84 | 0.03 | 14.8 | 21.3 | 690 |
| S052426 | | 5.86 | 8.95 | <0.05 | 0.6 | 0.031 | 1.18 | 22.9 | 16.6 | 1.24 | 577 | 0.20 | 0.02 | 19.0 | 15.0 | 980 |

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**Finalized Date: 1-NOV-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20197167

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| S051543 | | 2.6 | 1.3 | <0.002 | 0.01 | 0.25 | 2.4 | <1 | 0.2 | 2.2 | <0.05 | <0.05 | 0.19 | <0.005 | 0.02 | 0.8 |
| S051544 | | 149.0 | 0.9 | <0.002 | 0.01 | 17.30 | 0.4 | 2 | 0.3 | 2.1 | <0.05 | 0.07 | 1.56 | 0.010 | 0.09 | 3.7 |
| S051545 | | 11.2 | 0.4 | <0.002 | <0.01 | 0.28 | 0.1 | <1 | 0.3 | 1.3 | <0.05 | <0.05 | 0.02 | <0.005 | 0.08 | <0.1 |
| S051546 | | 47.2 | 65.7 | <0.002 | <0.01 | 2.40 | 23.1 | <1 | 1.5 | 67.7 | 1.77 | <0.05 | 4.19 | 0.915 | 0.33 | 0.7 |
| S051547 | | 10.4 | 0.4 | <0.002 | <0.01 | 1.25 | 0.8 | <1 | <0.2 | 76.2 | <0.05 | <0.05 | 0.03 | 0.006 | <0.02 | 1.3 |
| S051548 | | 1.9 | 58.4 | <0.002 | 0.06 | 0.44 | 24.6 | <1 | 1.1 | 88.7 | 1.41 | <0.05 | 5.56 | 0.953 | 0.28 | 0.8 |
| S051549 | | 2.6 | 64.1 | <0.002 | 0.14 | 0.12 | 27.9 | <1 | 1.6 | 126.0 | 1.87 | <0.05 | 5.23 | 0.903 | 0.26 | 0.7 |
| S051550 | | 15.6 | 0.6 | <0.002 | <0.01 | 1.16 | 0.1 | <1 | 0.2 | 1.6 | <0.05 | <0.05 | 0.03 | 0.005 | 0.19 | <0.1 |
| S051552 | | 139.0 | 0.6 | <0.002 | <0.01 | 2.65 | 0.4 | <1 | 0.2 | 28.3 | <0.05 | <0.05 | 0.05 | <0.005 | 0.21 | 0.5 |
| S051553 | | 20.6 | 0.1 | <0.002 | <0.01 | 1.22 | 0.3 | 2 | <0.2 | 62.7 | <0.05 | <0.05 | 0.04 | <0.005 | 0.05 | 3.3 |
| S052423 | | 3.5 | 8.4 | <0.002 | 0.01 | 0.61 | 1.3 | 2 | 1.8 | 3.7 | 0.17 | <0.05 | 0.99 | 0.046 | 0.05 | 0.4 |
| S052424 | | 1.5 | 1.3 | 0.002 | 0.03 | 0.15 | 3.9 | <1 | <0.2 | 651 | 0.08 | <0.05 | 0.25 | 0.037 | 0.04 | <0.1 |
| S052425 | | 14.1 | 29.4 | <0.002 | 0.06 | 1.04 | 3.9 | 1 | 2.8 | 18.3 | 0.74 | 0.05 | 3.14 | 0.233 | 0.19 | 0.8 |
| S052426 | | 9.7 | 54.1 | <0.002 | 0.08 | 0.48 | 6.6 | 1 | 4.9 | 12.3 | 0.97 | <0.05 | 4.25 | 0.361 | 0.56 | 0.6 |

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

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


**Finalized Date: 1-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197167

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| S051543 | | 4 | 0.1 | 7.7 | 18 | 1.6 |
| S051544 | | 9 | 10.9 | 4.4 | 719 | 13.3 |
| S051545 | | 3 | 0.2 | 0.2 | 23 | <0.5 |
| S051546 | | 223 | 1.3 | 9.9 | 158 | 49.6 |
| S051547 | | 16 | <0.1 | 2.3 | 73 | 1.1 |
| S051548 | | 254 | 0.6 | 21.7 | 124 | 39.3 |
| S051549 | | 269 | 0.4 | 12.2 | 129 | 59.0 |
| S051550 | | 2 | 0.9 | 0.7 | 158 | <0.5 |
| S051552 | | 5 | 2.8 | 2.3 | 317 | 0.6 |
| S051553 | | 8 | 0.2 | 1.3 | 160 | 0.7 |
| S052423 | | 11 | 0.4 | 1.6 | 13 | 6.4 |
| S052424 | | 20 | 0.1 | 16.8 | 35 | 2.8 |
| S052425 | | 39 | 1.3 | 6.1 | 48 | 22.9 |
| S052426 | | 63 | 1.0 | 6.2 | 60 | 24.9 |

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

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Project: Rau


**Finalized Date: 1-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20197167

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| BAG-01 | CRU-32 | CRU-QC | LOG-21 |
| OA-HSUL10 | PUL-32 | PUL-QC | SPL-21 |
| WEI-21 | | | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 29-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20203759

Project: Rau

P.O. No.: R20-R10

This report is for 1 Rock sample submitted to our lab in Whitehorse, YT, Canada on 14-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| BAG-01 | Bulk Master for Storage |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION |
|---|---|
| ME-MS61 | 48 element four acid ICP-MS |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 29-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20203759

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| V764253 | | 0.56 | 0.21 | 2.34 | 499 | 180 | 0.58 | 0.60 | 0.09 | 0.09 | 207 | 1.8 | 39 | 0.31 | 8.2 | 2.06 |

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

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**Finalized Date: 29-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20203759

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| V764253 | | 8.24 | 0.21 | 1.2 | 0.010 | 0.32 | 117.0 | 2.4 | 0.51 | 112 | 1.94 | 0.14 | 11.9 | 4.9 | 260 | 4.1 |

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

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Project: Rau


**Finalized Date: 29-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20203759

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| V764253 | | 15.3 | <0.002 | 0.01 | 10.80 | 4.6 | 3 | 8.6 | 22.3 | 0.61 | 0.07 | 4.20 | 0.191 | 0.34 | 1.1 | 65 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 29-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20203759

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 |
| V764253 | | 2.3 | 8.5 | 11 | 49.4 |

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 29-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20203759

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-32 | CRU-QC | LOG-21 | PUL-QC |
| WEI-21 | | | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | | |
|---|---|---|
| BAG-01 | ME-MS61 | PUL-32 |

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**Finalized Date: 3-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20212687

Project: Rau

P.O. No.: R20-R10

This report is for 1 Reject sample submitted to our lab in Whitehorse, YT, Canada on 23-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| FND-04 | Find Bulk Master for Addn Analysis |
| SCR-21 | Dry Screen1kg to 106um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-SCR24 | Au Screen FA Double Minus 50g | WST-SIM |
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| Au-AA26D | Ore Grade Au 50g FA AA Dup | AAS |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20212687

| Sample Description | Method Analyte Units LOD | Au-SCR24 Au Total ppm 0.05 | Au-SCR24 Au (+) F ppm 0.05 | Au-SCR24 Au (-) F ppm 0.05 | Au-SCR24 Au (+) m mg 0.001 | Au-SCR24 WT. + Fr g 0.01 | Au-SCR24 WT. - Fr g 0.1 | Au-AA26 Au ppm 0.01 | Au-AA26D Au ppm 0.01 |
|---|---|---|---|---|---|---|---|---|---|
| V764253 | | 0.16 | 4.34 | 0.11 | 0.026 | 5.99 | 473.8 | 0.12 | 0.10 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 3-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20212687

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | | | |
|---|---|---|---|
| Au-AA26 | Au-AA26D | Au-SCR24 | FND-04 |
| SCR-21 | | | |

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 15-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20204412

Project: Rau

P.O. No.: R20-R12

This report is for 48 Rock samples submitted to our lab in Whitehorse, YT, Canada on 14-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| BAG-01 | Bulk Master for Storage |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |

## ANALYTICAL PROCEDURES

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204412

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| V764251 | | 0.30 | 0.016 | 0.33 | 0.75 | 330 | 190 | 0.26 | 8.83 | 0.03 | 0.14 | 35.2 | 8.0 | 58 | 0.40 | 13.4 |
| V764252 | | 1.92 | 0.076 | 0.03 | 3.04 | 903 | 380 | 1.32 | 3.00 | 0.18 | 0.16 | 36.2 | 9.7 | 45 | 0.28 | 72.6 |
| V764254 | | 1.78 | 0.050 | 0.13 | 8.64 | 235 | 2830 | 2.90 | 0.75 | 0.18 | 0.42 | 173.0 | 6.9 | 62 | 4.64 | 18.0 |
| V764255 | | 1.27 | 0.023 | 0.05 | 3.30 | 73.6 | 1120 | 1.10 | 1.81 | 0.18 | 0.10 | 38.0 | 15.6 | 42 | 1.41 | 109.0 |
| V764256 | | 0.31 | 0.063 | 0.16 | 2.18 | 197.0 | 710 | 0.77 | 5.28 | 0.47 | 0.18 | 44.2 | 19.1 | 48 | 0.91 | 282 |
| V764257 | | 0.86 | 0.034 | 0.06 | 4.26 | 69.4 | 1500 | 1.47 | 3.65 | 0.09 | 0.13 | 47.1 | 9.7 | 59 | 2.03 | 77.7 |
| V764258 | | 2.56 | 0.069 | 0.04 | 2.60 | 320 | 910 | 0.93 | 0.15 | 0.33 | 0.23 | 32.3 | 16.2 | 66 | 1.31 | 78.0 |
| V764259 | | 0.88 | 0.024 | 0.04 | 1.50 | 339 | 530 | 0.56 | 0.22 | 0.09 | 0.17 | 21.1 | 14.8 | 44 | 0.74 | 99.5 |
| V764260 | | 1.12 | 0.017 | 0.04 | 3.39 | 494 | 1230 | 1.20 | 0.50 | 0.14 | 0.16 | 49.9 | 15.5 | 65 | 2.19 | 109.0 |
| V764261 | | 2.43 | 0.127 | 0.14 | 4.09 | 131.5 | 1410 | 1.59 | 1.17 | 0.53 | 0.03 | 57.8 | 21.1 | 45 | 2.27 | 153.0 |
| V764262 | | 1.31 | 0.128 | 0.08 | 4.01 | 80.8 | 1510 | 1.69 | 1.16 | 0.14 | 0.04 | 42.5 | 15.0 | 47 | 2.74 | 130.5 |
| V764263 | | 1.21 | 1.750 | 0.15 | 3.60 | 2160 | 90 | 0.77 | 2.02 | 0.19 | 0.11 | 32.7 | 10.2 | 68 | 0.14 | 16.2 |
| V764264 | | 1.57 | 0.012 | 0.03 | 1.48 | 338 | 90 | 0.36 | 0.40 | 0.05 | 0.03 | 13.70 | 2.5 | 39 | 0.17 | 6.4 |
| V764265 | | 0.96 | 0.136 | <0.01 | 8.55 | 1035 | 2320 | 2.98 | 0.60 | 0.49 | <0.02 | 164.0 | 3.3 | 69 | 4.04 | 2.8 |
| V764266 | | 2.06 | <0.005 | <0.01 | 6.91 | 374 | 940 | 1.89 | 0.22 | 0.43 | 0.02 | 31.8 | 2.1 | 61 | 1.37 | 6.5 |
| V764267 | | 1.94 | 0.527 | 0.08 | 0.38 | 890 | 90 | 0.14 | 1.11 | 0.03 | 0.17 | 19.75 | 10.5 | 29 | 0.24 | 17.0 |
| V764268 | | 1.91 | <0.005 | 0.01 | 0.31 | 329 | 50 | 0.15 | 0.06 | 0.06 | 0.08 | 64.3 | 1.8 | 31 | 0.13 | 11.8 |
| V764269 | | 1.65 | <0.005 | 0.05 | 0.78 | 165.0 | 50 | 0.25 | 0.14 | 0.05 | 0.10 | 129.0 | 1.6 | 44 | 0.19 | 5.2 |
| V764270 | | 2.12 | 0.026 | 0.05 | 0.25 | 315 | 40 | 0.17 | 0.24 | 0.05 | 0.07 | 3.61 | 4.6 | 47 | 0.16 | 10.5 |
| V764271 | | 1.28 | 0.039 | 0.05 | 1.72 | 425 | 420 | 0.60 | 2.45 | 0.05 | 0.06 | 29.2 | 1.9 | 53 | 0.77 | 3.7 |
| V764272 | | 0.80 | 0.017 | 0.04 | 3.84 | 564 | 30 | 0.61 | 0.59 | 0.11 | 0.04 | 14.95 | 5.9 | 51 | 0.09 | 11.9 |
| V764273 | | 1.77 | 0.012 | 0.03 | 4.89 | 760 | 40 | 0.69 | 0.35 | 0.14 | <0.02 | 20.9 | 6.1 | 62 | 0.08 | 17.3 |
| V764274 | | 1.83 | 0.016 | 0.05 | 5.26 | 950 | 40 | 1.13 | 0.66 | 0.20 | <0.02 | 69.8 | 4.0 | 60 | 0.05 | 10.0 |
| V764275 | | 1.93 | 0.008 | 0.04 | 0.20 | 164.5 | 30 | 0.08 | 0.17 | 0.07 | 0.06 | 1.61 | 1.7 | 45 | 0.13 | 5.2 |
| V764276 | | 1.24 | 0.019 | 0.05 | 0.64 | 444 | 40 | 0.33 | 0.35 | 0.07 | 0.07 | 10.10 | 4.5 | 36 | 0.10 | 20.9 |
| V764277 | | 0.92 | 0.029 | 0.05 | 2.22 | 685 | 40 | 0.35 | 0.41 | 0.15 | 0.04 | 8.15 | 3.6 | 46 | 0.10 | 9.2 |
| V764278 | | 1.01 | 0.018 | 0.03 | 2.00 | 17.5 | 850 | 0.76 | 0.08 | 14.35 | 0.13 | 16.75 | 7.9 | 15 | 0.87 | 16.9 |
| V764279 | | 1.66 | 0.007 | 0.06 | 8.47 | 192.0 | 2180 | 2.50 | 0.76 | 0.31 | 0.22 | 99.4 | 19.5 | 112 | 6.34 | 56.8 |
| V764280 | | 1.99 | 0.015 | 0.07 | 0.74 | 155.5 | 220 | 0.25 | 0.14 | 0.02 | 0.10 | 6.20 | 4.2 | 47 | 0.58 | 44.9 |
| V764281 | | 1.40 | 0.014 | 0.05 | 2.12 | 186.5 | 600 | 0.72 | 0.12 | 0.11 | 0.29 | 22.9 | 19.3 | 48 | 1.43 | 131.5 |
| V764282 | | 1.25 | 0.009 | 0.02 | 8.63 | 34.6 | 2630 | 2.95 | 0.78 | 0.34 | 0.09 | 130.0 | 9.6 | 109 | 7.64 | 54.9 |
| V764283 | | 1.49 | <0.005 | 0.02 | 4.84 | 63.4 | 1530 | 1.42 | 0.30 | 0.13 | 0.15 | 65.4 | 11.6 | 71 | 3.38 | 92.4 |
| V764284 | | 1.67 | <0.005 | 0.09 | 2.95 | 28.3 | 740 | 0.86 | 0.12 | 1.10 | 0.38 | 20.5 | 29.1 | 31 | 1.27 | 66.3 |
| S036208 | | 0.87 | 0.006 | 0.07 | 3.53 | 68.5 | 920 | 1.16 | 0.15 | 0.09 | 0.19 | 29.8 | 13.7 | 57 | 2.63 | 58.0 |
| S036209 | | 1.05 | <0.005 | 0.03 | 1.39 | 40.4 | 330 | 0.35 | 0.04 | 0.07 | 0.28 | 5.92 | 4.4 | 30 | 0.74 | 14.6 |
| S036210 | | 0.73 | 0.005 | 0.06 | 0.31 | 123.5 | 90 | 0.14 | 0.09 | 0.05 | 0.29 | 5.90 | 13.2 | 37 | 0.34 | 75.7 |
| S036211 | | 0.78 | 0.012 | 0.04 | 0.23 | 112.5 | 60 | 0.09 | 0.05 | 0.05 | 0.26 | 4.24 | 8.5 | 32 | 0.29 | 51.7 |
| S051562 | | 1.34 | 0.009 | 0.06 | 1.57 | 115.0 | 370 | 0.34 | 0.15 | 0.31 | 0.15 | 19.75 | 7.1 | 38 | 1.15 | 46.4 |
| S051563 | | 2.46 | <0.005 | 0.03 | 0.68 | 18.0 | 110 | <0.05 | 0.08 | 0.40 | 0.09 | 6.43 | 3.0 | 40 | 0.06 | 22.5 |
| S051564 | | 1.37 | <0.005 | 0.01 | 0.58 | 6.2 | 130 | 0.08 | 0.06 | 0.19 | 0.02 | 5.69 | 2.1 | 47 | 0.07 | 16.6 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204412

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| V764251 | | 4.99 | 2.65 | 0.08 | 0.6 | 0.246 | 0.30 | 18.7 | 0.7 | 0.05 | 600 | 2.00 | 0.02 | 3.4 | 13.5 | 270 |
| V764252 | | 13.10 | 9.36 | 0.09 | 2.0 | 0.119 | 0.31 | 17.1 | 2.6 | 0.63 | 1120 | 10.95 | 0.19 | 3.7 | 19.0 | 3940 |
| V764254 | | 3.21 | 27.1 | 0.24 | 2.1 | 0.129 | 4.16 | 90.4 | 7.0 | 0.45 | 332 | 0.56 | 0.13 | 67.5 | 14.5 | 1210 |
| V764255 | | 5.51 | 9.28 | 0.09 | 1.5 | 0.044 | 1.38 | 20.1 | 6.8 | 0.11 | 453 | 1.77 | 0.05 | 7.4 | 33.2 | 1950 |
| V764256 | | 9.71 | 6.61 | 0.10 | 1.3 | 0.083 | 0.90 | 23.4 | 3.9 | 0.08 | 1260 | 6.83 | 0.03 | 6.1 | 40.3 | 2990 |
| V764257 | | 3.98 | 12.55 | 0.10 | 2.2 | 0.053 | 1.91 | 25.4 | 9.1 | 0.16 | 445 | 11.75 | 0.07 | 13.4 | 25.4 | 1000 |
| V764258 | | 4.76 | 7.67 | 0.09 | 0.9 | 0.097 | 0.94 | 14.4 | 4.2 | 0.40 | 1010 | 1.59 | 0.04 | 13.3 | 47.4 | 760 |
| V764259 | | 4.36 | 4.36 | 0.06 | 0.6 | 0.044 | 0.54 | 9.2 | 2.3 | 0.22 | 847 | 0.89 | 0.03 | 6.5 | 52.4 | 530 |
| V764260 | | 4.60 | 10.70 | 0.10 | 1.4 | 0.062 | 1.33 | 24.4 | 5.1 | 0.52 | 630 | 0.84 | 0.05 | 18.2 | 46.6 | 880 |
| V764261 | | 4.90 | 12.30 | 0.14 | 2.3 | 0.054 | 1.77 | 33.6 | 8.3 | 0.37 | 520 | 5.03 | 0.07 | 15.7 | 58.3 | 3100 |
| V764262 | | 3.63 | 11.90 | 0.11 | 1.3 | 0.040 | 1.79 | 23.4 | 10.5 | 0.42 | 210 | 3.52 | 0.07 | 7.6 | 44.3 | 1190 |
| V764263 | | 6.06 | 11.20 | 0.08 | 3.8 | 0.023 | 0.09 | 17.3 | 3.0 | 0.96 | 585 | 4.41 | 0.29 | 24.5 | 24.5 | 830 |
| V764264 | | 2.09 | 4.78 | <0.05 | 1.0 | 0.011 | 0.14 | 7.4 | 1.4 | 0.34 | 173 | 1.50 | 0.10 | 11.5 | 7.8 | 200 |
| V764265 | | 1.87 | 28.6 | 0.26 | 4.1 | 0.077 | 3.60 | 85.6 | 13.7 | 0.85 | 110 | 0.90 | 0.18 | 44.7 | 9.6 | 2430 |
| V764266 | | 2.13 | 22.7 | 0.08 | 2.7 | 0.034 | 1.57 | 16.7 | 7.0 | 1.18 | 127 | 0.52 | 0.32 | 35.1 | 4.4 | 1880 |
| V764267 | | 4.74 | 1.33 | 0.05 | 0.2 | 0.006 | 0.10 | 10.0 | 0.8 | 0.06 | 232 | 1.41 | 0.02 | 1.2 | 15.7 | 250 |
| V764268 | | 14.30 | 1.21 | 0.09 | 0.1 | 0.101 | 0.02 | 35.7 | 0.5 | 0.11 | 1580 | 1.56 | 0.02 | 0.5 | 5.7 | 510 |
| V764269 | | 1.59 | 3.33 | 0.14 | 0.4 | 0.009 | 0.05 | 69.9 | 1.1 | 0.20 | 169 | 0.44 | 0.06 | 5.3 | 4.4 | 280 |
| V764270 | | 3.79 | 0.66 | <0.05 | 0.1 | 0.018 | 0.03 | 1.7 | 0.5 | 0.04 | 274 | 0.67 | 0.01 | 0.6 | 7.3 | 580 |
| V764271 | | 1.89 | 5.67 | 0.05 | 0.8 | 0.031 | 0.69 | 15.1 | 2.6 | 0.15 | 124 | 0.95 | 0.04 | 8.7 | 5.6 | 150 |
| V764272 | | 4.09 | 12.45 | <0.05 | 2.7 | 0.045 | 0.03 | 7.7 | 3.2 | 1.05 | 166 | 2.11 | 0.33 | 26.4 | 6.6 | 390 |
| V764273 | | 5.01 | 15.30 | 0.05 | 3.2 | 0.058 | 0.03 | 10.7 | 4.1 | 1.35 | 204 | 2.89 | 0.41 | 39.6 | 10.3 | 580 |
| V764274 | | 4.90 | 16.45 | 0.09 | 3.6 | 0.067 | 0.02 | 39.1 | 4.3 | 1.52 | 245 | 2.14 | 0.43 | 48.8 | 7.5 | 630 |
| V764275 | | 2.70 | 0.65 | <0.05 | 0.1 | 0.011 | 0.02 | 0.8 | 0.5 | 0.04 | 182 | 0.59 | 0.02 | 0.6 | 4.4 | 200 |
| V764276 | | 5.20 | 1.79 | <0.05 | 0.4 | 0.024 | 0.02 | 5.5 | 0.7 | 0.14 | 313 | 0.72 | 0.04 | 3.0 | 7.4 | 1090 |
| V764277 | | 3.62 | 6.86 | <0.05 | 1.3 | 0.052 | 0.04 | 4.3 | 2.1 | 0.61 | 195 | 1.98 | 0.19 | 13.2 | 6.4 | 360 |
| V764278 | | 4.50 | 5.59 | <0.05 | 0.6 | 0.034 | 0.89 | 9.5 | 4.1 | 6.00 | 5390 | 1.26 | 0.04 | 4.2 | 17.9 | 460 |
| V764279 | | 5.62 | 23.8 | 0.20 | 4.4 | 0.089 | 3.26 | 49.7 | 20.0 | 1.30 | 431 | 1.93 | 0.18 | 42.5 | 59.8 | 1630 |
| V764280 | | 1.84 | 2.04 | <0.05 | 0.2 | 0.019 | 0.31 | 3.1 | 1.2 | 0.07 | 114 | 0.92 | 0.03 | 1.7 | 13.2 | 130 |
| V764281 | | 4.75 | 6.00 | 0.06 | 0.5 | 0.122 | 0.85 | 10.9 | 3.7 | 0.13 | 359 | 2.25 | 0.05 | 5.7 | 50.1 | 810 |
| V764282 | | 6.14 | 25.1 | 0.27 | 3.8 | 0.117 | 3.74 | 67.4 | 16.5 | 0.87 | 332 | 1.68 | 0.15 | 50.1 | 59.7 | 2040 |
| V764283 | | 3.54 | 13.50 | 0.16 | 1.9 | 0.065 | 2.10 | 33.7 | 6.8 | 0.21 | 842 | 1.23 | 0.12 | 13.1 | 35.6 | 790 |
| V764284 | | 3.59 | 5.60 | 0.08 | 0.5 | 0.054 | 0.80 | 9.7 | 11.6 | 0.48 | 528 | 0.86 | 0.28 | 5.5 | 50.1 | 1440 |
| S036208 | | 4.18 | 9.27 | 0.10 | 1.6 | 0.044 | 1.29 | 14.1 | 6.5 | 0.37 | 821 | 1.69 | 0.10 | 15.4 | 26.3 | 620 |
| S036209 | | 1.23 | 2.52 | 0.05 | 0.1 | 0.026 | 0.45 | 2.8 | 3.0 | 0.14 | 225 | 0.36 | 0.05 | 1.2 | 8.5 | 270 |
| S036210 | | 2.88 | 0.95 | <0.05 | 0.1 | 0.050 | 0.09 | 2.7 | 1.1 | 0.06 | 535 | 0.65 | 0.02 | 0.7 | 30.0 | 270 |
| S036211 | | 1.97 | 0.79 | <0.05 | 0.1 | 0.038 | 0.05 | 1.7 | 1.0 | 0.06 | 417 | 0.45 | 0.01 | 0.6 | 23.3 | 260 |
| S051562 | | 2.18 | 3.90 | <0.05 | 0.4 | 0.031 | 0.63 | 10.0 | 3.1 | 0.17 | 422 | 0.39 | 0.04 | 5.3 | 9.4 | 610 |
| S051563 | | 0.92 | 1.12 | <0.05 | 0.1 | 0.007 | 0.02 | 3.3 | 6.6 | 0.10 | 831 | 0.22 | <0.01 | 3.2 | 8.7 | 330 |
| S051564 | | 1.01 | 1.01 | <0.05 | 0.2 | 0.005 | 0.03 | 3.0 | 5.5 | 0.05 | 692 | 0.26 | <0.01 | 2.3 | 7.3 | 190 |

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

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**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204412

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| V764251 | | 20.9 | 15.2 | <0.002 | 0.02 | 1.02 | 1.3 | 1 | 2.4 | 4.9 | 0.14 | 0.06 | 2.38 | 0.054 | 0.09 | 1.1 |
| V764252 | | 9.1 | 12.9 | <0.002 | 0.08 | 10.00 | 7.0 | <1 | 5.9 | 214 | 0.21 | <0.05 | 19.55 | 0.101 | 0.47 | 10.8 |
| V764254 | | 17.7 | 185.5 | <0.002 | 0.05 | 4.98 | 19.4 | <1 | 10.4 | 40.9 | 4.27 | <0.05 | 19.25 | 0.665 | 0.83 | 2.3 |
| V764255 | | 15.4 | 56.7 | <0.002 | 0.02 | 5.21 | 9.0 | 1 | 4.0 | 21.8 | 0.38 | 0.08 | 4.07 | 0.172 | 0.43 | 3.6 |
| V764256 | | 11.3 | 37.8 | <0.002 | 0.04 | 29.3 | 8.0 | 3 | 3.2 | 20.5 | 0.35 | 0.14 | 4.66 | 0.109 | 0.28 | 3.5 |
| V764257 | | 8.0 | 78.8 | <0.002 | 0.01 | 2.70 | 8.6 | 1 | 6.1 | 20.2 | 0.81 | 0.14 | 7.30 | 0.232 | 0.58 | 3.5 |
| V764258 | | 10.4 | 42.1 | <0.002 | 0.02 | 1.24 | 5.0 | 1 | 1.5 | 24.9 | 0.74 | <0.05 | 2.89 | 0.327 | 0.25 | 1.3 |
| V764259 | | 9.1 | 24.4 | <0.002 | 0.01 | 2.52 | 2.9 | 2 | 0.9 | 13.2 | 0.35 | <0.05 | 1.55 | 0.163 | 0.15 | 0.7 |
| V764260 | | 11.4 | 65.5 | <0.002 | 0.01 | 1.82 | 7.1 | 1 | 2.1 | 28.5 | 1.06 | <0.05 | 5.08 | 0.440 | 0.37 | 1.4 |
| V764261 | | 2.0 | 76.6 | <0.002 | 0.02 | 11.00 | 8.3 | 4 | 2.1 | 50.2 | 0.90 | 0.11 | 9.53 | 0.196 | 0.58 | 7.5 |
| V764262 | | 2.7 | 80.4 | <0.002 | 0.04 | 1.44 | 7.4 | 3 | 1.8 | 40.7 | 0.44 | 0.08 | 6.23 | 0.148 | 0.63 | 4.0 |
| V764263 | | 13.5 | 4.2 | <0.002 | 0.06 | 22.3 | 7.4 | 2 | 12.8 | 59.0 | 1.26 | <0.05 | 15.55 | 0.369 | 0.80 | 5.1 |
| V764264 | | 4.3 | 6.4 | <0.002 | 0.01 | 10.70 | 2.9 | <1 | 5.6 | 18.1 | 0.52 | <0.05 | 3.36 | 0.177 | 0.25 | 1.2 |
| V764265 | | 2.1 | 150.0 | <0.002 | 0.02 | 5.97 | 20.3 | <1 | 34.0 | 61.2 | 2.46 | <0.05 | 24.2 | 0.786 | 1.34 | 4.2 |
| V764266 | | 2.1 | 66.0 | <0.002 | 0.01 | 1.41 | 14.2 | <1 | 22.1 | 55.9 | 1.78 | <0.05 | 14.70 | 0.657 | 0.51 | 3.0 |
| V764267 | | 3.9 | 4.9 | <0.002 | 0.01 | 22.1 | 1.1 | 3 | 1.2 | 6.0 | 0.05 | <0.05 | 1.26 | 0.025 | 0.15 | 0.5 |
| V764268 | | 2.3 | 1.2 | <0.002 | <0.01 | 0.77 | 2.8 | 2 | 0.4 | 10.1 | <0.05 | <0.05 | 3.32 | 0.011 | 0.04 | 0.9 |
| V764269 | | 5.2 | 2.4 | <0.002 | <0.01 | 1.88 | 1.8 | <1 | 2.0 | 11.9 | 0.22 | <0.05 | 6.75 | 0.089 | 0.07 | 0.8 |
| V764270 | | 4.3 | 1.6 | <0.002 | 0.01 | 3.93 | 1.1 | <1 | 0.4 | 5.5 | <0.05 | <0.05 | 0.42 | 0.011 | 0.08 | 1.0 |
| V764271 | | 4.9 | 31.3 | <0.002 | 0.02 | 9.43 | 4.0 | 1 | 9.4 | 12.8 | 0.42 | <0.05 | 3.98 | 0.144 | 0.49 | 1.0 |
| V764272 | | 7.7 | 1.3 | <0.002 | 0.02 | 11.30 | 7.4 | 4 | 10.7 | 34.8 | 1.45 | <0.05 | 31.5 | 0.409 | 0.19 | 2.6 |
| V764273 | | 11.9 | 1.3 | <0.002 | 0.02 | 17.85 | 9.2 | 5 | 14.5 | 42.3 | 1.87 | <0.05 | 33.7 | 0.543 | 0.16 | 3.3 |
| V764274 | | 17.5 | 0.8 | <0.002 | 0.02 | 11.30 | 9.5 | 4 | 16.8 | 56.8 | 2.49 | <0.05 | 13.80 | 0.672 | 0.16 | 3.5 |
| V764275 | | 5.0 | 1.0 | <0.002 | 0.01 | 2.03 | 0.5 | 2 | 0.5 | 3.7 | <0.05 | <0.05 | 0.33 | 0.012 | 0.06 | 0.4 |
| V764276 | | 7.2 | 0.9 | <0.002 | 0.02 | 6.32 | 2.0 | 1 | 1.6 | 16.2 | 0.12 | <0.05 | 0.81 | 0.048 | 0.20 | 2.1 |
| V764277 | | 10.1 | 1.5 | <0.002 | 0.02 | 13.80 | 4.4 | 2 | 5.5 | 22.9 | 0.64 | <0.05 | 33.1 | 0.198 | 0.16 | 1.5 |
| V764278 | | 2.1 | 31.2 | <0.002 | 0.07 | 0.50 | 5.1 | 1 | 1.0 | 367 | 0.24 | <0.05 | 2.56 | 0.086 | 0.20 | 0.8 |
| V764279 | | 9.0 | 143.0 | <0.002 | 0.05 | 2.26 | 16.7 | 1 | 5.0 | 73.7 | 2.31 | 0.05 | 13.55 | 0.941 | 0.92 | 4.3 |
| V764280 | | 4.0 | 15.4 | <0.002 | 0.01 | 0.55 | 1.0 | 1 | 0.9 | 8.1 | 0.09 | <0.05 | 0.64 | 0.038 | 0.10 | 0.3 |
| V764281 | | 4.7 | 41.2 | <0.002 | 0.01 | 0.55 | 3.4 | 2 | 2.5 | 22.5 | 0.31 | 0.05 | 2.17 | 0.125 | 0.24 | 0.7 |
| V764282 | | 4.2 | 176.5 | <0.002 | 0.01 | 2.34 | 18.0 | 2 | 8.8 | 59.3 | 2.73 | <0.05 | 13.40 | 1.160 | 1.23 | 4.0 |
| V764283 | | 4.5 | 95.7 | <0.002 | 0.01 | 1.07 | 9.9 | 2 | 3.0 | 27.0 | 0.72 | <0.05 | 8.76 | 0.317 | 0.62 | 1.8 |
| V764284 | | 9.8 | 33.5 | <0.002 | 0.05 | 0.84 | 3.6 | 1 | 1.5 | 38.6 | 0.30 | <0.05 | 1.41 | 0.093 | 0.20 | 0.8 |
| S036208 | | 15.5 | 61.6 | <0.002 | 0.01 | 1.26 | 6.6 | 3 | 1.6 | 28.7 | 0.84 | 0.05 | 4.17 | 0.327 | 0.38 | 1.5 |
| S036209 | | 15.2 | 19.1 | <0.002 | 0.01 | 0.63 | 0.8 | 1 | 0.7 | 15.7 | 0.07 | <0.05 | 0.86 | 0.027 | 0.15 | 0.2 |
| S036210 | | 13.0 | 4.4 | <0.002 | 0.02 | 1.73 | 1.2 | 4 | 0.2 | 8.4 | <0.05 | 0.07 | 0.67 | 0.016 | 0.06 | 0.5 |
| S036211 | | 11.0 | 2.7 | <0.002 | 0.01 | 1.50 | 1.0 | 2 | <0.2 | 7.2 | <0.05 | <0.05 | 0.50 | 0.014 | 0.03 | 0.3 |
| S051562 | | 5.1 | 27.6 | <0.002 | 0.03 | 0.52 | 2.1 | 1 | 2.2 | 17.8 | 0.26 | <0.05 | 1.76 | 0.074 | 0.19 | 0.4 |
| S051563 | | 3.5 | 1.0 | <0.002 | 0.07 | 0.33 | 1.5 | 1 | <0.2 | 51.9 | 0.12 | <0.05 | 0.79 | 0.055 | <0.02 | 0.2 |
| S051564 | | 2.0 | 1.2 | <0.002 | 0.02 | 0.29 | 1.5 | <1 | 0.2 | 25.4 | 0.09 | <0.05 | 0.68 | 0.045 | <0.02 | 0.1 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204412

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| V764251 | | 30 | 0.5 | 2.5 | 149 | 24.5 |
| V764252 | | 159 | 2.2 | 12.7 | 24 | 96.6 |
| V764254 | | 145 | 4.9 | 15.3 | 124 | 92.6 |
| V764255 | | 114 | 2.3 | 11.1 | 25 | 62.6 |
| V764256 | | 111 | 2.0 | 13.5 | 33 | 53.4 |
| V764257 | | 230 | 2.5 | 8.6 | 23 | 83.7 |
| V764258 | | 58 | 2.0 | 6.5 | 55 | 38.2 |
| V764259 | | 31 | 1.2 | 4.6 | 35 | 21.6 |
| V764260 | | 80 | 2.8 | 5.7 | 56 | 55.3 |
| V764261 | | 281 | 3.0 | 14.6 | 35 | 97.2 |
| V764262 | | 264 | 1.7 | 6.7 | 20 | 51.1 |
| V764263 | | 107 | 6.7 | 18.1 | 27 | 165.0 |
| V764264 | | 36 | 1.9 | 3.7 | 11 | 44.1 |
| V764265 | | 167 | 7.8 | 18.0 | 11 | 177.5 |
| V764266 | | 143 | 7.0 | 11.8 | 13 | 112.5 |
| V764267 | | 12 | 0.4 | 2.3 | 9 | 8.8 |
| V764268 | | 13 | 0.2 | 8.3 | 20 | 5.4 |
| V764269 | | 28 | 0.9 | 6.1 | 11 | 20.3 |
| V764270 | | 11 | 0.2 | 2.9 | 13 | 7.3 |
| V764271 | | 38 | 1.7 | 3.3 | 10 | 35.3 |
| V764272 | | 98 | 4.3 | 5.2 | 12 | 118.5 |
| V764273 | | 134 | 6.2 | 6.2 | 18 | 144.5 |
| V764274 | | 155 | 7.5 | 8.4 | 17 | 150.5 |
| V764275 | | 10 | 0.2 | 1.1 | 11 | 4.0 |
| V764276 | | 26 | 0.8 | 3.9 | 16 | 18.8 |
| V764277 | | 59 | 2.0 | 3.0 | 12 | 57.6 |
| V764278 | | 36 | 0.6 | 6.2 | 23 | 25.5 |
| V764279 | | 185 | 3.2 | 12.4 | 72 | 163.0 |
| V764280 | | 10 | 0.2 | 3.5 | 18 | 8.1 |
| V764281 | | 32 | 0.5 | 7.3 | 56 | 26.3 |
| V764282 | | 195 | 3.4 | 16.5 | 43 | 152.5 |
| V764283 | | 98 | 1.6 | 9.2 | 21 | 73.1 |
| V764284 | | 29 | 0.4 | 8.9 | 46 | 19.3 |
| S036208 | | 83 | 1.4 | 5.7 | 52 | 59.7 |
| S036209 | | 9 | 0.5 | 2.2 | 70 | 6.4 |
| S036210 | | 10 | 0.2 | 5.0 | 52 | 4.7 |
| S036211 | | 6 | 0.1 | 3.8 | 45 | 4.3 |
| S051562 | | 25 | 0.3 | 5.1 | 30 | 16.4 |
| S051563 | | 6 | 0.3 | 2.2 | 28 | 5.4 |
| S051564 | | 7 | 0.3 | 1.4 | 3 | 3.4 |

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

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


**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204412

| Sample Description | Method | WEI-21 | Au-AA24 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 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 |
| S051565 | | 1.71 | <0.005 | 0.10 | 4.23 | 9.3 | 350 | 2.17 | 0.17 | 0.05 | 0.16 | 45.2 | 13.4 | 33 | 8.02 | 35.9 |
| S051566 | | 1.06 | <0.005 | 0.11 | 3.03 | 26.7 | 100 | 0.84 | 0.10 | 0.04 | 0.05 | 49.2 | 4.1 | 33 | 4.59 | 44.8 |
| S051567 | | 0.99 | 0.005 | 0.12 | 3.72 | 4.5 | 240 | 0.90 | 0.15 | 0.04 | 0.06 | 40.0 | 7.0 | 43 | 5.16 | 18.9 |
| S036212 | | 0.76 | <0.005 | 0.02 | 6.72 | 35.0 | 2630 | 2.31 | 0.12 | 0.35 | 0.21 | 71.8 | 11.5 | 53 | 5.45 | 7.3 |
| S036213 | | 1.52 | <0.005 | 1.42 | 0.04 | 36.4 | 30 | <0.05 | 25.8 | 0.01 | 0.09 | 0.67 | 1.6 | 38 | 0.39 | 4.7 |
| S036214 | | 1.11 | <0.005 | 0.03 | 0.16 | 65.3 | 60 | 0.11 | 0.13 | 0.01 | 0.38 | 2.58 | 12.2 | 40 | 0.31 | 102.5 |
| S036215 | | 1.73 | 0.024 | 0.06 | 4.64 | 89.5 | 1280 | 1.63 | 1.92 | 0.06 | 0.10 | 68.4 | 7.0 | 70 | 2.87 | 75.0 |
| S036216 | | 1.85 | <0.005 | 0.06 | 2.88 | 45.9 | 890 | 0.85 | 0.11 | 0.29 | 0.23 | 48.6 | 10.4 | 47 | 2.39 | 44.3 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204412

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| S051565 | | 25.8 | 10.90 | 0.14 | 1.5 | 0.049 | 1.68 | 21.0 | 11.2 | 0.24 | 301 | 0.88 | 0.11 | 4.5 | 22.5 | 390 |
| S051566 | | 15.95 | 9.13 | 0.08 | 0.9 | 0.047 | 0.87 | 21.5 | 96.1 | 0.10 | 116 | 0.98 | 0.07 | 2.8 | 14.1 | 350 |
| S051567 | | 24.2 | 9.65 | 0.09 | 1.2 | 0.043 | 1.48 | 19.6 | 15.7 | 0.22 | 283 | 0.44 | 0.09 | 3.8 | 10.6 | 180 |
| S036212 | | 3.64 | 18.45 | 0.19 | 2.5 | 0.083 | 3.26 | 39.3 | 5.4 | 0.56 | 665 | 0.63 | 0.09 | 25.5 | 21.1 | 960 |
| S036213 | | 2.10 | 0.20 | <0.05 | <0.1 | 0.018 | 0.02 | <0.5 | 0.6 | 0.01 | 500 | 0.29 | 0.01 | 0.1 | 5.5 | 20 |
| S036214 | | 4.42 | 0.50 | <0.05 | 0.1 | 0.034 | 0.05 | 1.1 | 0.6 | 0.02 | 620 | 2.40 | 0.01 | 0.2 | 32.9 | 240 |
| S036215 | | 2.77 | 13.15 | 0.17 | 2.4 | 0.052 | 2.03 | 35.9 | 5.7 | 0.23 | 357 | 1.04 | 0.09 | 20.5 | 23.0 | 570 |
| S036216 | | 3.51 | 7.85 | 0.10 | 1.0 | 0.066 | 1.21 | 26.6 | 5.6 | 0.30 | 681 | 1.08 | 0.06 | 19.5 | 21.1 | 870 |

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

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**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204412

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| S051565 | | 14.0 | 64.8 | 0.002 | 0.46 | 1.82 | 8.0 | 1 | 1.4 | 40.0 | 0.32 | 0.07 | 5.61 | 0.173 | 0.55 | 1.8 |
| S051566 | | 63.5 | 40.5 | <0.002 | 0.25 | 0.82 | 4.8 | 1 | 0.8 | 58.2 | 0.19 | <0.05 | 5.45 | 0.088 | 0.45 | 0.7 |
| S051567 | | 16.8 | 66.2 | <0.002 | 2.17 | 0.81 | 7.3 | 1 | 1.1 | 35.8 | 0.27 | <0.05 | 5.86 | 0.127 | 0.43 | 1.0 |
| S036212 | | 2.1 | 139.0 | <0.002 | 0.01 | 0.67 | 14.8 | 1 | 4.6 | 31.3 | 1.42 | <0.05 | 10.20 | 0.549 | 0.76 | 2.5 |
| S036213 | | 15.8 | 0.8 | <0.002 | 0.01 | 3.97 | 0.4 | 1 | <0.2 | 1.6 | <0.05 | 0.05 | 0.09 | <0.005 | 0.02 | 0.2 |
| S036214 | | 7.7 | 2.5 | <0.002 | 0.01 | 0.25 | 1.0 | 1 | 0.2 | 3.9 | <0.05 | <0.05 | 0.23 | 0.005 | 0.04 | 0.4 |
| S036215 | | 6.7 | 89.4 | <0.002 | 0.01 | 0.88 | 8.6 | 1 | 11.6 | 25.8 | 0.99 | 0.05 | 9.67 | 0.384 | 0.51 | 2.1 |
| S036216 | | 11.7 | 53.5 | <0.002 | 0.01 | 1.18 | 5.6 | 1 | 1.7 | 24.6 | 1.02 | <0.05 | 5.10 | 0.255 | 0.33 | 1.0 |

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

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**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204412

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| S051565 | | 61 | 0.6 | 10.4 | 191 | 50.8 |
| S051566 | | 39 | 0.3 | 5.9 | 86 | 32.1 |
| S051567 | | 57 | 0.4 | 6.8 | 76 | 40.3 |
| S036212 | | 123 | 4.6 | 9.8 | 48 | 94.7 |
| S036213 | | 3 | <0.1 | 1.1 | 14 | 0.9 |
| S036214 | | 6 | 0.1 | 5.0 | 76 | 2.9 |
| S036215 | | 82 | 2.3 | 9.1 | 31 | 100.5 |
| S036216 | | 54 | 0.8 | 9.5 | 38 | 45.5 |

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 15-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20204412

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| BAG-01 | CRU-32 | CRU-QC | LOG-21 |
| PUL-32 | PUL-QC | SPL-21 | WEI-21 |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

## APPENDIX VII

## RAB DRILLING – SAMPLING METHODS, ANALYSIS AND DATA VERIFICATION

## 2020 RAB Drill Sampling Methods, Sample Analysis, and Data Verification

Geological logging was done on all RAB drill material (chips) in 2020. Data that was collected included:

1.) Footage
2.) Rock Type
3.) Weathering
4.) HCL reactivity
5.) Colour
6.) Alteration
7.) Colour
8.) Minerals
9.) Written Description

In the event that there were two or more visually distinct rock types, a percentage field was available to discriminate between the different types.

Data was entered into an application on a digital tablet that synced with the existing drill hole database when the tablet returned to camp. A representative collective of chips and pulverised material was also collected and stored in plastic chip boxes, and labelled with their respective hole number, footage and sample number.

Photographs were taken of each 5 foot run, and if there were two or more visually distinct rock types they were separated for the photo.

Samples for analysis was collected from a 5 gallon pail that collected material from each 5 foot run. The material was homogenized by hand and approximately 5 lbs of material was scooped into a plastic sample bag. This bag was then doubled bagged and had an ALS assay tag inserted between the bags.

**Sample Handling and Security**

Samples were flown by helicopter from the drill sites back to Rau camp. The samples were later flown by helicopter to the Rau Airstrip, flown by fixed wing to the Whitehorse airport and transported to ALS Minerals by truck. All samples were controlled by employees of Archer Cathro until they were delivered directly to ALS Minerals where they were logged. ALS Minerals was responsible for shipping the logged samples to its North Vancouver laboratory, where they were prepared and analyzed.

**Sample Analysis**

All samples were sent to ALS Minerals' laboratory in Whitehorse to be logged and then on to its laboratory in North Vancouver for preparation and analysis. ALS Minerals, a wholly owned subsidiary of ALS Limited, is an independent commercial laboratory specializing in analytical geochemistry services. Both ALS Minerals' Whitehorse and North Vancouver laboratories are individually certified to standards within ISO 9001:2008. The North Vancouver laboratory has also received accreditation to ISO/IEC 17025:2005 from the Standards Council of Canada for several analytical methods.

Samples were fine crushed before a 250 g split was pulverized to better than 85% passing 75 microns. Splits of the pulverized material were analyzed by ME-MS61, which uses a four acid digestion and analysis for 48 elements by inductively coupled plasma (ICP) together with mass spectrometry (MS) and atomic

emission spectroscopy (AES). Samples were assayed for gold by Au-AA25, which takes a 30 g charge and prepares it by fire assay before being finished with atomic absorption spectroscopy (AAS).

## DATA VERIFICATION

### Collar Locations

All RAB hole collars were located and recorded using a handheld GPS.

### Assays

Assay certificates were obtained from ALS Minerals in CSV format and imported directly into the MS SQL Server® database. Spot checking of data within the database to hard copy certificates issued by ALS Minerals has not revealed any issues.

A QA/QC program was not implemented for RAB drilling as the results are considered preliminary and not suitable for resource calculations or other detailed assessments.

## APPENDIX VIII

## RAB DRILLING – COLLAR INFORMATION, GEOLOGICAL AND SAMPLE LOGS

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531341 | 7113503 | 776 | 22.86 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-008**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: BTW

Casing Depth:

Drilling Dates: Jul 27 - Jul 29, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W845101 to W845115 |
| Total: | 15 |
| Batch: | |
| Certificates: | WH20165305 |

**COMMENTS**

Terminated due to ground conditions.

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W845101 | 0.00 | 1.52 | 0.02 | 0 | 17 | 8 | 67.0 | 3 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W845102 | 1.52 | 3.05 | 0.23 | 0 | 38 | 10 | 64.0 | 3 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| | W845103 | 3.05 | 4.57 | 0.00 | 0 | 38 | 8 | 77.0 | 3 | 3.50 | ☐ | ☐ | ☐ | ☐ | casing |
| | W845104 | 4.57 | 6.10 | 0.00 | 0 | 45 | 6 | 84.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | casing |
| | W845105 | 6.10 | 7.62 | 0.00 | 0 | 68 | 7 | 64.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | darker then last |
| | W845106 | 7.62 | 9.14 | 0.01 | 0 | 82 | 7 | 86.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | casng |
| | W845107 | 9.14 | 10.67 | 0.00 | 0 | 45 | 7 | 54.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | casing |
| | W845108 | 10.67 | 12.19 | 0.00 | 0 | 52 | 7 | 67.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | casing |
| | W845109 | 12.19 | 13.72 | 0.00 | 0 | 57 | 7 | 62.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W845110 | 13.72 | 15.24 | 0.00 | 0 | 61 | 7 | 75.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | casng |
| | W845111 | 15.24 | 16.76 | 0.00 | 0 | 148 | 8 | 67.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | casing |
| | W845112 | 16.76 | 18.29 | 0.00 | 0 | 100 | 9 | 88.0 | 2 | 1.90 | ☐ | ☐ | ☐ | ☐ | casing |
| | W845113 | 18.29 | 19.81 | 0.00 | 0 | 51 | 7 | 74.0 | 2 | 2.40 | ☐ | ☐ | ☐ | ☐ | casing |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W845114 | 19.81 | 21.34 | 0.00 | 0 | 32 | 10 | 89.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W845115 | 21.34 | 22.86 | 0.00 | 0 | 35 | 9 | 74.0 | 3 | 2.50 | ☐ | ☐ | ☐ | ☐ | EOH |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531341 | 7113503 | 776 | 41.15 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-009**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: BTW

Casing Depth:

Drilling Dates: Jul 29 - Jul 30, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W845116 to W845142 |
| Total: | 27 |
| Batch: | |
| Certificates: | WH20165305 |

**COMMENTS**

Terminated due to ground conditions. Too much water.

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W845116 | 0.00 | 1.52 | 0.02 | 0 | 27 | 9 | 52.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | Sampled on second run of casing. First run of casing recovered 2 feet of organics (discarded), 3 feet of stick u to the drillooooi. |
| | W845117 | 1.52 | 3.05 | 0.04 | 0 | 23 | 7 | 46.0 | 3 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| | W845118 | 3.05 | 4.57 | 0.21 | 0 | 32 | 8 | 62.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W845119 | 4.57 | 6.10 | 0.00 | 0 | 20 | 9 | 85.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W845120 | 6.10 | 7.62 | 0.00 | 0 | 20 | 8 | 83.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W845121 | 7.62 | 9.14 | 0.00 | 0 | 17 | 7 | 83.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W845122 | 9.14 | 10.67 | 0.00 | 0 | 25 | 8 | 66.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W845123 | 10.67 | 12.19 | 0.00 | 0 | 33 | 8 | 71.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W845124 | 12.19 | 13.72 | 0.00 | 0 | 25 | 10 | 84.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W845125 | 13.72 | 15.24 | 0.00 | 0 | 29 | 9 | 100.0 | 4 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W845126 | 15.24 | 16.76 | 0.00 | 0 | 63 | 10 | 69.0 | 3 | 4.60 | ☐ | ☐ | ☐ | ☐ | damp weathered oxidized. open hole. |
| | W845127 | 16.76 | 18.29 | 0.00 | 0 | 54 | 8 | 72.0 | 2 | 3.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W845128 | 18.29 | 19.81 | 0.00 | 0 | 54 | 9 | 80.0 | 3 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W845129 | 19.81 | 21.34 | 0.01 | 0 | 60 | 8 | 56.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W845130 | 21.34 | 22.86 | 0.01 | 0 | 85 | 10 | 68.0 | 4 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W845131 | 22.86 | 24.38 | 0.00 | 0 | 63 | 6 | 51.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W845132 | 24.38 | 25.91 | 0.00 | 0 | 100 | 6 | 45.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W845133 | 25.91 | 27.43 | 0.00 | 0 | 41 | 6 | 43.0 | 4 | 2.00 | ☐ | ☐ | ☐ | ☐ | large chips |
| | W845134 | 27.43 | 28.96 | 0.00 | 0 | 43 | 6 | 60.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W845135 | 28.96 | 30.48 | 0.00 | 0 | 55 | 7 | 53.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W845136 | 30.48 | 32.00 | 0.01 | 0 | 100 | 8 | 46.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W845137 | 32.00 | 33.53 | 0.00 | 0 | 82 | 6 | 51.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W845138 | 33.53 | 35.05 | 0.00 | 0 | 69 | 8 | 65.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W845139 | 35.05 | 36.58 | 0.00 | 0 | 29 | 3 | 61.0 | 2 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W845140 | 36.58 | 38.10 | 0.00 | 0 | 64 | 4 | 55.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | damp sample water source |
| | W845141 | 38.10 | 39.62 | 0.00 | 0 | 61 | 5 | 62.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | damp |
| | W845142 | 39.62 | 41.15 | 0.00 | 0 | 42 | 4 | 56.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | EOH |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531341 | 7113503 | 776 | 50.29 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-010**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: BTW

Casing Depth:

Drilling Dates: Jul 30 - Jul 31, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W845143 to W845175 |
| Total: | 33 |
| Batch: | |
| Certificates: | WH20165305 |

**COMMENTS**

Terminated due to ground conditions.

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W845143 | 0.00 | 1.52 | 0.01 | 0 | 20 | 7 | 44.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | sampled on second casing. wet mud sample |
| | W845144 | 1.52 | 3.05 | 0.03 | 0 | 22 | 8 | 45.0 | 5 | 3.50 | ☐ | ☐ | ☐ | ☐ | rock chips and muck |
| | W845145 | 3.05 | 4.57 | 0.03 | 0 | 27 | 7 | 45.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | low returns |
| | W845146 | 4.57 | 6.10 | 0.02 | 0 | 27 | 7 | 54.0 | 2 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W845147 | 6.10 | 7.62 | 0.01 | 0 | 30 | 7 | 63.0 | 2 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| | W845148 | 7.62 | 9.14 | 0.00 | 0 | 14 | 7 | 73.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | low returns |
| | W845149 | 9.14 | 10.67 | 0.00 | 0 | 48 | 8 | 65.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | low returns |
| | W845150 | 10.67 | 12.19 | 0.00 | 0 | 94 | 8 | 90.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | low returns. |
| | W845151 | 12.19 | 13.72 | 0.00 | 0 | 56 | 9 | 98.0 | 3 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| | W845152 | 13.72 | 15.24 | 0.00 | 0 | 56 | 9 | 124.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W845153 | 15.24 | 16.76 | 0.06 | 0 | 44 | 7 | 99.0 | 2 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W845154 | 16.76 | 18.29 | 0.00 | 0 | 39 | 8 | 91.0 | 2 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W845155 | 18.29 | 19.81 | 0.00 | 0 | 27 | 6 | 92.0 | 2 | 1.50 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W845156 | 19.81 | 21.34 | 0.00 | 0 | 21 | 7 | 89.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W845157 | 21.34 | 22.86 | 0.01 | 0 | 109 | 9 | 150.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W845158 | 22.86 | 24.38 | 0.00 | 0 | 26 | 7 | 118.0 | 2 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W845159 | 24.38 | 25.91 | 0.00 | 0 | 39 | 6 | 100.0 | 2 | 1.90 | ☐ | ☐ | ☐ | ☐ | OH |
| | W845160 | 25.91 | 27.43 | 0.00 | 0 | 42 | 7 | 98.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W845161 | 27.43 | 28.96 | 0.00 | 0 | 45 | 7 | 102.0 | 2 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W845162 | 28.96 | 30.48 | 0.00 | 0 | 45 | 6 | 102.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W845163 | 30.48 | 32.00 | 0.00 | 0 | 50 | 9 | 81.0 | 3 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W845164 | 32.00 | 33.53 | 0.00 | 0 | 26 | 7 | 93.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W845165 | 33.53 | 35.05 | 0.00 | 0 | 24 | 7 | 79.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W845166 | 35.05 | 36.58 | 0.00 | 0 | 29 | 7 | 96.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | lower returns than "normal |
| | W845167 | 36.58 | 38.10 | 0.00 | 0 | 63 | 9 | 71.0 | 5 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W845168 | 38.10 | 39.62 | 0.00 | 0 | 36 | 8 | 67.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W845169 | 39.62 | 41.15 | 0.00 | 0 | 37 | 6 | 108.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W845170 | 41.15 | 42.67 | 0.00 | 0 | 57 | 8 | 92.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W845171 | 42.67 | 44.20 | 0.00 | 0 | 66 | 5 | 72.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W845172 | 44.20 | 45.72 | 0.00 | 0 | 54 | 6 | 62.0 | 2 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W845173 | 45.72 | 47.24 | 0.00 | 0 | 78 | 6 | 110.0 | 2 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| | W845174 | 47.24 | 48.77 | 0.00 | 0 | 71 | 5 | 129.0 | 2 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| | W845175 | 48.77 | 50.29 | 0.00 | 0 | 90 | 6 | 110.0 | 2 | 1.50 | ☐ | ☐ | ☐ | ☐ | EOH |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 532203 | 7114547 | 1239 | 48.77 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-011**

**CLAIM:**

Contractor:

Drill: 1

Core Size:

Casing Depth:

Drilling Dates: Aug 01 - Aug 01, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W845176 to W845207 |
| Total: | 32 |
| Batch: | |
| Certificates: | WH20165305 |

**COMMENTS**

Terminated due to ground conditions.

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W845176 | 0.00 | 1.52 | 0.01 | 0 | 8 | 3 | 26.0 | 24 | 10.30 | ☐ | ☐ | ☐ | ☐ | |
| | W845177 | 1.52 | 3.05 | 0.12 | 0 | 28 | 2 | 30.0 | 13 | 4.50 | ☐ | ☐ | ☐ | ☐ | open hole |
| | W845178 | 3.05 | 4.57 | 0.01 | 0 | 41 | 3 | 30.0 | 11 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| | W845179 | 4.57 | 6.10 | 0.01 | 0 | 47 | 3 | 53.0 | 10 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W845180 | 6.10 | 7.62 | 0.00 | 0 | 42 | 3 | 58.0 | 9 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| | W845181 | 7.62 | 9.14 | 0.00 | 0 | 40 | 25 | 80.0 | 10 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W845182 | 9.14 | 10.67 | 0.02 | 0 | 55 | 5 | 44.0 | 7 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W845183 | 10.67 | 12.19 | 0.00 | 0 | 37 | 3 | 48.0 | 7 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W845184 | 12.19 | 13.72 | 0.00 | 0 | 57 | 4 | 45.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W845185 | 13.72 | 15.24 | 0.01 | 0 | 81 | 14 | 59.0 | 10 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| | W845186 | 15.24 | 16.76 | 0.01 | 0 | 18 | 7 | 59.0 | 8 | 4.70 | ☐ | ☐ | ☐ | ☐ | part of sample wet |
| | W845187 | 16.76 | 18.29 | 0.01 | 0 | 43 | 35 | 146.0 | 10 | 2.90 | ☐ | ☐ | ☐ | ☐ | part of sample wet |
| | W845188 | 18.29 | 19.81 | 0.01 | 0 | 51 | 6 | 78.0 | 7 | 2.30 | ☐ | ☐ | ☐ | ☐ | water |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W845189 | 19.81 | 21.34 | 0.01 | 0 | 48 | 6 | 72.0 | 7 | 2.10 | ☐ | ☐ | ☐ | ☐ | water |
| | W845190 | 21.34 | 22.86 | 0.01 | 0 | 55 | 10 | 53.0 | 9 | 2.40 | ☐ | ☐ | ☐ | ☐ | water, fines washed away |
| | W845191 | 22.86 | 24.38 | 0.01 | 0 | 32 | 10 | 67.0 | 9 | 2.50 | ☐ | ☐ | ☐ | ☐ | water, fines washed away |
| | W845192 | 24.38 | 25.91 | 0.02 | 0 | 54 | 8 | 87.0 | 8 | 2.40 | ☐ | ☐ | ☐ | ☐ | water, fines washed away |
| | W845193 | 25.91 | 27.43 | 0.01 | 0 | 23 | 14 | 110.0 | 9 | 2.80 | ☐ | ☐ | ☐ | ☐ | water, fines washed away |
| | W845194 | 27.43 | 28.96 | 0.00 | 0 | 10 | 14 | 130.0 | 7 | 2.50 | ☐ | ☐ | ☐ | ☐ | water, fines washed away |
| | W845195 | 28.96 | 30.48 | 0.00 | 0 | 12 | 18 | 123.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | water, fines washed away |
| | W845196 | 30.48 | 32.00 | 0.00 | 0 | 27 | 10 | 100.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | water,. fines washed away |
| | W845197 | 32.00 | 33.53 | 0.00 | 0 | 39 | 23 | 120.0 | 7 | 2.30 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W845198 | 33.53 | 35.05 | 0.00 | 0 | 48 | 45 | 99.0 | 7 | 2.40 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W845199 | 35.05 | 36.58 | 0.00 | 0 | 39 | 12 | 29.0 | 7 | 2.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W845200 | 36.58 | 38.10 | 0.00 | 0 | 52 | 7 | 22.0 | 6 | 1.70 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W845201 | 38.10 | 39.62 | 0.03 | 0 | 52 | 6 | 26.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W845202 | 39.62 | 41.15 | 0.01 | 0 | 68 | 7 | 22.0 | 3 | 1.30 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W845203 | 41.15 | 42.67 | 0.02 | 0 | 57 | 15 | 19.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W845204 | 42.67 | 44.20 | 0.02 | 0 | 40 | 10 | 23.0 | 3 | 1.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W845205 | 44.20 | 45.72 | 0.02 | 0 | 62 | 8 | 20.0 | 3 | 1.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W845206 | 45.72 | 47.24 | 0.02 | 0 | 54 | 8 | 19.0 | 2 | 1.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W845207 | 47.24 | 48.77 | 0.01 | 0 | 62 | 8 | 25.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | water fines washed away EOH |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 532203 | 7114547 | 1239 | 4.57 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-012**

**CLAIM:**

Contractor:

Drill: 1

Core Size:

Casing Depth:

Drilling Dates: Aug 02 - Aug 02, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W843651 to W843653 |
| Total: | 3 |
| Batch: | |
| Certificates: | WH20168510 |

**COMMENTS**

Terminated due to drilling equipment issues.

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843651 | 0.00 | 1.52 | 0.02 | 0 | 35 | 3 | 123.0 | 11 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843652 | 1.52 | 3.05 | 0.11 | 0 | 62 | 5 | 82.0 | 13 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843653 | 3.05 | 4.57 | 0.20 | 0 | 73 | 3 | 34.0 | 19 | 8.50 | ☐ | ☐ | ☐ | ☐ | EOH |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 532201 | 7114548 | 1239 | 36.58 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-013**

**CLAIM:**

Contractor:

Drill: 1

Core Size:

Casing Depth:

Drilling Dates: Aug 02 - Aug 03, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

| SUMMARY |
|---|

| SAMPLES | |
|---|---|
| Numbers: | W843654 to W843677 |
| Total: | 24 |
| Batch: | |
| Certificates: | WH20168510 |

| COMMENTS |
|---|
| Terminated due to ground conditions |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843654 | 0.00 | 1.52 | 0.02 | 0 | 18 | 4 | 85.0 | 9 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843655 | 1.52 | 3.05 | 0.01 | 0 | 54 | 7 | 151.0 | 13 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843656 | 3.05 | 4.57 | 0.02 | 0 | 37 | 2 | 113.0 | 11 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843657 | 4.57 | 6.10 | 0.02 | 0 | 72 | 5 | 147.0 | 11 | 2.60 | ☐ | ☐ | ☐ | ☐ | OH |
| | W843658 | 6.10 | 7.62 | 0.07 | 0 | 49 | 3 | 108.0 | 12 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843659 | 7.62 | 9.14 | 0.29 | 0 | 56 | 3 | 18.0 | 9 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843660 | 9.14 | 10.67 | 0.06 | 0 | 35 | 3 | 75.0 | 12 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843661 | 10.67 | 12.19 | 0.02 | 1 | 18 | 12 | 43.0 | 56 | 8.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843662 | 12.19 | 13.72 | 0.01 | 0 | 8 | 11 | 55.0 | 24 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843663 | 13.72 | 15.24 | 0.02 | 0 | 50 | 9 | 109.0 | 14 | 8.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843664 | 15.24 | 16.76 | 0.03 | 0 | 30 | 7 | 100.0 | 13 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W843665 | 16.76 | 18.29 | 0.15 | 0 | 16 | 9 | 36.0 | 27 | 8.80 | ☐ | ☐ | ☐ | ☐ | little wet at beginning of sample |
| | W843666 | 18.29 | 19.81 | 0.03 | 0 | 38 | 3 | 47.0 | 17 | 4.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843667 | 19.81 | 21.34 | 0.01 | 0 | 31 | 3 | 51.0 | 13 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843668 | 21.34 | 22.86 | 0.01 | 0 | 81 | 3 | 36.0 | 15 | 4.80 | ☐ | ☐ | ☐ | ☐ | wet sample |
| | W843669 | 22.86 | 24.38 | 0.06 | 0 | 48 | 5 | 26.0 | 21 | 7.70 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843670 | 24.38 | 25.91 | 0.12 | 0 | 57 | 3 | 16.0 | 18 | 7.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843671 | 25.91 | 27.43 | 0.07 | 0 | 33 | 4 | 19.0 | 18 | 7.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843672 | 27.43 | 28.96 | 0.06 | 0 | 33 | 4 | 23.0 | 16 | 6.80 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843673 | 28.96 | 30.48 | 0.06 | 0 | 22 | 6 | 23.0 | 20 | 8.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843674 | 30.48 | 32.00 | 0.04 | 0 | 21 | 6 | 24.0 | 23 | 8.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843675 | 32.00 | 33.53 | 0.05 | 0 | 15 | 4 | 16.0 | 25 | 10.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843676 | 33.53 | 35.05 | 0.07 | 0 | 23 | 3 | 17.0 | 23 | 9.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843677 | 35.05 | 36.58 | 0.05 | 0 | 38 | 3 | 19.0 | 19 | 8.00 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 532205 | 7114556 | 1227 | 60.96 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-014**

**CLAIM:**

Contractor:

Drill: 1

Core Size:

Casing Depth:

Drilling Dates: Aug 03 - Aug 03, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W843678 to W843717 |
| Total: | 40 |
| Batch: | |
| Certificates: | WH20168510 |

**COMMENTS**

Timing considerations for move. Ground conditions getting difficult.

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843678 | 0.00 | 1.52 | 0.04 | 0 | 247 | 6 | 37.0 | 12 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843679 | 1.52 | 3.05 | 0.01 | 0 | 80 | 4 | 44.0 | 11 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843680 | 3.05 | 4.57 | 0.11 | 0 | 55 | 3 | 25.0 | 15 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843681 | 4.57 | 6.10 | 0.01 | 0 | 66 | 5 | 33.0 | 19 | 9.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843682 | 6.10 | 7.62 | 0.04 | 0 | 80 | 5 | 41.0 | 13 | 4.90 | ☐ | ☐ | ☐ | ☐ | OH |
| | W843683 | 7.62 | 9.14 | 0.03 | 0 | 36 | 5 | 25.0 | 12 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843684 | 9.14 | 10.67 | 0.01 | 0 | 62 | 4 | 22.0 | 10 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843685 | 10.67 | 12.19 | 0.05 | 0 | 125 | 5 | 19.0 | 11 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843686 | 12.19 | 13.72 | 0.02 | 0 | 90 | 4 | 27.0 | 11 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843687 | 13.72 | 15.24 | 0.00 | 0 | 43 | 11 | 36.0 | 7 | 2.80 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843688 | 15.24 | 16.76 | 0.01 | 0 | 37 | 5 | 34.0 | 9 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843689 | 16.76 | 18.29 | 0.03 | 0 | 42 | 11 | 84.0 | 9 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843690 | 18.29 | 19.81 | 0.01 | 0 | 28 | 7 | 34.0 | 8 | 3.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843691 | 19.81 | 21.34 | 0.02 | 0 | 84 | 6 | 30.0 | 13 | 5.60 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843692 | 21.34 | 22.86 | 0.04 | 0 | 77 | 3 | 38.0 | 10 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843693 | 22.86 | 24.38 | 0.01 | 0 | 38 | 3 | 40.0 | 10 | 3.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843694 | 24.38 | 25.91 | 0.08 | 0 | 40 | 4 | 33.0 | 15 | 5.30 | ☐ | ☐ | ☐ | ☐ | water |
| | W843695 | 25.91 | 27.43 | 0.18 | 0 | 21 | 3 | 17.0 | 19 | 6.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843696 | 27.43 | 28.96 | 0.14 | 0 | 11 | 2 | 13.0 | 22 | 8.00 | ☐ | ☐ | ☐ | ☐ | water |
| | W843697 | 28.96 | 30.48 | 0.03 | 0 | 7 | 2 | 11.0 | 36 | 9.00 | ☐ | ☐ | ☐ | ☐ | water |
| | W843698 | 30.48 | 32.00 | 0.03 | 0 | 7 | 4 | 24.0 | 33 | 9.70 | ☐ | ☐ | ☐ | ☐ | water |
| | W843699 | 32.00 | 33.53 | 3.11 | 0 | 5 | 3 | 18.0 | 34 | 11.90 | ☐ | ☐ | ☐ | ☐ | water |
| | W843700 | 33.53 | 35.05 | 0.04 | 0 | 5 | 5 | 21.0 | 31 | 11.30 | ☐ | ☐ | ☐ | ☐ | water |
| | W843701 | 35.05 | 36.58 | 0.03 | 0 | 68 | 17 | 38.0 | 22 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843702 | 36.58 | 38.10 | 0.02 | 0 | 44 | 3 | 40.0 | 13 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843703 | 38.10 | 39.62 | 0.03 | 0 | 55 | 4 | 31.0 | 15 | 4.50 | ☐ | ☐ | ☐ | ☐ | water |
| | W843704 | 39.62 | 41.15 | 0.04 | 0 | 47 | 3 | 26.0 | 14 | 4.50 | ☐ | ☐ | ☐ | ☐ | low returns, wet |
| | W843705 | 41.15 | 42.67 | 0.04 | 0 | 48 | 3 | 20.0 | 15 | 5.30 | ☐ | ☐ | ☐ | ☐ | wet low returns |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843706 | 42.67 | 44.20 | 0.04 | 0 | 34 | 3 | 17.0 | 13 | 4.90 | ☐ | ☐ | ☐ | ☐ | wet very low returns |
| | W843707 | 44.20 | 45.72 | 0.13 | 0 | 37 | 3 | 18.0 | 14 | 5.50 | ☐ | ☐ | ☐ | ☐ | wet very very low returns |
| | W843708 | 45.72 | 47.24 | 0.04 | 0 | 60 | 4 | 27.0 | 18 | 6.90 | ☐ | ☐ | ☐ | ☐ | wet mud |
| | W843709 | 47.24 | 48.77 | 0.04 | 0 | 32 | 4 | 18.0 | 18 | 7.10 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843710 | 48.77 | 50.29 | 0.03 | 0 | 22 | 3 | 14.0 | 19 | 7.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843711 | 50.29 | 51.82 | 0.05 | 0 | 16 | 3 | 15.0 | 24 | 9.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843712 | 51.82 | 53.34 | 0.01 | 0 | 5 | 4 | 14.0 | 28 | 12.70 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843713 | 53.34 | 54.86 | 0.01 | 0 | 6 | 3 | 14.0 | 17 | 6.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843714 | 54.86 | 56.39 | 0.10 | 0 | 14 | 4 | 16.0 | 15 | 5.90 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843715 | 56.39 | 57.91 | 0.06 | 0 | 29 | 5 | 40.0 | 8 | 3.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843716 | 57.91 | 59.44 | 0.01 | 0 | 32 | 4 | 77.0 | 6 | 2.10 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843717 | 59.44 | 60.96 | 0.01 | 0 | 30 | 2 | 87.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | water fines washed away. EOH |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531394 | 7114706 | 1184 | 65.53 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-015**

**CLAIM:**

Contractor:

Drill: 1

Core Size:

Casing Depth:

Drilling Dates: Aug 03 - Aug 04, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

| SUMMARY |
|---|

| SAMPLES | |
|---|---|
| Numbers: | W843718 to W843760 |
| Total: | 43 |
| Batch: | |
| Certificates: | WH20168510 |

| COMMENTS |
|---|
| |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843718 | 0.00 | 1.52 | 0.01 | 0 | 69 | 7 | 74.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843719 | 1.52 | 3.05 | 0.00 | 0 | 18 | 6 | 60.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843720 | 3.05 | 4.57 | 0.00 | 0 | 32 | 6 | 55.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | OH |
| | W843721 | 4.57 | 6.10 | 0.01 | 0 | 19 | 5 | 62.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843722 | 6.10 | 7.62 | 0.00 | 0 | 15 | 4 | 70.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843723 | 7.62 | 9.14 | 0.00 | 0 | 28 | 4 | 54.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843724 | 9.14 | 10.67 | 0.01 | 0 | 17 | 8 | 58.0 | 4 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843725 | 10.67 | 12.19 | 0.00 | 0 | 46 | 5 | 83.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843726 | 12.19 | 13.72 | 0.00 | 0 | 31 | 4 | 52.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843727 | 13.72 | 15.24 | 0.00 | 0 | 46 | 5 | 67.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843728 | 15.24 | 16.76 | 0.00 | 0 | 31 | 5 | 51.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W843729 | 16.76 | 18.29 | 0.00 | 0 | 49 | 4 | 62.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843730 | 18.29 | 19.81 | 0.00 | 0 | 31 | 4 | 42.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843731 | 19.81 | 21.34 | 0.00 | 0 | 29 | 5 | 45.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843732 | 21.34 | 22.86 | 0.00 | 0 | 34 | 4 | 48.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843733 | 22.86 | 24.38 | 0.01 | 0 | 59 | 4 | 45.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W843734 | 24.38 | 25.91 | 0.00 | 0 | 46 | 3 | 40.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843735 | 25.91 | 27.43 | 0.00 | 0 | 41 | 4 | 55.0 | 2 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843736 | 27.43 | 28.96 | 0.00 | 0 | 20 | 3 | 47.0 | 2 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843737 | 28.96 | 30.48 | 0.00 | 0 | 27 | 4 | 40.0 | 2 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843738 | 30.48 | 32.00 | 0.00 | 0 | 55 | 5 | 51.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843739 | 32.00 | 33.53 | 0.01 | 0 | 23 | 5 | 33.0 | 9 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843740 | 33.53 | 35.05 | 0.01 | 0 | 35 | 4 | 57.0 | 5 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843741 | 35.05 | 36.58 | 0.01 | 0 | 48 | 4 | 45.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843742 | 36.58 | 38.10 | 0.01 | 0 | 44 | 6 | 53.0 | 5 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843743 | 38.10 | 39.62 | 0.01 | 0 | 29 | 3 | 54.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843744 | 39.62 | 41.15 | 0.01 | 0 | 22 | 4 | 46.0 | 4 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843745 | 41.15 | 42.67 | 0.00 | 0 | 24 | 4 | 56.0 | 5 | 2.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843746 | 42.67 | 44.20 | 0.01 | 0 | 59 | 4 | 58.0 | 4 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843747 | 44.20 | 45.72 | 0.00 | 0 | 49 | 2 | 58.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843748 | 45.72 | 47.24 | 0.01 | 0 | 46 | 3 | 50.0 | 4 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843749 | 47.24 | 48.77 | 0.01 | 0 | 12 | 2 | 52.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843750 | 48.77 | 50.29 | 0.01 | 0 | 49 | 9 | 55.0 | 9 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| | W843751 | 50.29 | 51.82 | 0.00 | 0 | 27 | 4 | 30.0 | 5 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843752 | 51.82 | 53.34 | 0.01 | 0 | 51 | 3 | 35.0 | 4 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843753 | 53.34 | 54.86 | 0.01 | 0 | 86 | 3 | 38.0 | 4 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843754 | 54.86 | 56.39 | 0.00 | 0 | 32 | 1 | 32.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843755 | 56.39 | 57.91 | 0.00 | 0 | 32 | 2 | 33.0 | 4 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843756 | 57.91 | 59.44 | 0.00 | 0 | 34 | 2 | 21.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843757 | 59.44 | 60.96 | 0.05 | 0 | 60 | 3 | 43.0 | 5 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843758 | 60.96 | 62.48 | 0.00 | 0 | 69 | 2 | 20.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843759 | 62.48 | 64.01 | 0.00 | 0 | 38 | 2 | 18.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843760 | 64.01 | 65.53 | 0.00 | 0 | 25 | 2 | 17.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | EOH due to ground conditio |

| |
|---|
| |
| |
| |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531394 | 7114706 | 1189 | 82.3 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-016**

**CLAIM:**

Contractor:

Drill: 1

Core Size:

Casing Depth:

Drilling Dates: Aug 04 - Aug 05, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | w843761 to w843814 |
| Total: | 54 |
| Batch: | |
| Certificates: | WH20172168 |

**COMMENTS**

Hole terminated at target depth

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | w843761 | 0.00 | 1.52 | 0.01 | 0 | 25 | 3 | 37.0 | 2 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| | w843762 | 1.52 | 3.05 | 0.01 | 0 | 47 | 6 | 39.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | w843763 | 3.05 | 4.57 | 0.01 | 0 | 103 | 8 | 41.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | open hole |
| | w843764 | 4.57 | 6.10 | 0.00 | 0 | 42 | 5 | 45.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | w843765 | 6.10 | 7.62 | 0.00 | 0 | 26 | 4 | 42.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | w843766 | 7.62 | 9.14 | 0.00 | 0 | 63 | 4 | 40.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | w843767 | 9.14 | 10.67 | 0.00 | 0 | 35 | 4 | 52.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | w843768 | 10.67 | 12.19 | 0.00 | 0 | 56 | 3 | 41.0 | 2 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | w843769 | 12.19 | 13.72 | 0.00 | 0 | 49 | 4 | 44.0 | 2 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | w843770 | 13.72 | 15.24 | 0.00 | 0 | 31 | 4 | 46.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | w843771 | 15.24 | 16.76 | 0.00 | 0 | 39 | 4 | 49.0 | 2 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | w843772 | 16.76 | 18.29 | 0.00 | 0 | 27 | 3 | 49.0 | 2 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | w843773 | 18.29 | 19.81 | 0.00 | 0 | 52 | 4 | 49.0 | 2 | 1.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | w843774 | 19.81 | 21.34 | 0.00 | 0 | 29 | 3 | 42.0 | 2 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | w843775 | 21.34 | 22.86 | 0.00 | 0 | 57 | 4 | 44.0 | 2 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | w843776 | 22.86 | 24.38 | 0.00 | 0 | 57 | 3 | 45.0 | 2 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | w843777 | 24.38 | 25.91 | 0.00 | 0 | 32 | 4 | 44.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | w843778 | 25.91 | 27.43 | 0.00 | 0 | 28 | 4 | 47.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | w843779 | 27.43 | 28.96 | 0.00 | 0 | 22 | 3 | 49.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | w843780 | 28.96 | 30.48 | 0.01 | 0 | 38 | 4 | 39.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | w843781 | 30.48 | 32.00 | 0.00 | 0 | 36 | 7 | 71.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | w843782 | 32.00 | 33.53 | 0.00 | 0 | 54 | 4 | 38.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | w843783 | 33.53 | 35.05 | 0.01 | 0 | 43 | 4 | 50.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | w843784 | 35.05 | 36.58 | 0.00 | 0 | 30 | 5 | 56.0 | 4 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | w843785 | 36.58 | 38.10 | 0.01 | 0 | 42 | 4 | 40.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | w843786 | 38.10 | 39.62 | 0.01 | 0 | 39 | 4 | 34.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | w843787 | 39.62 | 41.15 | 0.01 | 0 | 55 | 4 | 27.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | w843788 | 41.15 | 42.67 | 0.01 | 0 | 86 | 8 | 31.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | w84378 9 | 42.67 | 44.20 | 0.00 | 0 | 29 | 3 | 29.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | w84379 0 | 44.20 | 45.72 | 0.00 | 0 | 30 | 3 | 40.0 | 5 | 2.20 | ☐ | ☐ | ☐ | ☐ | water |
| | w84379 1 | 45.72 | 47.24 | 0.01 | 0 | 32 | 3 | 19.0 | 6 | 2.30 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84379 2 | 47.24 | 48.77 | 0.00 | 0 | 30 | 3 | 42.0 | 6 | 2.30 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84379 3 | 48.77 | 50.29 | 0.01 | 0 | 17 | 2 | 43.0 | 6 | 2.10 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84379 4 | 50.29 | 51.82 | 0.00 | 0 | 31 | 4 | 52.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84379 5 | 51.82 | 53.34 | 0.00 | 0 | 20 | 3 | 26.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84379 6 | 53.34 | 54.86 | 0.00 | 0 | 26 | 2 | 65.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84379 7 | 54.86 | 56.39 | 0.01 | 0 | 39 | 3 | 19.0 | 8 | 2.40 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84379 8 | 56.39 | 57.91 | 0.01 | 0 | 31 | 3 | 23.0 | 5 | 2.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84379 9 | 57.91 | 59.44 | 0.00 | 0 | 15 | 2 | 22.0 | 10 | 3.50 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84380 0 | 59.44 | 60.96 | 0.00 | 0 | 14 | 2 | 30.0 | 10 | 3.90 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84380 1 | 60.96 | 62.48 | 0.01 | 0 | 37 | 4 | 28.0 | 11 | 4.10 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84380 2 | 62.48 | 64.01 | 0.04 | 0 | 91 | 4 | 28.0 | 10 | 3.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w84380 3 | 64.01 | 65.53 | 0.01 | 0 | 60 | 3 | 20.0 | 9 | 3.50 | ☐ | ☐ | ☐ | ☐ | . water fines washed away |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | w843804 | 65.53 | 67.06 | 0.01 | 0 | 13 | 3 | 18.0 | 8 | 3.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w843805 | 67.06 | 68.58 | 0.00 | 0 | 9 | 2 | 23.0 | 9 | 3.40 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w843806 | 68.58 | 70.10 | 0.00 | 0 | 24 | 3 | 24.0 | 10 | 3.90 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w843807 | 70.10 | 71.63 | 0.00 | 0 | 15 | 3 | 25.0 | 8 | 3.10 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w843808 | 71.63 | 73.15 | 0.01 | 0 | 25 | 2 | 18.0 | 7 | 2.70 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w843809 | 73.15 | 74.68 | 0.01 | 0 | 58 | 3 | 21.0 | 6 | 2.50 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w843810 | 74.68 | 76.20 | 0.00 | 0 | 40 | 6 | 25.0 | 5 | 2.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w843811 | 76.20 | 77.72 | 0.00 | 0 | 63 | 4 | 28.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w843812 | 77.72 | 79.25 | 0.00 | 0 | 56 | 4 | 23.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w843813 | 79.25 | 80.77 | 0.00 | 0 | 57 | 3 | 27.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | w843814 | 80.77 | 82.30 | 0.00 | 0 | 38 | 3 | 24.0 | 4 | 1.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 532024 | 7114471 | 1219 | 82.3 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-017**

**CLAIM:**

Contractor:

Drill: 1

Core Size:

Casing Depth:

Drilling Dates: Aug 05 - Aug 06, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

| SUMMARY |
|---|

| SAMPLES | |
|---|---|
| Numbers: | W843815 to W843868 |
| Total: | 54 |
| Batch: | |
| Certificates: | WH20172168, WH20172180 |

| COMMENTS |
|---|
| Hole terminated at target depth. Zone from 120-205ft of pyrite and quartz |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843815 | 0.00 | 1.52 | 0.16 | 0 | 49 | 5 | 26.0 | 10 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843816 | 1.52 | 3.05 | 0.01 | 0 | 94 | 3 | 33.0 | 9 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843817 | 3.05 | 4.57 | 0.01 | 0 | 81 | 3 | 24.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843818 | 4.57 | 6.10 | 0.01 | 0 | 33 | 3 | 26.0 | 9 | 2.70 | ☐ | ☐ | ☐ | ☐ | open hole |
| | W843819 | 6.10 | 7.62 | 0.01 | 0 | 41 | 3 | 26.0 | 9 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843820 | 7.62 | 9.14 | 0.01 | 0 | 70 | 3 | 39.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843821 | 9.14 | 10.67 | 0.01 | 0 | 62 | 2 | 40.0 | 7 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843822 | 10.67 | 12.19 | 0.07 | 1 | 47 | 42 | 203.0 | 7 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843823 | 12.19 | 13.72 | 0.05 | 0 | 72 | 3 | 38.0 | 9 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843824 | 13.72 | 15.24 | 0.12 | 0 | 27 | 4 | 39.0 | 15 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843825 | 15.24 | 16.76 | 0.33 | 0 | 14 | 5 | 104.0 | 16 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843826 | 16.76 | 18.29 | 0.06 | 0 | 92 | 3 | 54.0 | 10 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843827 | 18.29 | 19.81 | 0.02 | 0 | 60 | 5 | 33.0 | 9 | 3.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843828 | 19.81 | 21.34 | 0.03 | 0 | 26 | 3 | 45.0 | 8 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843829 | 21.34 | 22.86 | 0.03 | 0 | 21 | 2 | 57.0 | 7 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843830 | 22.86 | 24.38 | 0.02 | 0 | 80 | 3 | 41.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | damp |
| | W843831 | 24.38 | 25.91 | 0.02 | 0 | 33 | 3 | 58.0 | 6 | 1.60 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843832 | 25.91 | 27.43 | 0.03 | 0 | 31 | 2 | 63.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843833 | 27.43 | 28.96 | 0.05 | 0 | 54 | 2 | 55.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843834 | 28.96 | 30.48 | 0.01 | 0 | 21 | 2 | 31.0 | 3 | 1.10 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843835 | 30.48 | 32.00 | 0.01 | 0 | 34 | 1 | 40.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843836 | 32.00 | 33.53 | 0.02 | 0 | 11 | 2 | 38.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843837 | 33.53 | 35.05 | 0.03 | 0 | 21 | 2 | 41.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843838 | 35.05 | 36.58 | 0.08 | 0 | 23 | 2 | 47.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843839 | 36.58 | 38.10 | 0.01 | 0 | 90 | 4 | 47.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843840 | 38.10 | 39.62 | 0.00 | 0 | 69 | 2 | 32.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843841 | 39.62 | 41.15 | 0.01 | 0 | 133 | 4 | 46.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843842 | 41.15 | 42.67 | 0.01 | 0 | 56 | 5 | 54.0 | 5 | 1.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843843 | 42.67 | 44.20 | 0.01 | 1 | 77 | 13 | 135.0 | 10 | 1.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843844 | 44.20 | 45.72 | 0.01 | 0 | 44 | 4 | 64.0 | 7 | 1.50 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843845 | 45.72 | 47.24 | 0.01 | 0 | 19 | 2 | 58.0 | 6 | 1.30 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843846 | 47.24 | 48.77 | 0.01 | 0 | 32 | 10 | 48.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843847 | 48.77 | 50.29 | 0.05 | 0 | 45 | 7 | 28.0 | 9 | 1.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843848 | 50.29 | 51.82 | 0.03 | 0 | 12 | 2 | 28.0 | 15 | 3.80 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843849 | 51.82 | 53.34 | 0.82 | 1 | 65 | 6 | 28.0 | 20 | 4.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843850 | 53.34 | 54.86 | 0.16 | 0 | 5 | 3 | 23.0 | 33 | 6.10 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843851 | 54.86 | 56.39 | 0.18 | 0 | 6 | 2 | 19.0 | 24 | 5.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843852 | 56.39 | 57.91 | 0.06 | 0 | 9 | 5 | 26.0 | 25 | 6.50 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843853 | 57.91 | 59.44 | 0.04 | 0 | 11 | 5 | 34.0 | 15 | 5.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843854 | 59.44 | 60.96 | 0.04 | 0 | 9 | 8 | 38.0 | 22 | 5.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843855 | 60.96 | 62.48 | 0.27 | 0 | 47 | 9 | 24.0 | 16 | 4.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843856 | 62.48 | 64.01 | 0.22 | 0 | 28 | 8 | 63.0 | 11 | 3.10 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843857 | 64.01 | 65.53 | 0.08 | 0 | 16 | 3 | 39.0 | 9 | 2.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843858 | 65.53 | 67.06 | 0.08 | 0 | 24 | 3 | 61.0 | 9 | 2.10 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843859 | 67.06 | 68.58 | 0.04 | 0 | 28 | 3 | 56.0 | 7 | 1.50 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843860 | 68.58 | 70.10 | 0.02 | 0 | 46 | 4 | 47.0 | 8 | 2.10 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843861 | 70.10 | 71.63 | 0.02 | 0 | 29 | 4 | 68.0 | 6 | 1.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843862 | 71.63 | 73.15 | 0.02 | 0 | 15 | 3 | 44.0 | 11 | 2.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843863 | 73.15 | 74.68 | 0.02 | 0 | 24 | 4 | 47.0 | 14 | 2.70 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843864 | 74.68 | 76.20 | 0.01 | 0 | 38 | 4 | 41.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843865 | 76.20 | 77.72 | 0.11 | 0 | 49 | 4 | 22.0 | 35 | 5.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843866 | 77.72 | 79.25 | 0.01 | 0 | 44 | 4 | 34.0 | 12 | 2.40 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843867 | 79.25 | 80.77 | 0.01 | 0 | 81 | 5 | 29.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away |
| | W843868 | 80.77 | 82.30 | 0.02 | 0 | 51 | 4 | 37.0 | 4 | 1.50 | ☐ | ☐ | ☐ | ☐ | water fines washed away. E |


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# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 532024 | 7114469 | 1219 | 76.2 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-018**

**CLAIM:**

Contractor:

Drill: 1

Core Size:

Casing Depth:

Drilling Dates: Aug 06 -

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W843870 to W843919 |
| Total: | 50 |
| Batch: | |
| Certificates: | WH20171203 |

**COMMENTS**

Large zone of massive pyrite in hole

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843870 | 0.00 | 1.52 | 0.13 | 0 | 11 | 7 | 22.0 | 13 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843871 | 1.52 | 3.05 | 0.15 | 0 | 5 | 3 | 15.0 | 11 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843872 | 3.05 | 4.57 | 0.05 | 0 | 7 | 3 | 19.0 | 11 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| | W843873 | 4.57 | 6.10 | 0.05 | 0 | 8 | 4 | 18.0 | 13 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843874 | 6.10 | 7.62 | 0.02 | 0 | 6 | 2 | 14.0 | 16 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843875 | 7.62 | 9.14 | 0.07 | 0 | 16 | 2 | 13.0 | 14 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843876 | 9.14 | 10.67 | 0.02 | 0 | 13 | 2 | 11.0 | 16 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843877 | 10.67 | 12.19 | 0.02 | 0 | 15 | 3 | 19.0 | 15 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843878 | 12.19 | 13.72 | 0.01 | 0 | 31 | 3 | 16.0 | 13 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843879 | 13.72 | 15.24 | 0.02 | 0 | 15 | 2 | 13.0 | 15 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843880 | 15.24 | 16.76 | 0.03 | 0 | 33 | 2 | 12.0 | 16 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843881 | 16.76 | 18.29 | 0.06 | 0 | 22 | 3 | 17.0 | 16 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843882 | 18.29 | 19.81 | 0.01 | 0 | 9 | 2 | 13.0 | 17 | 5.10 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843883 | 19.81 | 21.34 | 0.18 | 0 | 6 | 4 | 22.0 | 20 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843884 | 21.34 | 22.86 | 0.19 | 0 | 11 | 2 | 14.0 | 18 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843885 | 22.86 | 24.38 | 0.16 | 0 | 4 | 2 | 16.0 | 17 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843886 | 24.38 | 25.91 | 0.05 | 0 | 6 | 1 | 13.0 | 15 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843887 | 25.91 | 27.43 | 0.10 | 0 | 5 | 2 | 16.0 | 14 | 4.50 | ☐ | ☐ | ☐ | ☐ | damp low returns |
| | W843888 | 27.43 | 28.96 | 0.10 | 0 | 7 | 2 | 16.0 | 13 | 4.00 | ☐ | ☐ | ☐ | ☐ | damp low returns |
| | W843889 | 28.96 | 30.48 | 0.09 | 0 | 8 | 1 | 19.0 | 13 | 4.00 | ☐ | ☐ | ☐ | ☐ | damp low returns |
| | W843890 | 30.48 | 32.00 | 0.12 | 0 | 20 | 2 | 19.0 | 15 | 4.60 | ☐ | ☐ | ☐ | ☐ | damp low returns |
| | W843891 | 32.00 | 33.53 | 0.08 | 0 | 17 | 2 | 16.0 | 15 | 4.60 | ☐ | ☐ | ☐ | ☐ | damp |
| | W843892 | 33.53 | 35.05 | 0.13 | 0 | 14 | 2 | 15.0 | 13 | 5.30 | ☐ | ☐ | ☐ | ☐ | damp |
| | W843893 | 35.05 | 36.58 | 0.10 | 0 | 9 | 4 | 13.0 | 13 | 4.40 | ☐ | ☐ | ☐ | ☐ | damp low returns |
| | W843894 | 36.58 | 38.10 | 0.13 | 0 | 11 | 3 | 16.0 | 14 | 4.80 | ☐ | ☐ | ☐ | ☐ | damp |
| | W843895 | 38.10 | 39.62 | 0.19 | 0 | 9 | 2 | 24.0 | 12 | 3.70 | ☐ | ☐ | ☐ | ☐ | wet, very low returns |
| | W843896 | 39.62 | 41.15 | 0.63 | 0 | 16 | 3 | 27.0 | 12 | 3.70 | ☐ | ☐ | ☐ | ☐ | damp very low returns |
| | W843897 | 41.15 | 42.67 | 0.38 | 0 | 15 | 5 | 50.0 | 14 | 4.50 | ☐ | ☐ | ☐ | ☐ | water, heavy contamination from previously lost fines. |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843898 | 42.67 | 44.20 | 0.34 | 0 | 8 | 3 | 61.0 | 12 | 3.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away, si wall contamination |
| | W843899 | 44.20 | 45.72 | 0.26 | 0 | 8 | 3 | 53.0 | 11 | 2.80 | ☐ | ☐ | ☐ | ☐ | water fines washed away, si wall contamination |
| | W843900 | 45.72 | 47.24 | 0.35 | 0 | 8 | 3 | 52.0 | 9 | 2.50 | ☐ | ☐ | ☐ | ☐ | water fines washed away, si wall contamination |
| | W843901 | 47.24 | 48.77 | 0.38 | 0 | 7 | 3 | 53.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | water fines washed away, si wall contamination |
| | W843902 | 48.77 | 50.29 | 0.36 | 0 | 8 | 3 | 32.0 | 7 | 1.90 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843903 | 50.29 | 51.82 | 0.44 | 0 | 10 | 3 | 27.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843904 | 51.82 | 53.34 | 0.39 | 0 | 16 | 3 | 37.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843905 | 53.34 | 54.86 | 0.53 | 0 | 21 | 4 | 32.0 | 5 | 1.50 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843906 | 54.86 | 56.39 | 0.83 | 0 | 17 | 5 | 37.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843907 | 56.39 | 57.91 | 0.60 | 1 | 17 | 4 | 25.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843908 | 57.91 | 59.44 | 0.74 | 0 | 15 | 3 | 31.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843909 | 59.44 | 60.96 | 1.02 | 0 | 13 | 3 | 27.0 | 3 | 0.90 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination, low ret |
| | W843910 | 60.96 | 62.48 | 0.45 | 0 | 30 | 3 | 24.0 | 3 | 0.90 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843911 | 62.48 | 64.01 | 1.01 | 0 | 25 | 3 | 30.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |

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| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843912 | 64.01 | 65.53 | 0.34 | 0 | 25 | 3 | 22.0 | 4 | 1.10 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843913 | 65.53 | 67.06 | 0.41 | 0 | 29 | 3 | 30.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843914 | 67.06 | 68.58 | 0.43 | 0 | 25 | 3 | 26.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843915 | 68.58 | 70.10 | 0.57 | 0 | 26 | 3 | 25.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843916 | 70.10 | 71.63 | 0.43 | 0 | 31 | 4 | 24.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843917 | 71.63 | 73.15 | 0.32 | 0 | 22 | 3 | 25.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843918 | 73.15 | 74.68 | 0.39 | 0 | 17 | 3 | 28.0 | 5 | 1.50 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |
| | W843919 | 74.68 | 76.20 | 0.66 | 0 | 18 | 3 | 26.0 | 4 | 1.50 | ☐ | ☐ | ☐ | ☐ | water fines washed away si wall contamination |

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# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531826 | 7114180 | 1097 | 77.72 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-019**

**CLAIM:**

Contractor:

Drill: 1

Core Size:

Casing Depth:

Drilling Dates: Aug 07 - Aug 08, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W843920 to W843970 |
| Total: | 51 |
| Batch: | |
| Certificates: | WH20175558 |

**COMMENTS**

Terminated due to ground conditions

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843920 | 0.00 | 1.52 | 0.03 | 0 | 33 | 7 | 22.0 | 17 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843921 | 1.52 | 3.05 | 0.01 | 0 | 6 | 2 | 9.0 | 10 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843922 | 3.05 | 4.57 | 0.01 | 0 | 12 | 3 | 14.0 | 8 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843923 | 4.57 | 6.10 | 0.03 | 0 | 12 | 5 | 16.0 | 9 | 4.10 | ☐ | ☐ | ☐ | ☐ | open hole |
| | W843924 | 6.10 | 7.62 | 0.02 | 0 | 7 | 4 | 15.0 | 18 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843925 | 7.62 | 9.14 | 0.03 | 0 | 7 | 4 | 13.0 | 13 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843926 | 9.14 | 10.67 | 0.09 | 0 | 5 | 2 | 11.0 | 19 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843927 | 10.67 | 12.19 | 0.06 | 0 | 2 | 5 | 10.0 | 19 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843928 | 12.19 | 13.72 | 0.16 | 0 | 6 | 6 | 11.0 | 19 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843929 | 13.72 | 15.24 | 0.76 | 0 | 5 | 12 | 10.0 | 24 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| | W843930 | 15.24 | 16.76 | 0.43 | 0 | 6 | 7 | 8.0 | 24 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843931 | 16.76 | 18.29 | 0.10 | 0 | 2 | 6 | 6.0 | 21 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843932 | 18.29 | 19.81 | 0.08 | 0 | 2 | 4 | 6.0 | 17 | 4.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843933 | 19.81 | 21.34 | 0.09 | 0 | 14 | 5 | 16.0 | 21 | 6.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843934 | 21.34 | 22.86 | 0.10 | 0 | 17 | 6 | 16.0 | 21 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843935 | 22.86 | 24.38 | 0.38 | 0 | 14 | 11 | 17.0 | 16 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843936 | 24.38 | 25.91 | 1.63 | 1 | 7 | 20 | 14.0 | 10 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843937 | 25.91 | 27.43 | 0.35 | 0 | 9 | 25 | 15.0 | 23 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843938 | 27.43 | 28.96 | 0.17 | 0 | 9 | 15 | 15.0 | 16 | 6.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843939 | 28.96 | 30.48 | 0.23 | 0 | 12 | 6 | 12.0 | 15 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843940 | 30.48 | 32.00 | 0.15 | 0 | 15 | 5 | 14.0 | 13 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843941 | 32.00 | 33.53 | 0.11 | 0 | 23 | 5 | 14.0 | 10 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| | W843942 | 33.53 | 35.05 | 0.10 | 0 | 41 | 7 | 16.0 | 10 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843943 | 35.05 | 36.58 | 0.07 | 0 | 67 | 6 | 15.0 | 11 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843944 | 36.58 | 38.10 | 0.02 | 0 | 53 | 7 | 13.0 | 8 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843945 | 38.10 | 39.62 | 0.07 | 0 | 64 | 6 | 16.0 | 10 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843946 | 39.62 | 41.15 | 0.06 | 0 | 47 | 6 | 13.0 | 7 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W843947 | 41.15 | 42.67 | 0.12 | 0 | 21 | 10 | 22.0 | 9 | 3.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843948 | 42.67 | 44.20 | 0.06 | 0 | 24 | 3 | 10.0 | 11 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843949 | 44.20 | 45.72 | 0.14 | 0 | 51 | 70 | 117.0 | 8 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843950 | 45.72 | 47.24 | 0.07 | 0 | 33 | 13 | 21.0 | 5 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843951 | 47.24 | 48.77 | 0.05 | 0 | 103 | 20 | 28.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843952 | 48.77 | 50.29 | 0.05 | 0 | 115 | 17 | 23.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843953 | 50.29 | 51.82 | 0.03 | 0 | 74 | 11 | 18.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843954 | 51.82 | 53.34 | 0.05 | 0 | 68 | 13 | 18.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | wet |
| | W843955 | 53.34 | 54.86 | 0.07 | 0 | 60 | 10 | 15.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843956 | 54.86 | 56.39 | 0.09 | 0 | 53 | 9 | 16.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843957 | 56.39 | 57.91 | 0.05 | 0 | 61 | 8 | 16.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843958 | 57.91 | 59.44 | 0.07 | 0 | 45 | 5 | 13.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843959 | 59.44 | 60.96 | 0.06 | 0 | 27 | 7 | 18.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843960 | 60.96 | 62.48 | 0.09 | 0 | 39 | 6 | 15.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843961 | 62.48 | 64.01 | 0.08 | 0 | 25 | 5 | 12.0 | 8 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843962 | 64.01 | 65.53 | 0.12 | 0 | 21 | 5 | 10.0 | 8 | 2.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843963 | 65.53 | 67.06 | 0.14 | 0 | 28 | 5 | 12.0 | 8 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843964 | 67.06 | 68.58 | 0.09 | 0 | 24 | 5 | 12.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843965 | 68.58 | 70.10 | 0.12 | 0 | 26 | 5 | 12.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W843966 | 70.10 | 71.63 | 0.06 | 0 | 22 | 5 | 12.0 | 7 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843967 | 71.63 | 73.15 | 0.11 | 0 | 22 | 4 | 13.0 | 7 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843968 | 73.15 | 74.68 | 0.05 | 0 | 28 | 5 | 14.0 | 7 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843969 | 74.68 | 76.20 | 0.12 | 0 | 29 | 5 | 15.0 | 7 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843970 | 76.20 | 77.72 | 0.07 | 0 | 27 | 5 | 15.0 | 9 | 2.30 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531708 | 7114559 | 1209 | 50.29 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-020**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: BTW

Casing Depth:

Drilling Dates: Aug 29 - Aug 30, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W843971 to W844003 |
| Total: | 33 |
| Batch: | |
| Certificates: | WH20197169 |

**COMMENTS**

Terminated due to rumbling ground and air geyser.

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843971 | 0.00 | 1.52 | 0.12 | 0 | 15 | 5 | 17.0 | 9 | 42.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843972 | 1.52 | 3.05 | 0.13 | 0 | 18 | 4 | 11.0 | 10 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843973 | 3.05 | 4.57 | 0.13 | 0 | 31 | 5 | 10.0 | 10 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843974 | 4.57 | 6.10 | 0.03 | 0 | 70 | 3 | 13.0 | 9 | 37.80 | ☐ | ☐ | ☐ | ☐ | |
| | W843975 | 6.10 | 7.62 | 0.02 | 0 | 106 | 3 | 17.0 | 8 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843976 | 7.62 | 9.14 | 0.02 | 0 | 72 | 3 | 15.0 | 7 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| | W843977 | 9.14 | 10.67 | 0.02 | 0 | 89 | 3 | 13.0 | 7 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843978 | 10.67 | 12.19 | 0.02 | 0 | 71 | 3 | 24.0 | 9 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843979 | 12.19 | 13.72 | 0.03 | 0 | 63 | 3 | 19.0 | 8 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843980 | 13.72 | 15.24 | 0.10 | 0 | 27 | 5 | 18.0 | 8 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843981 | 15.24 | 16.76 | 0.07 | 0 | 33 | 6 | 17.0 | 7 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843982 | 16.76 | 18.29 | 0.03 | 0 | 64 | 5 | 19.0 | 9 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| | W843983 | 18.29 | 19.81 | 0.06 | 0 | 38 | 4 | 17.0 | 8 | 2.50 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843984 | 19.81 | 21.34 | 0.04 | 0 | 21 | 7 | 24.0 | 9 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843985 | 21.34 | 22.86 | 0.04 | 0 | 72 | 22 | 23.0 | 8 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W843986 | 22.86 | 24.38 | 0.07 | 0 | 89 | 8 | 18.0 | 6 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843987 | 24.38 | 25.91 | 0.04 | 0 | 68 | 6 | 17.0 | 7 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843988 | 25.91 | 27.43 | 0.02 | 0 | 69 | 4 | 18.0 | 6 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| | W843989 | 27.43 | 28.96 | 0.01 | 0 | 41 | 3 | 20.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843990 | 28.96 | 30.48 | 0.01 | 0 | 61 | 6 | 23.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843991 | 30.48 | 32.00 | 0.01 | 0 | 48 | 5 | 26.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W843992 | 32.00 | 33.53 | 0.01 | 0 | 51 | 5 | 23.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843993 | 33.53 | 35.05 | 0.01 | 0 | 53 | 5 | 20.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843994 | 35.05 | 36.58 | 0.01 | 0 | 47 | 5 | 41.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W843995 | 36.58 | 38.10 | 0.01 | 0 | 28 | 4 | 49.0 | 5 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W843996 | 38.10 | 39.62 | 0.01 | 0 | 33 | 5 | 51.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W843997 | 39.62 | 41.15 | 0.02 | 0 | 33 | 8 | 67.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W843998 | 41.15 | 42.67 | 0.01 | 0 | 37 | 7 | 56.0 | 4 | 1.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W843999 | 42.67 | 44.20 | 0.02 | 0 | 44 | 9 | 97.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844000 | 44.20 | 45.72 | 0.03 | 0 | 25 | 4 | 52.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844001 | 45.72 | 47.24 | 0.02 | 0 | 32 | 5 | 44.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844002 | 47.24 | 48.77 | 0.03 | 0 | 32 | 4 | 40.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844003 | 48.77 | 50.29 | 0.02 | 0 | 38 | 3 | 27.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531708 | 7114559 | 1209 | 83.82 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-021**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: NTW

Casing Depth:

Drilling Dates: Aug 30 - Sep 01, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W844004 to W844055 |
| Total: | 52 |
| Batch: | |
| Certificates: | WH20197169, WH20204440 |

**COMMENTS**

EOH at Target depth

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.00 | 4.57 | | | | | | | | ☐ | ☐ | ☐ | ☐ | |
| | W844004 | 4.57 | 6.10 | 0.01 | 0 | 35 | 5 | 33.0 | 4 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844005 | 6.10 | 7.62 | 0.02 | 0 | 52 | 4 | 24.0 | 2 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844006 | 7.62 | 9.14 | 0.03 | 0 | 50 | 3 | 25.0 | 5 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844007 | 9.14 | 10.67 | 0.01 | 0 | 33 | 3 | 57.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844008 | 10.67 | 12.19 | 0.01 | 0 | 38 | 3 | 56.0 | 3 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844009 | 12.19 | 13.72 | 0.02 | 0 | 34 | 3 | 25.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844010 | 13.72 | 15.24 | 0.04 | 0 | 36 | 3 | 29.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844011 | 15.24 | 16.76 | 0.03 | 0 | 36 | 4 | 15.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844012 | 16.76 | 18.29 | 0.02 | 0 | 31 | 3 | 17.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844013 | 18.29 | 19.81 | 0.04 | 0 | 38 | 4 | 13.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844014 | 19.81 | 21.34 | 0.09 | 0 | 49 | 5 | 13.0 | 5 | 25.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844015 | 21.34 | 22.86 | 0.17 | 0 | 49 | 5 | 13.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844016 | 22.86 | 24.38 | 0.25 | 0 | 45 | 6 | 13.0 | 7 | 2.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844017 | 24.38 | 25.91 | 0.13 | 0 | 43 | 5 | 21.0 | 6 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844018 | 25.91 | 27.43 | 0.07 | 0 | 49 | 8 | 28.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844019 | 27.43 | 28.96 | 0.06 | 0 | 48 | 6 | 26.0 | 6 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844020 | 28.96 | 30.48 | 0.16 | 0 | 42 | 5 | 20.0 | 7 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844021 | 30.48 | 32.00 | 0.10 | 0 | 37 | 5 | 21.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844022 | 32.00 | 33.53 | 0.05 | 0 | 36 | 4 | 20.0 | 7 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844023 | 33.53 | 35.05 | 0.16 | 0 | 26 | 4 | 21.0 | 9 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844024 | 35.05 | 36.58 | 0.07 | 0 | 29 | 4 | 23.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844025 | 36.58 | 38.10 | 0.07 | 0 | 32 | 5 | 23.0 | 6 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844026 | 38.10 | 39.62 | 0.06 | 0 | 37 | 4 | 16.0 | 6 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844027 | 39.62 | 41.15 | 0.02 | 0 | 31 | 7 | 256.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844028 | 41.15 | 42.67 | 0.03 | 0 | 95 | 4 | 40.0 | 4 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844029 | 42.67 | 44.20 | 0.02 | 0 | 32 | 2 | 29.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844030 | 44.20 | 45.72 | 0.03 | 0 | 33 | 2 | 23.0 | 5 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844031 | 45.72 | 47.24 | 0.02 | 0 | 52 | 3 | 18.0 | 5 | 2.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844032 | 47.24 | 48.77 | 0.06 | 0 | 62 | 3 | 18.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844033 | 48.77 | 50.29 | 0.02 | 0 | 123 | 3 | 34.0 | 5 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844034 | 50.29 | 51.82 | 0.02 | 0 | 82 | 3 | 27.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844035 | 51.82 | 53.34 | 0.03 | 0 | 67 | 3 | 22.0 | 4 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844036 | 53.34 | 54.86 | 0.03 | 0 | 82 | 3 | 21.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844037 | 54.86 | 56.39 | 0.03 | 0 | 53 | 2 | 14.0 | 6 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844038 | 56.39 | 57.91 | 0.04 | 0 | 73 | 3 | 19.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844039 | 57.91 | 59.44 | 0.07 | 0 | 65 | 3 | 17.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844040 | 59.44 | 60.96 | 0.04 | 0 | 53 | 3 | 22.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844041 | 60.96 | 62.48 | 0.03 | 0 | 46 | 3 | 19.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844042 | 62.48 | 64.01 | 0.02 | 0 | 73 | 3 | 20.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844043 | 64.01 | 65.53 | 0.05 | 0 | 94 | 2 | 16.0 | 6 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844044 | 65.53 | 67.06 | 0.04 | 0 | 53 | 2 | 15.0 | 7 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844045 | 67.06 | 68.58 | 0.03 | 0 | 97 | 3 | 17.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844046 | 68.58 | 70.10 | 0.06 | 0 | 126 | 4 | 20.0 | 5 | 2.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844047 | 70.10 | 71.63 | 0.05 | 0 | 148 | 4 | 18.0 | 6 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844048 | 71.63 | 73.15 | 0.09 | 0 | 123 | 4 | 17.0 | 6 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844049 | 73.15 | 74.68 | 0.06 | 0 | 102 | 4 | 19.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844050 | 74.68 | 76.20 | 0.03 | 0 | 65 | 3 | 23.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844051 | 76.20 | 77.72 | 0.02 | 0 | 50 | 3 | 23.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844052 | 77.72 | 79.25 | 0.01 | 0 | 45 | 3 | 20.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844053 | 79.25 | 80.77 | 0.02 | 0 | 68 | 4 | 31.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844054 | 80.77 | 82.30 | 0.02 | 0 | 68 | 4 | 30.0 | 6 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844055 | 82.30 | 83.82 | 0.02 | 0 | 53 | 6 | 58.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 530735 | 7114775 | 1140 | 77.72 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-022**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: NQ

Casing Depth:

Drilling Dates: Sep 02 - Sep 04, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W844086 to W844136 |
| Total: | 51 |
| Batch: | |
| Certificates: | WH20204440, WH20218087 |

**COMMENTS**

Terminated due to drill capabilities

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844086 | 0.00 | 1.52 | 0.01 | 0 | 60 | 6 | 76.0 | 3 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844087 | 1.52 | 3.05 | 0.00 | 0 | 61 | 6 | 88.0 | 4 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844088 | 3.05 | 4.57 | 0.00 | 0 | 39 | 11 | 70.0 | 3 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844089 | 4.57 | 6.10 | 0.01 | 0 | 25 | 12 | 65.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844090 | 6.10 | 7.62 | 0.00 | 0 | 45 | 9 | 91.0 | 4 | 36.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844091 | 7.62 | 9.14 | 0.01 | 0 | 66 | 8 | 62.0 | 4 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844092 | 9.14 | 10.67 | 0.01 | 0 | 100 | 4 | 51.0 | 4 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844093 | 10.67 | 12.19 | 0.01 | 0 | 78 | 7 | 45.0 | 2 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844094 | 12.19 | 13.72 | 0.01 | 0 | 72 | 5 | 53.0 | 4 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844095 | 13.72 | 15.24 | 0.01 | 0 | 63 | 6 | 69.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844096 | 15.24 | 16.76 | 0.00 | 0 | 51 | 16 | 66.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844097 | 16.76 | 18.29 | 0.00 | 0 | 39 | 5 | 75.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844098 | 18.29 | 19.81 | 0.00 | 0 | 39 | 4 | 60.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844099 | 19.81 | 21.34 | 0.00 | 0 | 36 | 5 | 71.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844100 | 21.34 | 22.86 | 0.00 | 0 | 34 | 4 | 65.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844101 | 22.86 | 24.38 | 0.00 | 0 | 38 | 4 | 65.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844102 | 24.38 | 25.91 | 0.00 | 0 | 44 | 4 | 63.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844103 | 25.91 | 27.43 | 0.01 | 0 | 83 | 5 | 60.0 | 3 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844104 | 27.43 | 28.96 | 0.00 | 0 | 41 | 4 | 60.0 | 3 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844105 | 28.96 | 30.48 | 0.00 | 0 | 54 | 4 | 55.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844106 | 30.48 | 32.00 | 0.01 | 0 | 55 | 6 | 59.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844107 | 32.00 | 33.53 | 0.00 | 0 | 56 | 7 | 68.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844108 | 33.53 | 35.05 | 0.00 | 0 | 25 | 5 | 63.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844109 | 35.05 | 36.58 | 0.00 | 0 | 65 | 5 | 56.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844110 | 36.58 | 38.10 | 0.01 | 0 | 51 | 5 | 58.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844111 | 38.10 | 39.62 | 0.00 | 0 | 38 | 4 | 48.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844112 | 39.62 | 41.15 | 0.00 | 0 | 34 | 3 | 50.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844113 | 41.15 | 42.67 | 0.00 | 0 | 38 | 4 | 56.0 | 2 | 1.50 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844114 | 42.67 | 44.20 | 0.00 | 0 | 45 | 3 | 50.0 | 2 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844115 | 44.20 | 45.72 | 0.00 | 0 | 51 | 3 | 43.0 | 2 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844116 | 45.72 | 47.24 | 0.00 | 0 | 51 | 3 | 44.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844117 | 47.24 | 48.77 | 0.00 | 0 | 64 | 4 | 45.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844118 | 48.77 | 50.29 | 0.01 | 0 | 67 | 4 | 53.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844119 | 50.29 | 51.82 | 0.00 | 0 | 58 | 4 | 60.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844120 | 51.82 | 53.34 | 0.00 | 0 | 54 | 4 | 55.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844121 | 53.34 | 54.86 | 0.00 | 0 | 56 | 4 | 57.0 | 3 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844122 | 54.86 | 56.39 | 0.00 | 0 | 42 | 4 | 63.0 | 3 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844123 | 56.39 | 57.91 | 0.00 | 0 | 58 | 5 | 65.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844124 | 57.91 | 59.44 | 0.00 | 0 | 63 | 5 | 66.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844125 | 59.44 | 60.96 | 0.01 | 0 | 46 | 6 | 70.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844126 | 60.96 | 62.48 | 0.00 | 0 | 51 | 6 | 67.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844127 | 62.48 | 64.01 | 0.00 | 0 | 47 | 5 | 63.0 | 3 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844128 | 64.01 | 65.53 | 0.00 | 0 | 43 | 4 | 57.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844129 | 65.53 | 67.06 | 0.00 | 0 | 36 | 5 | 59.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844130 | 67.06 | 68.58 | 0.00 | 0 | 45 | 6 | 71.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844131 | 68.58 | 70.10 | 0.00 | 0 | 45 | 6 | 67.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844132 | 70.10 | 71.63 | 0.00 | 0 | 38 | 4 | 64.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844133 | 71.63 | 73.15 | 0.00 | 0 | 40 | 4 | 56.0 | 3 | 6.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844134 | 73.15 | 74.68 | 0.00 | 0 | 41 | 4 | 53.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844135 | 74.68 | 76.20 | 0.00 | 0 | 52 | 4 | 55.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844136 | 76.20 | 77.72 | 0.00 | 0 | 57 | 4 | 56.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 530735 | 7114775 | 1140 | 56.39 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-023**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: NQ

Casing Depth:

Drilling Dates: Sep 04 - Sep 11, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W844056 to W844085, W844137 to W844141 |
| Total: | 35 |
| Batch: | |
| Certificates: | WH20204440, WH20218087 |

**COMMENTS**

Terminated due to hole cave after hole was attempted to continue onwards after a 5 day break

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844056 | 0.00 | 3.05 | 0.01 | 0 | 61 | 4 | 56.0 | 2 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844057 | 3.05 | 4.57 | 0.01 | 0 | 48 | 6 | 51.0 | 2 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844058 | 4.57 | 6.10 | 0.01 | 0 | 51 | 4 | 40.0 | 2 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844059 | 6.10 | 7.62 | 0.01 | 0 | 49 | 3 | 38.0 | 2 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844060 | 7.62 | 9.14 | 0.01 | 0 | 83 | 3 | 44.0 | 2 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844061 | 9.14 | 10.67 | 0.01 | 0 | 104 | 3 | 37.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844062 | 10.67 | 12.19 | 0.01 | 0 | 91 | 3 | 29.0 | 2 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844063 | 12.19 | 13.72 | 0.01 | 0 | 86 | 3 | 46.0 | 2 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844064 | 13.72 | 15.24 | 0.01 | 0 | 92 | 3 | 105.0 | 1 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844065 | 15.24 | 16.76 | 0.02 | 0 | 101 | 3 | 83.0 | 1 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844066 | 16.76 | 18.29 | 0.04 | 0 | 61 | 4 | 80.0 | 1 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844067 | 18.29 | 19.81 | 0.03 | 0 | 55 | 4 | 53.0 | 1 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844068 | 19.81 | 21.34 | 0.03 | 0 | 64 | 3 | 36.0 | 1 | 2.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844069 | 21.34 | 22.86 | 0.03 | 0 | 75 | 4 | 32.0 | 1 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844070 | 22.86 | 24.38 | 0.05 | 0 | 66 | 4 | 31.0 | 1 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844071 | 24.38 | 25.91 | 0.02 | 0 | 70 | 4 | 33.0 | 2 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844072 | 25.91 | 27.43 | 0.02 | 0 | 63 | 3 | 33.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844073 | 27.43 | 28.96 | 0.02 | 0 | 80 | 3 | 37.0 | 2 | 32.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844074 | 28.96 | 30.48 | 0.02 | 0 | 76 | 3 | 31.0 | 1 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844075 | 30.48 | 32.00 | 0.02 | 0 | 81 | 3 | 28.0 | 2 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844076 | 32.00 | 33.53 | 0.02 | 0 | 78 | 3 | 33.0 | 2 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844077 | 33.53 | 35.05 | 0.02 | 0 | 77 | 3 | 76.0 | 2 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844078 | 35.05 | 36.58 | 0.02 | 0 | 82 | 3 | 104.0 | 1 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844079 | 36.58 | 38.10 | 0.01 | 0 | 66 | 3 | 75.0 | 1 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844080 | 38.10 | 39.62 | 0.01 | 0 | 62 | 3 | 52.0 | 1 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844081 | 39.62 | 41.15 | 0.02 | 0 | 62 | 3 | 43.0 | 2 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844082 | 41.15 | 42.67 | 0.02 | 0 | 57 | 3 | 37.0 | 2 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844083 | 42.67 | 44.20 | 0.01 | 0 | 54 | 3 | 43.0 | 1 | 1.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844084 | 44.20 | 45.72 | 0.01 | 0 | 48 | 3 | 44.0 | 1 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844085 | 45.72 | 47.24 | 0.02 | 0 | 48 | 3 | 40.0 | 1 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844137 | 47.24 | 48.77 | 0.03 | 0 | 71 | 4 | 42.0 | 2 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844138 | 48.77 | 50.29 | 0.02 | 0 | 56 | 3 | 41.0 | 2 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | | 50.29 | 51.82 | | | | | | | | ☐ | ☐ | ☐ | ☐ | No sample. |
| | W844139 | 51.82 | 53.34 | 0.02 | 0 | 59 | 3 | 44.0 | 2 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844140 | 53.34 | 54.86 | 0.03 | 0 | 58 | 3 | 45.0 | 2 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844141 | 54.86 | 56.39 | 0.02 | 0 | 59 | 4 | 46.0 | 2 | 1.40 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 530440 | 7114345 | 946 | 53.34 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-024**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: NQ

Casing Depth:

Drilling Dates: Sep 12 - Sep 14, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W844142 to w844176 |
| Total: | 35 |
| Batch: | |
| Certificates: | WH20218087 |

**COMMENTS**

Terminated due to drilling conditions

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844142 | 0.00 | 1.52 | 0.04 | 0 | 101 | 11 | 64.0 | 5 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844143 | 1.52 | 3.05 | 0.06 | 0 | 79 | 9 | 55.0 | 6 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844144 | 3.05 | 4.57 | 0.06 | 0 | 88 | 7 | 40.0 | 5 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844145 | 4.57 | 6.10 | 0.02 | 0 | 61 | 6 | 42.0 | 6 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844146 | 6.10 | 7.62 | 0.01 | 0 | 69 | 7 | 34.0 | 7 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844147 | 7.62 | 9.14 | 0.02 | 0 | 55 | 6 | 28.0 | 7 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844148 | 9.14 | 10.67 | 0.02 | 0 | 76 | 10 | 46.0 | 6 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844149 | 10.67 | 12.19 | 0.04 | 0 | 29 | 5 | 36.0 | 9 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| | w844150 | 12.19 | 13.72 | 0.04 | 0 | 62 | 4 | 36.0 | 14 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| | w844151 | 13.72 | 15.24 | 0.11 | 0 | 51 | 7 | 35.0 | 12 | 8.60 | ☐ | ☐ | ☐ | ☐ | |
| | w844152 | 15.24 | 16.76 | 0.33 | 0 | 22 | 4 | 21.0 | 3 | 15.40 | ☐ | ☐ | ☐ | ☐ | |
| | w844153 | 16.76 | 18.29 | 0.16 | 0 | 20 | 2 | 24.0 | 17 | 6.90 | ☐ | ☐ | ☐ | ☐ | |
| | w844154 | 18.29 | 19.81 | 0.03 | 0 | 10 | 2 | 16.0 | 17 | 5.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | w844155 | 19.81 | 21.34 | 0.07 | 0 | 9 | 2 | 17.0 | 5 | 15.30 | ☐ | ☐ | ☐ | ☐ | |
| | w844156 | 21.34 | 22.86 | 0.98 | 0 | 7 | 2 | 15.0 | 10 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| | w844157 | 22.86 | 24.38 | 0.53 | 0 | 5 | 2 | 13.0 | 4 | 26.50 | ☐ | ☐ | ☐ | ☐ | |
| | w844158 | 24.38 | 25.91 | 0.20 | 0 | 6 | 2 | 11.0 | 6 | 13.10 | ☐ | ☐ | ☐ | ☐ | |
| | w844159 | 25.91 | 27.43 | 0.34 | 0 | 8 | 2 | 12.0 | 5 | 9.50 | ☐ | ☐ | ☐ | ☐ | |
| | w844160 | 27.43 | 28.96 | 0.10 | 0 | 5 | 3 | 12.0 | 4 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| | w844161 | 28.96 | 30.48 | 0.06 | 0 | 23 | 2 | 23.0 | 4 | 30.70 | ☐ | ☐ | ☐ | ☐ | |
| | w844162 | 30.48 | 32.00 | 0.57 | 1 | 9 | 4 | 15.0 | 8 | 67.60 | ☐ | ☐ | ☐ | ☐ | |
| | w844163 | 32.00 | 33.53 | 0.39 | 0 | 32 | 5 | 37.0 | 2 | 13.90 | ☐ | ☐ | ☐ | ☐ | |
| | w844164 | 33.53 | 35.05 | 0.10 | 0 | 18 | 4 | 27.0 | 2 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| | w844165 | 35.05 | 36.58 | 0.14 | 0 | 16 | 3 | 24.0 | 2 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| | w844166 | 36.58 | 38.10 | 0.25 | 0 | 23 | 2 | 30.0 | 2 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| | w844167 | 38.10 | 39.62 | 0.26 | 0 | 36 | 2 | 32.0 | 2 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| | w844168 | 39.62 | 41.15 | 0.04 | 0 | 38 | 2 | 37.0 | 4 | 8.60 | ☐ | ☐ | ☐ | ☐ | |
| | w844169 | 41.15 | 42.67 | 0.07 | 0 | 38 | 2 | 31.0 | 4 | 2.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | w844170 | 42.67 | 44.20 | 0.05 | 0 | 95 | 2 | 60.0 | 13 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| | w844171 | 44.20 | 45.72 | 0.06 | 0 | 79 | 3 | 50.0 | 11 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| | w844172 | 45.72 | 47.24 | 0.08 | 0 | 75 | 3 | 45.0 | 10 | 18.00 | ☐ | ☐ | ☐ | ☐ | |
| | w844173 | 47.24 | 48.77 | 0.38 | 0 | 80 | 3 | 46.0 | 10 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| | w844174 | 48.77 | 50.29 | 0.21 | 0 | 70 | 5 | 35.0 | 8 | 24.60 | ☐ | ☐ | ☐ | ☐ | |
| | w844175 | 50.29 | 51.82 | 0.37 | 0 | 75 | 5 | 42.0 | 9 | 80.40 | ☐ | ☐ | ☐ | ☐ | |
| | w844176 | 51.82 | 53.34 | 0.16 | 0 | 69 | 4 | 35.0 | 8 | 23.70 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 530440 | 7114345 | 949 | 65.53 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: ASR-20-025**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: NQ

Casing Depth:

Drilling Dates: Sep 15 - Sep 16, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W844177 to W844215 |
| Total: | 39 |
| Batch: | |
| Certificates: | WH20218087 |

**COMMENTS**

Terminated due to drilling conditions

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844177 | 0.00 | 7.62 | 0.02 | 0 | 68 | 6 | 28.0 | 4 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844178 | 7.62 | 9.14 | 0.04 | 0 | 93 | 6 | 31.0 | 3 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844179 | 9.14 | 10.67 | 0.02 | 0 | 60 | 6 | 30.0 | 4 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844180 | 10.67 | 12.19 | 0.02 | 0 | 67 | 6 | 34.0 | 4 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844181 | 12.19 | 13.72 | 0.02 | 0 | 95 | 11 | 39.0 | 4 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844182 | 13.72 | 15.24 | 0.01 | 0 | 72 | 7 | 31.0 | 4 | 9.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844183 | 15.24 | 16.76 | 0.01 | 0 | 75 | 4 | 47.0 | 5 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844184 | 16.76 | 18.29 | 0.01 | 0 | 197 | 7 | 22.0 | 4 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844185 | 18.29 | 19.81 | 0.01 | 0 | 115 | 6 | 38.0 | 4 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844186 | 19.81 | 21.34 | 0.01 | 0 | 66 | 4 | 69.0 | 4 | 21.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844187 | 21.34 | 22.86 | 0.01 | 0 | 103 | 5 | 53.0 | 4 | 7.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844188 | 22.86 | 24.38 | 0.01 | 0 | 136 | 9 | 61.0 | 4 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844189 | 24.38 | 25.91 | 0.01 | 0 | 183 | 7 | 40.0 | 4 | 3.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844190 | 25.91 | 27.43 | 0.01 | 0 | 98 | 9 | 80.0 | 5 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844191 | 27.43 | 28.96 | 0.01 | 0 | 117 | 8 | 50.0 | 4 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844192 | 28.96 | 30.48 | 0.01 | 0 | 88 | 6 | 53.0 | 4 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844193 | 30.48 | 32.00 | 0.01 | 0 | 52 | 5 | 38.0 | 3 | 8.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844194 | 32.00 | 33.53 | 0.01 | 0 | 58 | 7 | 36.0 | 3 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844195 | 33.53 | 35.05 | 0.01 | 0 | 57 | 6 | 33.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844196 | 35.05 | 36.58 | 0.01 | 0 | 56 | 4 | 25.0 | 4 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844197 | 36.58 | 38.10 | 0.01 | 0 | 67 | 4 | 26.0 | 4 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844198 | 38.10 | 39.62 | 0.01 | 0 | 67 | 3 | 32.0 | 4 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844199 | 39.62 | 41.15 | 0.01 | 0 | 79 | 3 | 31.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844200 | 41.15 | 42.67 | 0.02 | 0 | 71 | 3 | 26.0 | 4 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844201 | 42.67 | 44.20 | 0.02 | 0 | 76 | 3 | 28.0 | 4 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844202 | 44.20 | 45.72 | 0.02 | 0 | 116 | 2 | 23.0 | 4 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844203 | 45.72 | 47.24 | 0.02 | 0 | 110 | 3 | 24.0 | 4 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844204 | 47.24 | 48.77 | 0.01 | 0 | 72 | 2 | 35.0 | 4 | 2.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844205 | 48.77 | 50.29 | 0.01 | 0 | 52 | 2 | 45.0 | 4 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844206 | 50.29 | 51.82 | 0.01 | 0 | 64 | 3 | 43.0 | 4 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844207 | 51.82 | 53.34 | 0.01 | 0 | 73 | 3 | 41.0 | 4 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844208 | 53.34 | 54.86 | 0.01 | 0 | 71 | 3 | 44.0 | 9 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844209 | 54.86 | 56.39 | 0.05 | 0 | 26 | 3 | 13.0 | 11 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844210 | 56.39 | 57.91 | 0.03 | 0 | 44 | 3 | 15.0 | 13 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844211 | 57.91 | 59.44 | 0.06 | 0 | 31 | 4 | 15.0 | 13 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844212 | 59.44 | 60.96 | 0.11 | 0 | 17 | 3 | 23.0 | 12 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844213 | 60.96 | 62.48 | 0.07 | 0 | 51 | 11 | 40.0 | 9 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844214 | 62.48 | 64.01 | 0.03 | 0 | 19 | 34 | 53.0 | 7 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844215 | 64.01 | 65.53 | 0.01 | 0 | 13 | 6 | 40.0 | 6 | 6.30 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 525763 | 7121884 | 1392 | 83.82 |

**ZONE:** Puma

**SECTION:**

**HOLE: PMR-20-001**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: NQ

Casing Depth:

Drilling Dates: Sep 22 - Sep 26, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W844379 to W844433 |
| Total: | 55 |
| Batch: | |
| Certificates: | WH20227736, WH20227752 |

**COMMENTS**

Hole ended at target depth

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844379 | 0.00 | 1.52 | 0.03 | 3 | 58 | 424 | 496.0 | 1 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844380 | 1.52 | 3.05 | 0.01 | 1 | 27 | 388 | 250.0 | 1 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844381 | 3.05 | 4.57 | 0.01 | 2 | 26 | 235 | 398.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844382 | 4.57 | 6.10 | 0.01 | 1 | 10 | 86 | 112.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844383 | 6.10 | 7.62 | 0.01 | 1 | 9 | 53 | 111.0 | 0 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844384 | 7.62 | 9.14 | 0.01 | 1 | 7 | 313 | 559.0 | 0 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844385 | 9.14 | 10.67 | 0.01 | 0 | 4 | 64 | 168.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844386 | 10.67 | 12.19 | 0.01 | 0 | 3 | 59 | 118.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844387 | 12.19 | 13.72 | 0.01 | 0 | 3 | 71 | 185.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844388 | 13.72 | 15.24 | 0.02 | 0 | 3 | 53 | 143.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844389 | 15.24 | 16.76 | 0.01 | 0 | 5 | 61 | 252.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844390 | 16.76 | 18.29 | 0.03 | 1 | 23 | 116 | 661.0 | 0 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844391 | 18.29 | 19.81 | 0.01 | 0 | 7 | 54 | 280.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844392 | 19.81 | 21.34 | 0.01 | 0 | 5 | 65 | 245.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844393 | 21.34 | 22.86 | 0.01 | 0 | 4 | 90 | 449.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844394 | 22.86 | 24.38 | 0.01 | 2 | 9 | 333 | 1060.0 | 1 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844395 | 24.38 | 25.91 | 0.01 | 0 | 5 | 136 | 440.0 | 0 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844396 | 25.91 | 27.43 | 0.00 | 0 | 3 | 58 | 161.0 | 0 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844397 | 27.43 | 28.96 | 0.00 | 0 | 3 | 36 | 109.0 | 0 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844398 | 28.96 | 30.48 | 0.01 | 0 | 2 | 33 | 119.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844399 | 30.48 | 32.00 | 0.00 | 0 | 3 | 56 | 184.0 | 0 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844400 | 32.00 | 33.53 | 0.01 | 0 | 2 | 40 | 148.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844401 | 33.53 | 35.05 | 0.00 | 0 | 2 | 14 | 64.0 | 0 | 0.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844402 | 35.05 | 36.58 | 0.00 | 0 | 3 | 13 | 54.0 | 0 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844403 | 36.58 | 38.10 | 0.00 | 0 | 3 | 16 | 48.0 | 0 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844404 | 38.10 | 39.62 | 0.00 | 0 | 3 | 9 | 33.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844405 | 39.62 | 41.15 | 0.00 | 0 | 3 | 21 | 82.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844406 | 41.15 | 42.67 | 0.01 | 0 | 4 | 36 | 167.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844407 | 42.67 | 44.20 | 0.01 | 1 | 7 | 63 | 439.0 | 0 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844408 | 44.20 | 45.72 | 0.01 | 0 | 4 | 29 | 209.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844409 | 45.72 | 47.24 | 0.01 | 0 | 5 | 53 | 270.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844410 | 47.24 | 48.77 | 0.00 | 0 | 5 | 45 | 280.0 | 0 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844411 | 48.77 | 50.29 | 0.00 | 0 | 4 | 26 | 212.0 | 0 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844412 | 50.29 | 51.82 | 0.00 | 0 | 3 | 43 | 247.0 | 0 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844413 | 51.82 | 53.34 | 0.00 | 0 | 3 | 53 | 371.0 | 0 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844414 | 53.34 | 54.86 | 0.01 | 1 | 6 | 168 | 915.0 | 0 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844415 | 54.86 | 56.39 | 0.01 | 2 | 9 | 1260 | 4470.0 | 1 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844416 | 56.39 | 57.91 | 0.00 | 1 | 12 | 1050 | 1770.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844417 | 57.91 | 59.44 | 0.00 | 1 | 5 | 467 | 716.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844418 | 59.44 | 60.96 | 0.00 | 0 | 3 | 119 | 321.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844419 | 60.96 | 62.48 | 0.00 | 0 | 3 | 109 | 336.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844420 | 62.48 | 64.01 | 0.00 | 1 | 4 | 205 | 540.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844421 | 64.01 | 65.53 | 0.00 | 0 | 3 | 82 | 270.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844422 | 65.53 | 67.06 | 0.00 | 0 | 2 | 47 | 172.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844423 | 67.06 | 68.58 | 0.00 | 0 | 3 | 70 | 206.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844424 | 68.58 | 70.10 | 0.00 | 0 | 3 | 56 | 242.0 | 0 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844425 | 70.10 | 71.63 | 0.00 | 1 | 4 | 117 | 436.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844426 | 71.63 | 73.15 | 0.00 | 2 | 5 | 283 | 689.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844427 | 73.15 | 74.68 | 0.01 | 2 | 6 | 277 | 757.0 | 0 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844428 | 74.68 | 76.20 | 0.00 | 1 | 4 | 205 | 378.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844429 | 76.20 | 77.72 | 0.00 | 1 | 4 | 226 | 399.0 | 0 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844430 | 77.72 | 79.25 | 0.01 | 0 | 3 | 109 | 233.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844431 | 79.25 | 80.77 | 0.01 | 0 | 3 | 95 | 223.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844432 | 80.77 | 82.30 | 0.00 | 0 | 3 | 111 | 230.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844433 | 82.30 | 83.82 | 0.00 | 0 | 3 | 110 | 219.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 525763 | 7121884 | 1392 | 83.82 |

**ZONE:** Puma

**SECTION:**

**HOLE: PMR-20-002**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: NQ

Casing Depth:

Drilling Dates: Sep 26 - Sep 28, 2020

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W844434 to W844482 |
| Total: | 49 |
| Batch: | |
| Certificates: | WH20227752, WH20227766 |

**COMMENTS**

Hole ended at target depth

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.00 | 9.14 | | | | | | | | ☐ | ☐ | ☐ | ☐ | |
| | W844434 | 9.14 | 10.67 | 0.04 | 2 | 57 | 307 | 520.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844435 | 10.67 | 12.19 | 0.03 | 2 | 49 | 308 | 498.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844436 | 12.19 | 13.72 | 0.01 | 2 | 21 | 1070 | 1470.0 | 0 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844437 | 13.72 | 15.24 | 0.02 | 2 | 24 | 583 | 635.0 | 0 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844438 | 15.24 | 16.76 | 0.01 | 2 | 17 | 479 | 566.0 | 0 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844439 | 16.76 | 18.29 | 0.01 | 1 | 11 | 377 | 527.0 | 0 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844440 | 18.29 | 19.81 | 0.00 | 0 | 6 | 149 | 256.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844441 | 19.81 | 21.34 | 0.00 | 1 | 28 | 170 | 304.0 | 0 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844442 | 21.34 | 22.86 | 0.01 | 1 | 10 | 231 | 300.0 | 0 | 11.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844443 | 22.86 | 24.38 | 0.01 | 1 | 46 | 128 | 531.0 | 1 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844444 | 24.38 | 25.91 | 0.01 | 1 | 25 | 134 | 401.0 | 1 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844445 | 25.91 | 27.43 | 0.00 | 1 | 12 | 140 | 319.0 | 0 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844446 | 27.43 | 28.96 | 0.00 | 0 | 7 | 53 | 140.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844447 | 28.96 | 30.48 | 0.01 | 1 | 52 | 276 | 634.0 | 5 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844448 | 30.48 | 32.00 | 0.01 | 1 | 35 | 104 | 492.0 | 5 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844449 | 32.00 | 33.53 | 0.01 | 1 | 33 | 163 | 628.0 | 9 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844450 | 33.53 | 35.05 | 0.00 | 1 | 118 | 252 | 905.0 | 3 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844451 | 35.05 | 36.58 | 0.00 | 3 | 141 | 567 | 1270.0 | 2 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844452 | 36.58 | 38.10 | 0.00 | 3 | 107 | 574 | 1160.0 | 2 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844453 | 38.10 | 39.62 | 0.00 | 3 | 110 | 604 | 1690.0 | 2 | 6.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844454 | 39.62 | 41.15 | 0.01 | 3 | 190 | 687 | 3010.0 | 2 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844455 | 41.15 | 42.67 | 0.01 | 4 | 86 | 680 | 2160.0 | 2 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844456 | 42.67 | 44.20 | 0.00 | 1 | 116 | 343 | 1340.0 | 3 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844457 | 44.20 | 45.72 | 0.00 | 1 | 104 | 148 | 1300.0 | 2 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844458 | 45.72 | 47.24 | 0.00 | 1 | 110 | 138 | 1060.0 | 2 | 24.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844459 | 47.24 | 48.77 | 0.00 | 0 | 97 | 90 | 673.0 | 2 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844460 | 48.77 | 50.29 | 0.01 | 1 | 110 | 152 | 761.0 | 2 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844461 | 50.29 | 51.82 | 0.01 | 1 | 65 | 148 | 656.0 | 1 | 2.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844462 | 51.82 | 53.34 | 0.01 | 1 | 68 | 122 | 1140.0 | 2 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844463 | 53.34 | 54.86 | 0.01 | 1 | 21 | 81 | 591.0 | 1 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844464 | 54.86 | 56.39 | 0.00 | 0 | 10 | 82 | 278.0 | 0 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844465 | 56.39 | 57.91 | 0.01 | 2 | 26 | 331 | 1920.0 | 0 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844466 | 57.91 | 59.44 | 0.00 | 0 | 8 | 102 | 514.0 | 0 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844467 | 59.44 | 60.96 | 0.00 | 0 | 11 | 82 | 379.0 | 0 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844468 | 60.96 | 62.48 | 0.00 | 0 | 6 | 82 | 342.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844469 | 62.48 | 64.01 | 0.00 | 0 | 7 | 53 | 217.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844470 | 64.01 | 65.53 | 0.00 | 0 | 6 | 106 | 392.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844471 | 65.53 | 67.06 | 0.00 | 0 | 5 | 77 | 262.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844472 | 67.06 | 68.58 | 0.01 | 0 | 6 | 141 | 489.0 | 0 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844473 | 68.58 | 70.10 | 0.00 | 0 | 7 | 76 | 322.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844474 | 70.10 | 71.63 | 0.00 | 0 | 4 | 70 | 237.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844475 | 71.63 | 73.15 | 0.00 | 0 | 5 | 55 | 195.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844476 | 73.15 | 74.68 | 0.00 | 0 | 9 | 51 | 200.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844477 | 74.68 | 76.20 | 0.00 | 0 | 7 | 48 | 230.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844478 | 76.20 | 77.72 | 0.01 | 0 | 6 | 90 | 341.0 | 0 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844479 | 77.72 | 79.25 | 0.00 | 0 | 8 | 132 | 443.0 | 0 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844480 | 79.25 | 80.77 | 0.00 | 0 | 17 | 73 | 275.0 | 0 | 99.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844481 | 80.77 | 82.30 | 0.00 | 0 | 4 | 55 | 179.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844482 | 82.30 | 83.82 | 0.01 | 1 | 6 | 134 | 397.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 525901 | 7121882 | 1312 | 51.82 |

**ZONE:** Puma

**SECTION:**

**HOLE: PMR-20-003**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: NQ

Casing Depth:

Drilling Dates: -

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W844483 to W844515 |
| Total: | 33 |
| Batch: | |
| Certificates: | WH20227766 |

**COMMENTS**

Hole ended due to poor recovery after intersecting water

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844483 | 0.00 | 3.05 | 0.01 | 1 | 9 | 106 | 259.0 | 0 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844484 | 3.05 | 4.57 | 0.00 | 0 | 5 | 51 | 239.0 | 0 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844485 | 4.57 | 6.10 | 0.00 | 0 | 3 | 20 | 96.0 | 0 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844486 | 6.10 | 7.62 | 0.00 | 0 | 2 | 8 | 61.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844487 | 7.62 | 9.14 | 0.00 | 0 | 3 | 23 | 132.0 | 0 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844488 | 9.14 | 10.67 | 0.00 | 0 | 2 | 54 | 142.0 | 0 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844489 | 10.67 | 12.19 | 0.00 | 0 | 2 | 22 | 98.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844490 | 12.19 | 13.72 | 0.00 | 0 | 1 | 15 | 88.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844491 | 13.72 | 15.24 | 0.00 | 0 | 1 | 16 | 64.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844492 | 15.24 | 16.76 | 0.00 | 0 | 3 | 62 | 134.0 | 0 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844493 | 16.76 | 18.29 | 0.01 | 0 | 2 | 19 | 114.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844494 | 18.29 | 19.81 | 0.00 | 0 | 1 | 7 | 60.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844495 | 19.81 | 21.34 | 0.03 | 0 | 24 | 14 | 100.0 | 2 | 12.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844496 | 21.34 | 22.86 | 0.05 | 1 | 50 | 13 | 129.0 | 2 | 14.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844497 | 22.86 | 24.38 | 0.00 | 0 | 2 | 21 | 88.0 | 0 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844498 | 24.38 | 25.91 | 0.00 | 0 | 1 | 48 | 82.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844499 | 25.91 | 27.43 | 0.01 | 2 | 5 | 432 | 341.0 | 0 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844500 | 27.43 | 28.96 | 0.01 | 1 | 2 | 257 | 339.0 | 0 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844501 | 28.96 | 30.48 | 0.00 | 1 | 3 | 65 | 129.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844502 | 30.48 | 32.00 | 0.00 | 0 | 2 | 18 | 92.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844503 | 32.00 | 33.53 | 0.00 | 0 | 1 | 14 | 74.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844504 | 33.53 | 35.05 | 0.00 | 0 | 1 | 7 | 38.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844505 | 35.05 | 36.58 | 0.00 | 0 | 1 | 24 | 116.0 | 0 | 0.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844506 | 36.58 | 38.10 | 0.01 | 0 | 2 | 24 | 93.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844507 | 38.10 | 39.62 | 0.00 | 0 | 2 | 59 | 149.0 | 0 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844508 | 39.62 | 41.15 | 0.00 | 35 | 20 | 471 | 682.0 | 0 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844509 | 41.15 | 42.67 | 0.01 | 45 | 27 | 425 | 858.0 | 0 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844510 | 42.67 | 44.20 | 0.01 | 4 | 4 | 113 | 275.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844511 | 44.20 | 45.72 | 0.01 | 24 | 17 | 325 | 456.0 | 0 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| | W844512 | 45.72 | 47.24 | 0.01 | 26 | 21 | 388 | 553.0 | 0 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844513 | 47.24 | 48.77 | 0.01 | 11 | 15 | 225 | 316.0 | 1 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844514 | 48.77 | 50.29 | 0.02 | 6 | 13 | 148 | 213.0 | 1 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844515 | 50.29 | 51.82 | 0.01 | 7 | 10 | 143 | 178.0 | 0 | 2.80 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 525901 | 7121882 | 1312 | 56.39 |

**ZONE:** Puma

**SECTION:**

**HOLE: PMR-20-004**

**CLAIM:**

Contractor: Superior

Drill: 1

Core Size: NQ

Casing Depth:

Drilling Dates: -

Geology Logged By: R. Tablet

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| | | | |
| | | | |

**TARGET:**

**SUMMARY**

| SAMPLES | |
|---|---|
| Numbers: | W844516 to W844552 |
| Total: | 37 |
| Batch: | |
| Certificates: | WH20227766 |

**COMMENTS**

Hole ended due to end of season demobe

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ☐ | | | | ☐ | ☐ | ☐ |

# Sample Results



Archer, Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844516 | 0.00 | 1.52 | 0.06 | 2 | 70 | 230 | 663.0 | 5 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844517 | 1.52 | 3.05 | 0.04 | 1 | 47 | 269 | 572.0 | 3 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844518 | 3.05 | 4.57 | 0.02 | 1 | 39 | 163 | 485.0 | 1 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844519 | 4.57 | 6.10 | 0.01 | 1 | 7 | 102 | 288.0 | 1 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| | W844520 | 6.10 | 7.62 | 0.01 | 1 | 11 | 123 | 330.0 | 0 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844521 | 7.62 | 9.14 | 0.00 | 0 | 3 | 18 | 89.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844522 | 9.14 | 10.67 | 0.00 | 0 | 4 | 23 | 105.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844523 | 10.67 | 12.19 | 0.00 | 0 | 3 | 10 | 51.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844524 | 12.19 | 13.72 | 0.00 | 0 | 5 | 17 | 72.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844525 | 13.72 | 15.24 | 0.00 | 0 | 4 | 22 | 111.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844526 | 15.24 | 16.76 | 0.01 | 0 | 4 | 32 | 126.0 | 0 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844527 | 16.76 | 18.29 | 0.01 | 2 | 11 | 192 | 388.0 | 1 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| | W844528 | 18.29 | 19.81 | 0.01 | 23 | 57 | 781 | 1820.0 | 0 | 3.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844529 | 19.81 | 21.34 | 0.01 | 5 | 26 | 369 | 743.0 | 0 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844530 | 21.34 | 22.86 | 0.00 | 3 | 11 | 172 | 403.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844531 | 22.86 | 24.38 | 0.00 | 2 | 6 | 118 | 345.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844532 | 24.38 | 25.91 | 0.00 | 1 | 5 | 76 | 228.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844533 | 25.91 | 27.43 | 0.01 | 1 | 4 | 59 | 201.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844534 | 27.43 | 28.96 | 0.01 | 1 | 5 | 148 | 635.0 | 0 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| | W844535 | 28.96 | 30.48 | 0.00 | 0 | 3 | 48 | 165.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844536 | 30.48 | 32.00 | 0.00 | 0 | 2 | 42 | 172.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844537 | 32.00 | 33.53 | 0.01 | 1 | 4 | 175 | 290.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844538 | 33.53 | 35.05 | 0.01 | 1 | 4 | 210 | 407.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844539 | 35.05 | 36.58 | 0.00 | 0 | 4 | 50 | 248.0 | 0 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| | W844540 | 36.58 | 38.10 | 0.00 | 0 | 3 | 26 | 109.0 | 0 | 0.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844541 | 38.10 | 39.62 | 0.00 | 0 | 2 | 43 | 120.0 | 0 | 0.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844542 | 39.62 | 41.15 | 0.01 | 0 | 2 | 65 | 223.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| | W844543 | 41.15 | 42.67 | 0.00 | 0 | 2 | 31 | 134.0 | 0 | 0.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W844544 | 42.67 | 44.20 | 0.00 | 0 | 2 | 21 | 96.0 | 0 | 0.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844545 | 44.20 | 45.72 | 0.01 | 0 | 2 | 36 | 157.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844546 | 45.72 | 47.24 | 0.00 | 0 | 2 | 30 | 203.0 | 0 | 0.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844547 | 47.24 | 48.77 | 0.00 | 0 | 2 | 36 | 175.0 | 0 | 0.10 | ☐ | ☐ | ☐ | ☐ | |
| | W844548 | 48.77 | 50.29 | 0.01 | 0 | 1 | 23 | 136.0 | 0 | 0.20 | ☐ | ☐ | ☐ | ☐ | |
| | W844549 | 50.29 | 51.82 | 0.00 | 0 | 2 | 44 | 157.0 | 0 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844550 | 51.82 | 53.34 | 0.00 | 0 | 2 | 7 | 35.0 | 0 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| | W844551 | 53.34 | 54.86 | 0.00 | 0 | 2 | 9 | 51.0 | 0 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| | W844552 | 54.86 | 56.39 | 0.01 | 1 | 3 | 140 | 213.0 | 0 | 0.60 | ☐ | ☐ | ☐ | ☐ | |

## APPENDIX IX

## RAB DRILLING – CERTIFICATES OF ANALYSIS

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www.alsglobal.com/geochemistry

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


**Finalized Date: 7-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20165305

Project: Rau

P.O. No.: R20-B01

This report is for 107 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W845101 | | 0.79 | 0.09 | 4.37 | 105.5 | 1020 | 1.25 | 1.32 | 5.82 | 0.38 | 56.7 | 7.5 | 53 | 2.31 | 17.3 | 3.02 |
| W845102 | | 1.86 | 0.11 | 4.86 | 124.5 | 1190 | 1.18 | 2.26 | 8.99 | 0.26 | 57.2 | 15.3 | 51 | 2.41 | 37.8 | 4.21 |
| W845103 | | 2.20 | 0.13 | 6.05 | 33.2 | 1920 | 1.71 | 0.60 | 7.11 | 0.25 | 80.2 | 13.8 | 49 | 5.00 | 38.0 | 4.59 |
| W845104 | | 2.33 | 0.11 | 6.96 | 19.4 | 2260 | 1.95 | 0.33 | 2.50 | 0.18 | 81.3 | 17.3 | 53 | 6.25 | 45.3 | 5.81 |
| W845105 | | 2.48 | 0.15 | 7.64 | 23.1 | 2400 | 2.18 | 0.78 | 0.81 | 0.13 | 85.8 | 17.2 | 99 | 6.32 | 67.7 | 6.04 |
| W845106 | | 2.29 | 0.22 | 8.38 | 21.2 | 2720 | 2.54 | 0.95 | 0.54 | 0.14 | 117.0 | 22.2 | 109 | 8.35 | 82.3 | 7.20 |
| W845107 | | 2.32 | 0.18 | 8.54 | 8.0 | 3040 | 2.61 | 0.60 | 0.38 | 0.07 | 109.5 | 8.2 | 104 | 8.31 | 44.7 | 4.57 |
| W845108 | | 2.46 | 0.23 | 8.82 | 17.0 | 2910 | 2.72 | 0.91 | 0.55 | 0.08 | 110.5 | 13.7 | 98 | 8.17 | 51.7 | 5.35 |
| W845109 | | 3.13 | 0.18 | 8.84 | 24.6 | 2830 | 2.62 | 0.36 | 0.98 | 0.26 | 113.0 | 31.6 | 93 | 6.28 | 56.9 | 5.03 |
| W845110 | | 2.78 | 0.21 | 8.75 | 23.4 | 2830 | 2.58 | 0.72 | 0.66 | 0.22 | 106.5 | 36.8 | 100 | 7.24 | 60.7 | 6.34 |
| W845111 | | 2.63 | 0.24 | 8.06 | 12.7 | 2630 | 2.48 | 0.68 | 0.46 | 0.11 | 102.5 | 18.5 | 96 | 6.84 | 148.0 | 5.54 |
| W845112 | | 2.36 | 0.19 | 7.79 | 13.2 | 2560 | 2.38 | 0.57 | 0.40 | 0.29 | 84.9 | 23.6 | 100 | 6.72 | 99.7 | 5.65 |
| W845113 | | 2.59 | 0.12 | 7.14 | 13.6 | 2550 | 2.25 | 0.27 | 2.41 | 0.31 | 97.6 | 23.6 | 51 | 5.61 | 51.0 | 5.26 |
| W845114 | | 2.58 | 0.10 | 7.34 | 11.5 | 2530 | 2.09 | 0.15 | 1.42 | 0.25 | 110.0 | 15.7 | 51 | 5.80 | 32.0 | 5.31 |
| W845115 | | 2.68 | 0.10 | 7.58 | 43.3 | 2730 | 2.36 | 0.20 | 2.51 | 0.23 | 99.3 | 36.4 | 58 | 6.73 | 34.9 | 4.99 |
| W845116 | | 3.19 | 0.12 | 4.32 | 102.5 | 1220 | 1.24 | 1.81 | 12.35 | 0.35 | 56.8 | 11.1 | 46 | 2.42 | 27.0 | 3.49 |
| W845117 | | 2.83 | 0.10 | 3.98 | 122.5 | 1260 | 1.17 | 2.18 | 12.50 | 0.31 | 54.2 | 10.3 | 49 | 2.40 | 22.8 | 3.01 |
| W845118 | | 2.77 | 0.23 | 4.81 | 84.9 | 1430 | 1.25 | 3.26 | 8.65 | 0.32 | 62.0 | 12.3 | 52 | 3.36 | 31.5 | 3.88 |
| W845119 | | 2.99 | 0.09 | 7.55 | 36.8 | 2550 | 2.04 | 0.24 | 1.94 | 0.21 | 106.0 | 21.9 | 50 | 6.87 | 19.8 | 5.54 |
| W845120 | | 2.77 | 0.10 | 7.76 | 23.3 | 2660 | 2.21 | 0.27 | 1.47 | 0.19 | 133.5 | 15.0 | 44 | 7.36 | 20.0 | 5.49 |
| W845121 | | 2.72 | 0.09 | 7.79 | 46.1 | 2660 | 2.05 | 0.19 | 2.30 | 0.22 | 109.0 | 18.8 | 51 | 6.07 | 16.5 | 5.81 |
| W845122 | | 2.68 | 0.08 | 7.48 | 42.9 | 2640 | 2.10 | 0.31 | 1.48 | 0.21 | 109.0 | 14.8 | 51 | 6.21 | 24.6 | 4.49 |
| W845123 | | 2.90 | 0.12 | 7.82 | 90.8 | 2810 | 2.17 | 0.48 | 0.72 | 0.13 | 111.5 | 20.8 | 50 | 6.47 | 33.0 | 4.80 |
| W845124 | | 2.61 | 0.14 | 7.54 | 55.8 | 2450 | 2.12 | 0.33 | 1.49 | 0.22 | 107.0 | 26.4 | 53 | 5.46 | 24.8 | 4.92 |
| W845125 | | 2.63 | 0.11 | 7.92 | 35.5 | 2620 | 2.26 | 0.36 | 0.70 | 0.16 | 113.5 | 22.4 | 54 | 7.08 | 29.4 | 6.34 |
| W845126 | | 2.20 | 0.20 | 6.73 | 55.8 | 2110 | 1.77 | 0.49 | 0.58 | 0.12 | 95.2 | 20.5 | 47 | 4.55 | 63.4 | 5.55 |
| W845127 | | 2.11 | 0.24 | 4.20 | 58.6 | 1200 | 1.12 | 0.48 | 1.55 | 0.16 | 59.9 | 15.1 | 32 | 3.20 | 53.8 | 4.11 |
| W845128 | | 1.98 | 0.21 | 7.87 | 143.5 | 2500 | 2.52 | 0.74 | 2.03 | 0.15 | 145.0 | 24.0 | 71 | 6.29 | 54.4 | 6.73 |
| W845129 | | 1.96 | 0.36 | 8.54 | 44.4 | 3050 | 2.46 | 2.95 | 0.49 | 0.09 | 141.0 | 12.4 | 78 | 6.65 | 59.8 | 5.59 |
| W845130 | | 1.92 | 0.43 | 7.66 | 78.8 | 2630 | 2.42 | 4.10 | 0.42 | 0.07 | 119.0 | 11.5 | 77 | 5.85 | 84.7 | 7.54 |
| W845131 | | 1.77 | 0.24 | 7.14 | 82.7 | 2490 | 1.92 | 2.28 | 0.34 | 0.03 | 94.1 | 5.9 | 58 | 5.06 | 62.9 | 6.44 |
| W845132 | | 2.00 | 0.22 | 7.58 | 94.7 | 2550 | 2.21 | 1.53 | 0.43 | 0.11 | 96.5 | 27.0 | 97 | 5.69 | 100.0 | 6.64 |
| W845133 | | 1.93 | 0.16 | 7.55 | 79.0 | 2780 | 2.32 | 1.09 | 0.31 | 0.04 | 87.4 | 11.2 | 100 | 7.18 | 40.8 | 4.05 |
| W845134 | | 2.03 | 0.11 | 7.47 | 117.5 | 2650 | 2.28 | 0.68 | 0.56 | 0.12 | 97.6 | 22.1 | 99 | 7.28 | 43.4 | 5.14 |
| W845135 | | 2.10 | 0.17 | 7.99 | 24.4 | 2720 | 2.37 | 1.26 | 0.46 | 0.03 | 100.0 | 11.4 | 109 | 7.19 | 54.7 | 5.14 |
| W845136 | | 2.19 | 0.35 | 7.82 | 35.2 | 2080 | 2.48 | 3.53 | 0.32 | 0.06 | 91.5 | 30.5 | 101 | 7.27 | 99.6 | 6.35 |
| W845137 | | 2.17 | 0.25 | 7.05 | 68.8 | 2260 | 2.15 | 1.92 | 0.32 | 0.10 | 84.6 | 26.0 | 76 | 6.25 | 82.3 | 5.68 |
| W845138 | | 1.89 | 0.23 | 7.25 | 35.7 | 2280 | 2.34 | 0.87 | 0.89 | 0.14 | 84.8 | 20.5 | 82 | 6.09 | 69.1 | 5.55 |
| W845139 | | 2.37 | 0.07 | 6.49 | 8.7 | 1970 | 1.95 | 0.31 | 0.53 | 0.08 | 66.1 | 11.1 | 74 | 6.42 | 29.3 | 4.29 |
| W845140 | | 2.06 | 0.16 | 6.88 | 49.2 | 2030 | 2.17 | 1.11 | 0.35 | 0.05 | 75.4 | 22.3 | 77 | 5.83 | 64.4 | 5.08 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W845101 | | 10.45 | 0.05 | 1.5 | 0.039 | 1.94 | 33.4 | 22.3 | 2.70 | 582 | 3.21 | 0.16 | 15.8 | 23.6 | 1110 | 7.6 |
| W845102 | | 11.65 | 0.06 | 1.9 | 0.052 | 1.72 | 33.6 | 15.1 | 2.81 | 844 | 3.40 | 0.36 | 20.6 | 34.8 | 1260 | 10.1 |
| W845103 | | 15.30 | 0.09 | 2.2 | 0.062 | 2.24 | 47.4 | 29.5 | 2.09 | 376 | 1.83 | 0.46 | 36.4 | 27.4 | 1400 | 7.7 |
| W845104 | | 18.60 | 0.12 | 2.2 | 0.072 | 2.66 | 46.5 | 32.1 | 1.65 | 420 | 2.14 | 0.52 | 37.1 | 30.9 | 1480 | 6.0 |
| W845105 | | 20.1 | 0.15 | 3.7 | 0.068 | 2.75 | 49.4 | 33.0 | 1.16 | 314 | 2.74 | 1.00 | 34.0 | 48.7 | 1860 | 6.5 |
| W845106 | | 23.5 | 0.19 | 4.3 | 0.082 | 3.20 | 66.6 | 38.9 | 1.56 | 350 | 2.98 | 0.75 | 46.0 | 76.7 | 2470 | 7.2 |
| W845107 | | 24.8 | 0.21 | 3.4 | 0.081 | 3.47 | 62.6 | 33.7 | 1.16 | 211 | 1.93 | 0.93 | 41.6 | 23.3 | 1790 | 6.7 |
| W845108 | | 25.5 | 0.19 | 4.0 | 0.085 | 3.34 | 60.9 | 36.7 | 1.31 | 259 | 2.70 | 1.21 | 46.4 | 31.8 | 2370 | 7.4 |
| W845109 | | 23.8 | 0.19 | 2.3 | 0.081 | 3.16 | 64.8 | 34.5 | 0.98 | 584 | 2.22 | 1.49 | 35.5 | 62.5 | 2090 | 6.9 |
| W845110 | | 23.5 | 0.16 | 3.0 | 0.080 | 3.12 | 58.7 | 35.5 | 1.28 | 1020 | 3.40 | 1.30 | 41.6 | 73.2 | 2270 | 7.2 |
| W845111 | | 21.8 | 0.15 | 3.6 | 0.075 | 2.94 | 56.4 | 33.5 | 1.18 | 269 | 2.89 | 0.97 | 35.4 | 45.4 | 2050 | 8.1 |
| W845112 | | 19.80 | 0.12 | 3.3 | 0.071 | 2.85 | 49.1 | 37.7 | 1.23 | 252 | 2.89 | 0.85 | 34.0 | 64.8 | 1810 | 8.9 |
| W845113 | | 19.35 | 0.15 | 3.4 | 0.082 | 2.85 | 60.4 | 32.3 | 1.55 | 601 | 2.72 | 0.33 | 49.2 | 40.0 | 1470 | 7.0 |
| W845114 | | 19.35 | 0.13 | 1.2 | 0.076 | 2.71 | 66.3 | 37.2 | 1.74 | 430 | 1.94 | 0.29 | 52.9 | 24.1 | 1360 | 9.7 |
| W845115 | | 19.90 | 0.14 | 3.0 | 0.087 | 2.96 | 58.8 | 46.4 | 1.56 | 1080 | 2.25 | 0.15 | 46.5 | 34.3 | 1420 | 9.3 |
| W845116 | | 10.95 | 0.09 | 1.5 | 0.045 | 1.62 | 33.7 | 14.2 | 1.98 | 579 | 2.41 | 0.25 | 20.7 | 29.1 | 1220 | 9.3 |
| W845117 | | 9.95 | 0.07 | 1.7 | 0.045 | 1.62 | 31.8 | 10.9 | 2.02 | 518 | 2.52 | 0.17 | 19.2 | 28.6 | 1160 | 6.9 |
| W845118 | | 12.30 | 0.08 | 1.7 | 0.055 | 1.74 | 35.6 | 17.0 | 2.26 | 558 | 2.15 | 0.26 | 27.1 | 29.9 | 1210 | 7.9 |
| W845119 | | 19.65 | 0.15 | 2.6 | 0.079 | 2.78 | 61.2 | 35.7 | 1.84 | 372 | 1.35 | 0.38 | 59.9 | 26.8 | 1490 | 8.5 |
| W845120 | | 21.0 | 0.19 | 4.0 | 0.083 | 2.83 | 79.1 | 40.4 | 1.97 | 368 | 1.26 | 0.37 | 83.8 | 24.9 | 1520 | 7.8 |
| W845121 | | 20.4 | 0.15 | 3.2 | 0.078 | 2.83 | 65.5 | 39.5 | 1.93 | 453 | 1.61 | 0.24 | 62.9 | 28.6 | 1460 | 7.3 |
| W845122 | | 19.60 | 0.15 | 2.5 | 0.069 | 2.86 | 64.6 | 32.2 | 1.57 | 435 | 1.44 | 0.40 | 56.0 | 28.2 | 1380 | 7.8 |
| W845123 | | 20.3 | 0.17 | 4.1 | 0.072 | 2.96 | 66.9 | 36.7 | 1.57 | 438 | 1.36 | 0.22 | 57.3 | 26.9 | 1460 | 7.7 |
| W845124 | | 19.00 | 0.15 | 3.0 | 0.072 | 2.60 | 63.2 | 35.0 | 1.69 | 643 | 1.80 | 0.46 | 46.2 | 33.1 | 1770 | 9.9 |
| W845125 | | 20.3 | 0.14 | 1.3 | 0.086 | 2.86 | 69.2 | 42.6 | 1.97 | 490 | 1.29 | 0.20 | 55.4 | 37.5 | 1490 | 9.4 |
| W845126 | | 16.65 | 0.12 | 1.4 | 0.069 | 2.24 | 56.9 | 32.3 | 1.28 | 453 | 2.49 | 0.14 | 36.5 | 26.0 | 1270 | 9.6 |
| W845127 | | 11.55 | 0.09 | 0.7 | 0.050 | 1.33 | 36.2 | 29.1 | 1.20 | 427 | 2.37 | 0.09 | 30.4 | 22.7 | 900 | 8.3 |
| W845128 | | 21.4 | 0.20 | 4.4 | 0.077 | 2.89 | 87.6 | 45.1 | 1.14 | 549 | 2.84 | 0.13 | 73.6 | 44.7 | 2180 | 8.7 |
| W845129 | | 23.8 | 0.18 | 3.4 | 0.085 | 3.41 | 83.8 | 38.8 | 1.36 | 272 | 2.03 | 0.16 | 52.4 | 18.6 | 1820 | 7.5 |
| W845130 | | 20.5 | 0.17 | 3.3 | 0.073 | 3.05 | 68.6 | 36.6 | 1.31 | 293 | 2.12 | 0.14 | 25.6 | 24.3 | 2260 | 10.1 |
| W845131 | | 19.25 | 0.17 | 3.7 | 0.053 | 2.82 | 51.6 | 29.1 | 1.35 | 253 | 1.76 | 0.18 | 31.5 | 13.8 | 1600 | 6.2 |
| W845132 | | 21.3 | 0.19 | 3.9 | 0.057 | 3.06 | 52.2 | 31.3 | 1.04 | 345 | 2.71 | 0.15 | 29.4 | 55.8 | 1690 | 6.2 |
| W845133 | | 22.5 | 0.18 | 3.4 | 0.058 | 3.34 | 46.0 | 27.2 | 1.11 | 223 | 1.87 | 0.14 | 30.4 | 30.3 | 1390 | 5.8 |
| W845134 | | 21.4 | 0.19 | 4.2 | 0.058 | 3.17 | 52.8 | 28.1 | 1.26 | 507 | 2.10 | 0.13 | 34.5 | 60.5 | 1920 | 5.9 |
| W845135 | | 23.1 | 0.20 | 4.3 | 0.065 | 3.34 | 52.7 | 29.9 | 1.40 | 240 | 2.81 | 0.16 | 41.0 | 33.1 | 2120 | 6.5 |
| W845136 | | 22.9 | 0.19 | 4.2 | 0.061 | 3.22 | 48.6 | 31.2 | 1.39 | 165 | 3.16 | 0.13 | 27.5 | 74.4 | 1590 | 7.6 |
| W845137 | | 20.4 | 0.17 | 2.9 | 0.056 | 2.91 | 45.3 | 28.2 | 1.33 | 252 | 2.12 | 0.13 | 20.9 | 47.3 | 1070 | 6.0 |
| W845138 | | 21.2 | 0.18 | 2.9 | 0.057 | 2.93 | 46.7 | 32.4 | 1.57 | 437 | 1.75 | 0.13 | 20.9 | 52.5 | 1030 | 7.5 |
| W845139 | | 18.65 | 0.15 | 2.3 | 0.049 | 2.62 | 36.2 | 28.8 | 1.63 | 298 | 1.18 | 0.11 | 19.0 | 27.3 | 820 | 3.3 |
| W845140 | | 19.20 | 0.16 | 2.8 | 0.052 | 2.73 | 41.7 | 26.3 | 1.40 | 242 | 2.18 | 0.12 | 20.8 | 47.4 | 860 | 4.3 |

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

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Project: Rau

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| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W845101 | | 82.4 | <0.002 | 0.05 | 1.36 | 8.1 | 1 | 2.8 | 89.9 | 0.80 | <0.05 | 6.93 | 0.347 | 0.42 | 2.4 | 99 |
| W845102 | | 74.6 | <0.002 | 0.07 | 1.33 | 13.0 | 1 | 3.4 | 116.5 | 1.03 | <0.05 | 6.69 | 0.457 | 0.42 | 2.9 | 133 |
| W845103 | | 100.5 | <0.002 | 0.12 | 1.47 | 14.4 | 1 | 2.8 | 119.0 | 1.82 | <0.05 | 10.20 | 0.694 | 0.50 | 4.1 | 143 |
| W845104 | | 119.5 | 0.002 | 0.12 | 1.33 | 17.1 | 1 | 2.7 | 93.0 | 1.86 | <0.05 | 10.60 | 0.760 | 0.52 | 3.4 | 148 |
| W845105 | | 125.0 | <0.002 | 0.16 | 1.67 | 15.7 | 1 | 2.6 | 132.0 | 1.81 | <0.05 | 11.45 | 0.777 | 0.55 | 8.8 | 175 |
| W845106 | | 150.0 | 0.002 | 0.15 | 2.47 | 18.8 | 1 | 3.0 | 102.5 | 2.33 | 0.08 | 13.85 | 1.090 | 0.68 | 7.2 | 221 |
| W845107 | | 164.0 | <0.002 | 0.19 | 1.82 | 18.3 | 1 | 3.3 | 96.8 | 2.17 | 0.07 | 13.70 | 0.991 | 0.72 | 6.1 | 190 |
| W845108 | | 157.0 | <0.002 | 0.12 | 2.17 | 18.6 | 1 | 3.4 | 105.5 | 2.46 | 0.07 | 13.75 | 1.120 | 0.72 | 6.3 | 189 |
| W845109 | | 138.5 | 0.003 | 0.08 | 1.51 | 18.2 | 1 | 3.0 | 99.7 | 1.91 | 0.06 | 13.10 | 0.932 | 0.56 | 3.5 | 187 |
| W845110 | | 141.5 | <0.002 | 0.09 | 2.19 | 18.3 | 1 | 2.9 | 96.5 | 2.25 | 0.05 | 12.85 | 1.030 | 0.62 | 6.4 | 189 |
| W845111 | | 138.5 | <0.002 | 0.11 | 1.80 | 16.8 | 2 | 2.7 | 101.0 | 1.98 | 0.08 | 13.20 | 0.860 | 0.60 | 10.2 | 163 |
| W845112 | | 129.5 | <0.002 | 0.07 | 1.88 | 15.9 | 1 | 2.4 | 93.6 | 1.84 | 0.06 | 12.05 | 0.816 | 0.63 | 5.4 | 155 |
| W845113 | | 125.0 | 0.003 | 0.09 | 1.71 | 16.2 | 2 | 2.4 | 136.0 | 2.38 | <0.05 | 12.50 | 0.708 | 0.51 | 3.4 | 130 |
| W845114 | | 119.0 | 0.003 | 0.07 | 1.08 | 15.8 | 1 | 2.5 | 92.7 | 2.61 | <0.05 | 13.00 | 0.665 | 0.52 | 1.6 | 123 |
| W845115 | | 135.0 | 0.006 | 0.13 | 2.54 | 17.5 | 1 | 2.5 | 99.2 | 2.29 | <0.05 | 13.10 | 0.772 | 0.59 | 3.5 | 147 |
| W845116 | | 72.1 | <0.002 | 0.14 | 1.41 | 10.7 | 1 | 3.6 | 143.0 | 1.03 | <0.05 | 6.77 | 0.375 | 0.41 | 3.6 | 108 |
| W845117 | | 70.6 | <0.002 | 0.12 | 1.28 | 8.3 | 1 | 3.2 | 129.0 | 0.99 | <0.05 | 6.52 | 0.356 | 0.39 | 3.4 | 100 |
| W845118 | | 79.1 | <0.002 | 0.07 | 1.47 | 11.9 | 1 | 2.9 | 113.0 | 1.34 | <0.05 | 7.48 | 0.466 | 0.39 | 2.8 | 118 |
| W845119 | | 130.0 | <0.002 | 0.03 | 1.61 | 17.2 | 1 | 2.6 | 86.2 | 2.99 | <0.05 | 12.85 | 0.819 | 0.62 | 2.6 | 139 |
| W845120 | | 136.0 | <0.002 | 0.06 | 1.34 | 16.6 | 1 | 2.9 | 84.7 | 4.22 | <0.05 | 15.45 | 0.792 | 0.58 | 3.0 | 130 |
| W845121 | | 124.0 | 0.003 | 0.06 | 1.44 | 16.2 | 1 | 2.5 | 69.2 | 3.11 | <0.05 | 13.85 | 0.780 | 0.49 | 3.1 | 129 |
| W845122 | | 126.5 | <0.002 | 0.07 | 1.30 | 15.0 | 1 | 2.5 | 83.5 | 2.92 | <0.05 | 13.55 | 0.691 | 0.59 | 3.0 | 127 |
| W845123 | | 134.0 | <0.002 | 0.04 | 1.35 | 15.6 | 1 | 2.9 | 69.0 | 2.84 | 0.05 | 14.35 | 0.736 | 0.62 | 4.3 | 134 |
| W845124 | | 118.5 | 0.002 | 0.04 | 1.16 | 15.6 | 1 | 3.5 | 100.0 | 2.22 | <0.05 | 13.10 | 0.651 | 0.54 | 3.1 | 130 |
| W845125 | | 131.0 | 0.002 | 0.05 | 1.06 | 17.9 | 1 | 3.7 | 70.6 | 2.93 | <0.05 | 14.30 | 0.790 | 0.67 | 2.6 | 147 |
| W845126 | | 98.5 | <0.002 | 0.11 | 0.88 | 15.2 | 1 | 3.2 | 75.2 | 1.77 | <0.05 | 10.70 | 0.522 | 0.47 | 2.7 | 110 |
| W845127 | | 61.7 | 0.002 | 0.05 | 0.95 | 8.8 | 1 | 2.2 | 49.9 | 1.46 | 0.05 | 6.52 | 0.404 | 0.29 | 1.3 | 77 |
| W845128 | | 132.0 | 0.003 | 0.09 | 2.14 | 18.8 | 2 | 2.9 | 120.0 | 3.41 | 0.08 | 16.90 | 0.839 | 0.63 | 4.9 | 163 |
| W845129 | | 145.5 | 0.002 | 0.23 | 1.37 | 21.4 | 2 | 4.0 | 129.0 | 2.50 | 0.12 | 16.90 | 0.775 | 0.65 | 4.8 | 177 |
| W845130 | | 135.0 | <0.002 | 0.25 | 1.99 | 18.0 | 3 | 4.1 | 176.0 | 1.27 | 0.17 | 14.00 | 0.502 | 0.56 | 5.8 | 156 |
| W845131 | | 102.5 | 0.002 | 0.30 | 1.27 | 14.5 | 1 | 3.4 | 129.5 | 1.74 | 0.09 | 11.60 | 0.585 | 0.45 | 4.3 | 149 |
| W845132 | | 124.5 | 0.005 | 0.14 | 2.34 | 14.6 | 6 | 4.7 | 90.7 | 1.45 | 0.09 | 12.05 | 0.707 | 0.62 | 4.9 | 165 |
| W845133 | | 141.5 | 0.002 | 0.09 | 1.60 | 15.3 | 2 | 3.5 | 93.6 | 1.64 | 0.07 | 12.15 | 0.788 | 0.63 | 3.9 | 173 |
| W845134 | | 136.0 | 0.003 | 0.07 | 1.81 | 14.5 | 2 | 2.7 | 65.3 | 1.85 | 0.06 | 12.20 | 0.904 | 0.60 | 4.4 | 174 |
| W845135 | | 135.5 | 0.005 | 0.43 | 1.97 | 15.8 | 2 | 2.9 | 99.3 | 2.19 | 0.07 | 11.70 | 1.080 | 0.63 | 4.7 | 192 |
| W845136 | | 138.5 | 0.013 | 1.56 | 2.06 | 15.9 | 4 | 3.9 | 57.4 | 1.46 | 0.14 | 11.75 | 0.750 | 0.63 | 4.5 | 180 |
| W845137 | | 124.0 | 0.010 | 1.12 | 1.39 | 13.5 | 3 | 3.1 | 57.1 | 1.14 | 0.11 | 11.95 | 0.557 | 0.54 | 3.3 | 140 |
| W845138 | | 127.5 | 0.003 | 0.59 | 1.41 | 14.3 | 2 | 2.6 | 65.8 | 1.19 | 0.07 | 12.90 | 0.548 | 0.56 | 3.0 | 136 |
| W845139 | | 115.0 | 0.004 | 0.45 | 0.73 | 12.2 | 1 | 2.3 | 44.3 | 1.08 | <0.05 | 10.45 | 0.513 | 0.54 | 2.2 | 113 |
| W845140 | | 116.5 | 0.011 | 0.92 | 0.95 | 12.7 | 2 | 2.8 | 47.2 | 1.19 | 0.08 | 11.65 | 0.540 | 0.50 | 3.1 | 133 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method Analyte Units LOD | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 | Au-AA24 Au ppm 0.005 |
|---|---|---|---|---|---|---|
| W845101 | | 2.8 | 12.2 | 67 | 65.2 | 0.018 |
| W845102 | | 3.0 | 12.2 | 64 | 77.5 | 0.233 |
| W845103 | | 3.5 | 12.0 | 77 | 107.5 | <0.005 |
| W845104 | | 1.9 | 11.7 | 84 | 100.5 | <0.005 |
| W845105 | | 2.1 | 13.4 | 64 | 158.5 | <0.005 |
| W845106 | | 1.9 | 16.4 | 86 | 198.5 | 0.010 |
| W845107 | | 1.8 | 13.4 | 54 | 159.0 | <0.005 |
| W845108 | | 1.9 | 15.1 | 67 | 183.5 | <0.005 |
| W845109 | | 2.0 | 16.0 | 62 | 117.0 | <0.005 |
| W845110 | | 1.8 | 15.0 | 75 | 150.0 | <0.005 |
| W845111 | | 1.6 | 14.0 | 67 | 160.5 | <0.005 |
| W845112 | | 1.9 | 11.7 | 88 | 148.0 | <0.005 |
| W845113 | | 2.4 | 18.9 | 74 | 182.5 | <0.005 |
| W845114 | | 2.4 | 12.5 | 89 | 50.8 | <0.005 |
| W845115 | | 2.5 | 14.4 | 74 | 126.0 | <0.005 |
| W845116 | | 2.2 | 11.1 | 52 | 69.4 | 0.020 |
| W845117 | | 4.4 | 10.2 | 46 | 70.7 | 0.041 |
| W845118 | | 2.0 | 11.3 | 62 | 71.4 | 0.213 |
| W845119 | | 1.9 | 13.8 | 85 | 129.0 | <0.005 |
| W845120 | | 1.7 | 19.5 | 83 | 192.0 | <0.005 |
| W845121 | | 1.6 | 15.3 | 83 | 144.5 | <0.005 |
| W845122 | | 1.5 | 14.5 | 66 | 105.0 | <0.005 |
| W845123 | | 1.5 | 16.4 | 71 | 200 | <0.005 |
| W845124 | | 1.8 | 16.7 | 84 | 142.0 | <0.005 |
| W845125 | | 2.1 | 15.8 | 100 | 51.8 | <0.005 |
| W845126 | | 4.6 | 13.7 | 69 | 88.8 | <0.005 |
| W845127 | | 3.8 | 7.4 | 72 | 33.6 | <0.005 |
| W845128 | | 2.8 | 22.0 | 80 | 216 | <0.005 |
| W845129 | | 2.2 | 15.5 | 56 | 190.5 | 0.005 |
| W845130 | | 1.6 | 15.0 | 68 | 169.0 | 0.007 |
| W845131 | | 1.9 | 10.9 | 51 | 164.0 | <0.005 |
| W845132 | | 2.1 | 16.9 | 45 | 197.0 | <0.005 |
| W845133 | | 2.0 | 11.9 | 43 | 140.0 | <0.005 |
| W845134 | | 2.2 | 15.1 | 60 | 186.0 | <0.005 |
| W845135 | | 2.2 | 14.2 | 53 | 190.5 | <0.005 |
| W845136 | | 1.8 | 12.9 | 46 | 180.5 | 0.006 |
| W845137 | | 2.0 | 11.4 | 51 | 121.0 | <0.005 |
| W845138 | | 2.1 | 13.4 | 65 | 109.0 | <0.005 |
| W845139 | | 1.8 | 10.7 | 61 | 86.2 | <0.005 |
| W845140 | | 2.1 | 11.2 | 55 | 110.0 | <0.005 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W845141 | | 1.89 | 0.18 | 7.62 | 21.7 | 2210 | 2.36 | 1.37 | 0.36 | 0.08 | 88.2 | 20.0 | 86 | 6.49 | 61.3 | 5.52 |
| W845142 | | 2.15 | 0.14 | 7.04 | 16.3 | 2290 | 2.26 | 1.11 | 0.58 | 0.07 | 82.6 | 12.5 | 82 | 7.17 | 41.6 | 4.36 |
| W845143 | | 0.87 | 0.07 | 4.22 | 123.0 | 1320 | 1.19 | 6.18 | 4.33 | 0.20 | 50.2 | 11.1 | 59 | 2.02 | 20.3 | 3.84 |
| W845144 | | 2.98 | 0.11 | 4.73 | 137.0 | 1440 | 1.53 | 2.17 | 8.05 | 0.23 | 64.7 | 11.9 | 53 | 2.83 | 21.7 | 3.77 |
| W845145 | | 3.19 | 0.12 | 3.87 | 104.5 | 1210 | 1.16 | 2.23 | 11.70 | 0.34 | 53.5 | 10.2 | 48 | 2.37 | 26.7 | 3.10 |
| W845146 | | 2.81 | 0.12 | 3.35 | 84.1 | 1000 | 0.93 | 1.77 | 14.10 | 0.56 | 42.5 | 10.3 | 43 | 1.87 | 27.3 | 2.96 |
| W845147 | | 2.70 | 0.13 | 3.69 | 57.0 | 1100 | 0.93 | 0.76 | 11.60 | 0.37 | 40.2 | 9.3 | 50 | 2.16 | 29.7 | 3.03 |
| W845148 | | 2.35 | 0.06 | 6.56 | 41.0 | 2160 | 1.87 | 0.26 | 3.96 | 0.23 | 87.7 | 13.4 | 48 | 5.63 | 13.9 | 4.10 |
| W845149 | | 2.79 | 0.11 | 7.23 | 32.3 | 2610 | 2.10 | 0.17 | 2.94 | 0.19 | 101.0 | 13.6 | 50 | 6.06 | 47.5 | 4.63 |
| W845150 | | 3.22 | 0.19 | 6.75 | 45.7 | 2140 | 1.77 | 0.40 | 3.29 | 0.24 | 87.9 | 22.8 | 49 | 5.17 | 94.4 | 6.17 |
| W845151 | | 3.05 | 0.14 | 6.71 | 53.0 | 2200 | 1.92 | 0.37 | 3.16 | 0.26 | 94.5 | 21.7 | 49 | 5.92 | 55.8 | 5.94 |
| W845152 | | 2.35 | 0.12 | 7.13 | 39.6 | 2110 | 1.81 | 0.40 | 1.71 | 0.21 | 99.4 | 19.5 | 47 | 6.17 | 55.7 | 7.47 |
| W845153 | | 2.46 | 0.11 | 6.34 | 44.5 | 2190 | 1.82 | 0.36 | 2.92 | 0.26 | 99.9 | 17.2 | 54 | 5.94 | 44.0 | 5.84 |
| W845154 | | 2.83 | 0.11 | 6.47 | 47.3 | 2390 | 1.96 | 0.46 | 2.75 | 0.28 | 96.5 | 18.9 | 57 | 6.68 | 38.9 | 5.17 |
| W845155 | | 2.63 | 0.08 | 5.90 | 44.1 | 2200 | 1.86 | 0.32 | 2.73 | 0.26 | 88.3 | 13.2 | 54 | 5.76 | 27.0 | 5.08 |
| W845156 | | 2.68 | 0.07 | 7.06 | 61.6 | 2450 | 1.88 | 0.22 | 1.19 | 0.11 | 98.6 | 17.5 | 47 | 6.50 | 21.4 | 5.32 |
| W845157 | | 2.80 | 0.21 | 7.62 | 107.0 | 1920 | 1.82 | 0.57 | 0.56 | 0.10 | 115.5 | 24.2 | 46 | 5.66 | 109.0 | 9.57 |
| W845158 | | 3.34 | 0.07 | 7.10 | 27.7 | 2130 | 1.63 | 0.18 | 1.08 | 0.09 | 87.8 | 15.0 | 49 | 6.28 | 25.5 | 6.78 |
| W845159 | | 2.22 | 0.09 | 6.59 | 16.8 | 2020 | 1.80 | 0.21 | 1.59 | 0.17 | 108.5 | 13.5 | 44 | 5.56 | 38.6 | 6.66 |
| W845160 | | 2.35 | 0.10 | 7.10 | 35.6 | 2130 | 1.79 | 0.26 | 1.73 | 0.18 | 91.0 | 17.8 | 52 | 5.97 | 41.9 | 7.23 |
| W845161 | | 2.51 | 0.12 | 7.07 | 30.3 | 2090 | 1.88 | 0.28 | 1.94 | 0.19 | 85.9 | 15.2 | 52 | 6.07 | 45.0 | 6.70 |
| W845162 | | 2.56 | 0.11 | 7.08 | 18.1 | 2170 | 1.91 | 0.43 | 1.44 | 0.14 | 93.0 | 15.4 | 51 | 6.53 | 44.7 | 6.48 |
| W845163 | | 2.59 | 0.16 | 6.63 | 8.7 | 2170 | 2.03 | 0.77 | 2.43 | 0.20 | 83.6 | 15.9 | 63 | 5.52 | 50.1 | 5.35 |
| W845164 | | 2.66 | 0.08 | 6.56 | 23.1 | 1980 | 1.79 | 0.38 | 2.15 | 0.19 | 85.0 | 12.3 | 57 | 4.85 | 25.8 | 5.52 |
| W845165 | | 3.13 | 0.08 | 6.20 | 14.7 | 1980 | 1.76 | 0.27 | 1.75 | 0.17 | 74.9 | 12.2 | 50 | 5.37 | 24.0 | 4.75 |
| W845166 | | 2.90 | 0.08 | 7.47 | 15.4 | 2290 | 2.14 | 0.24 | 0.78 | 0.13 | 107.5 | 14.5 | 54 | 6.93 | 29.2 | 5.82 |
| W845167 | | 2.60 | 0.11 | 7.67 | 83.8 | 2510 | 2.41 | 0.42 | 0.37 | 0.11 | 147.0 | 14.7 | 62 | 5.46 | 62.7 | 5.48 |
| W845168 | | 2.39 | 0.07 | 7.39 | 16.7 | 2510 | 2.39 | 0.45 | 0.49 | 0.06 | 163.5 | 7.7 | 65 | 6.70 | 35.9 | 5.20 |
| W845169 | | 2.27 | 0.09 | 7.17 | 10.0 | 2330 | 2.33 | 0.21 | 1.06 | 0.27 | 150.0 | 14.5 | 59 | 6.34 | 37.1 | 5.83 |
| W845170 | | 2.28 | 0.18 | 7.14 | 9.6 | 2210 | 2.23 | 0.34 | 1.12 | 0.19 | 133.5 | 14.2 | 70 | 5.98 | 56.5 | 6.29 |
| W845171 | | 2.02 | 0.19 | 6.60 | 14.8 | 2170 | 2.13 | 0.29 | 2.50 | 0.21 | 108.0 | 19.5 | 71 | 6.16 | 66.4 | 5.67 |
| W845172 | | 1.98 | 0.17 | 5.28 | 6.7 | 1810 | 1.83 | 0.40 | 4.74 | 0.22 | 75.4 | 15.2 | 76 | 5.16 | 54.4 | 4.72 |
| W845173 | | 2.09 | 0.26 | 5.47 | 11.9 | 1840 | 1.77 | 0.45 | 3.87 | 0.57 | 82.3 | 16.9 | 80 | 5.00 | 77.6 | 4.68 |
| W845174 | | 2.27 | 0.23 | 5.15 | 8.7 | 1750 | 1.52 | 0.40 | 3.21 | 0.61 | 77.9 | 16.4 | 78 | 4.78 | 71.3 | 5.09 |
| W845175 | | 1.93 | 0.26 | 6.35 | 6.9 | 2140 | 1.90 | 0.35 | 2.56 | 0.41 | 88.1 | 21.2 | 108 | 6.01 | 90.1 | 5.35 |
| W845176 | | 2.63 | 0.01 | 7.37 | 546 | 1410 | 2.62 | 0.39 | 0.55 | <0.02 | 115.5 | 17.3 | 53 | 4.35 | 8.4 | 1.80 |
| W845177 | | 2.81 | <0.01 | 6.87 | 145.0 | 1560 | 2.20 | 0.64 | 1.21 | 0.03 | 104.5 | 14.8 | 51 | 8.11 | 28.1 | 3.95 |
| W845178 | | 2.55 | 0.01 | 8.17 | 41.8 | 2050 | 2.96 | 1.56 | 0.69 | 0.06 | 118.5 | 12.2 | 61 | 8.85 | 41.0 | 4.96 |
| W845179 | | 2.64 | 0.03 | 8.05 | 151.5 | 1930 | 2.89 | 1.13 | 0.57 | 0.11 | 114.0 | 22.1 | 64 | 9.03 | 46.5 | 6.07 |
| W845180 | | 2.60 | 0.04 | 7.62 | 159.5 | 1780 | 2.84 | 0.67 | 1.56 | 0.08 | 147.5 | 25.4 | 64 | 11.90 | 42.3 | 7.29 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W845141 | | 21.5 | 0.19 | 3.4 | 0.057 | 3.03 | 48.5 | 34.5 | 1.66 | 303 | 2.32 | 0.12 | 26.0 | 52.7 | 1000 | 5.2 |
| W845142 | | 20.8 | 0.18 | 2.8 | 0.055 | 3.00 | 44.8 | 28.5 | 1.60 | 382 | 1.62 | 0.11 | 24.0 | 41.7 | 940 | 4.1 |
| W845143 | | 10.70 | 0.12 | 1.9 | 0.039 | 1.73 | 27.9 | 10.9 | 1.57 | 635 | 2.65 | 0.15 | 18.0 | 25.6 | 1180 | 7.2 |
| W845144 | | 13.90 | 0.14 | 2.3 | 0.048 | 2.00 | 35.6 | 12.9 | 1.70 | 695 | 2.59 | 0.14 | 24.2 | 29.3 | 1340 | 7.7 |
| W845145 | | 10.80 | 0.11 | 2.0 | 0.036 | 1.59 | 29.6 | 11.7 | 2.05 | 545 | 2.53 | 0.17 | 18.6 | 25.7 | 1250 | 7.3 |
| W845146 | | 9.31 | 0.09 | 1.6 | 0.033 | 1.24 | 23.3 | 12.9 | 2.93 | 536 | 2.61 | 0.22 | 12.8 | 25.0 | 1010 | 7.4 |
| W845147 | | 9.53 | 0.09 | 1.7 | 0.033 | 1.37 | 21.7 | 13.6 | 2.40 | 534 | 2.23 | 0.24 | 13.4 | 23.8 | 950 | 7.0 |
| W845148 | | 19.20 | 0.17 | 3.5 | 0.063 | 2.46 | 48.8 | 30.2 | 1.23 | 458 | 1.72 | 0.17 | 51.2 | 19.6 | 1360 | 6.9 |
| W845149 | | 21.3 | 0.19 | 3.8 | 0.081 | 2.88 | 56.6 | 31.0 | 1.22 | 503 | 1.81 | 0.24 | 56.8 | 22.4 | 1390 | 7.8 |
| W845150 | | 18.90 | 0.17 | 3.1 | 0.066 | 2.36 | 48.3 | 34.9 | 1.50 | 552 | 2.00 | 0.24 | 48.9 | 38.9 | 1560 | 8.2 |
| W845151 | | 19.15 | 0.18 | 2.8 | 0.074 | 2.41 | 52.1 | 36.2 | 1.63 | 562 | 2.40 | 0.32 | 51.3 | 33.5 | 1510 | 8.9 |
| W845152 | | 20.3 | 0.18 | 3.0 | 0.076 | 2.29 | 54.9 | 39.7 | 2.12 | 445 | 1.64 | 0.50 | 57.2 | 30.6 | 1560 | 8.6 |
| W845153 | | 18.05 | 0.18 | 2.7 | 0.061 | 2.33 | 57.6 | 32.7 | 1.91 | 622 | 2.34 | 0.37 | 49.1 | 32.3 | 1540 | 7.2 |
| W845154 | | 19.20 | 0.19 | 3.3 | 0.063 | 2.53 | 54.1 | 32.1 | 1.71 | 703 | 2.23 | 0.32 | 45.5 | 33.9 | 1530 | 8.0 |
| W845155 | | 17.05 | 0.17 | 2.5 | 0.060 | 2.27 | 49.6 | 31.2 | 1.85 | 549 | 1.90 | 0.21 | 41.1 | 27.3 | 1460 | 5.8 |
| W845156 | | 20.3 | 0.19 | 3.6 | 0.067 | 2.69 | 54.8 | 33.4 | 1.71 | 407 | 1.54 | 0.22 | 53.6 | 22.0 | 1380 | 6.5 |
| W845157 | | 23.1 | 0.21 | 4.1 | 0.081 | 2.01 | 63.3 | 53.9 | 2.64 | 474 | 1.37 | 0.10 | 65.8 | 32.6 | 1560 | 9.0 |
| W845158 | | 18.50 | 0.16 | 2.5 | 0.063 | 2.34 | 49.3 | 40.2 | 2.13 | 353 | 1.08 | 0.30 | 47.8 | 24.0 | 1490 | 6.5 |
| W845159 | | 19.70 | 0.20 | 2.8 | 0.067 | 2.17 | 59.5 | 36.2 | 1.79 | 477 | 1.64 | 0.38 | 58.2 | 25.8 | 1550 | 5.7 |
| W845160 | | 19.50 | 0.19 | 3.0 | 0.066 | 2.38 | 49.5 | 33.2 | 1.54 | 489 | 2.53 | 0.44 | 47.2 | 29.1 | 1610 | 6.9 |
| W845161 | | 20.0 | 0.17 | 2.8 | 0.068 | 2.28 | 46.8 | 36.3 | 1.68 | 456 | 2.18 | 0.41 | 46.1 | 26.6 | 1570 | 7.3 |
| W845162 | | 19.45 | 0.18 | 3.4 | 0.067 | 2.38 | 52.5 | 39.2 | 2.04 | 525 | 2.16 | 0.14 | 55.1 | 26.3 | 1690 | 6.4 |
| W845163 | | 18.75 | 0.18 | 3.3 | 0.062 | 2.40 | 46.7 | 36.2 | 1.60 | 646 | 3.93 | 0.12 | 45.2 | 33.3 | 2460 | 9.2 |
| W845164 | | 17.70 | 0.17 | 2.7 | 0.055 | 2.21 | 47.6 | 30.7 | 1.67 | 698 | 2.41 | 0.10 | 43.6 | 24.5 | 1690 | 6.7 |
| W845165 | | 17.50 | 0.16 | 2.6 | 0.053 | 2.19 | 41.9 | 31.2 | 1.58 | 455 | 2.21 | 0.37 | 41.1 | 21.8 | 1500 | 6.9 |
| W845166 | | 22.2 | 0.20 | 4.1 | 0.066 | 2.61 | 59.5 | 43.7 | 1.89 | 379 | 2.10 | 0.13 | 68.6 | 25.8 | 1620 | 7.0 |
| W845167 | | 20.4 | 0.14 | 2.4 | 0.085 | 2.79 | 78.6 | 37.0 | 1.28 | 277 | 2.23 | 0.22 | 71.4 | 24.4 | 1340 | 9.4 |
| W845168 | | 19.90 | 0.15 | 3.3 | 0.090 | 2.82 | 86.3 | 35.9 | 1.41 | 240 | 1.89 | 0.51 | 84.9 | 12.6 | 1220 | 8.0 |
| W845169 | | 19.50 | 0.15 | 2.9 | 0.087 | 2.64 | 78.4 | 40.9 | 1.57 | 320 | 2.42 | 0.32 | 79.3 | 31.4 | 1410 | 6.4 |
| W845170 | | 18.70 | 0.14 | 2.8 | 0.089 | 2.71 | 71.3 | 38.5 | 1.46 | 292 | 2.89 | 0.15 | 61.1 | 30.3 | 2220 | 7.7 |
| W845171 | | 16.55 | 0.12 | 3.6 | 0.073 | 2.59 | 56.7 | 31.8 | 1.30 | 441 | 6.32 | 0.35 | 49.8 | 42.6 | 1890 | 5.3 |
| W845172 | | 12.70 | 0.11 | 3.0 | 0.051 | 2.22 | 40.3 | 25.6 | 1.23 | 535 | 8.16 | 0.11 | 35.5 | 43.9 | 2070 | 5.6 |
| W845173 | | 13.40 | 0.12 | 3.0 | 0.056 | 2.39 | 43.8 | 26.2 | 1.10 | 462 | 10.45 | 0.10 | 34.3 | 53.7 | 2650 | 6.4 |
| W845174 | | 12.15 | 0.11 | 2.9 | 0.053 | 2.30 | 41.6 | 24.6 | 1.47 | 441 | 9.51 | 0.10 | 32.0 | 46.9 | 2560 | 5.2 |
| W845175 | | 14.90 | 0.11 | 3.3 | 0.059 | 2.85 | 45.6 | 30.7 | 1.45 | 368 | 8.24 | 0.13 | 38.9 | 61.0 | 2510 | 5.5 |
| W845176 | | 22.1 | 0.12 | 2.9 | 0.054 | 3.51 | 61.2 | 12.4 | 0.51 | 345 | 1.74 | 0.08 | 42.2 | 30.5 | 1840 | 2.7 |
| W845177 | | 18.15 | 0.12 | 3.5 | 0.070 | 3.37 | 55.4 | 13.3 | 1.16 | 773 | 0.88 | 0.07 | 55.4 | 36.0 | 1440 | 2.2 |
| W845178 | | 21.9 | 0.15 | 4.5 | 0.096 | 4.02 | 61.7 | 14.8 | 1.08 | 764 | 4.24 | 0.07 | 58.5 | 34.2 | 2540 | 3.1 |
| W845179 | | 20.8 | 0.15 | 3.1 | 0.096 | 3.82 | 59.0 | 18.7 | 1.43 | 701 | 1.40 | 0.07 | 56.3 | 40.6 | 2680 | 3.4 |
| W845180 | | 20.5 | 0.18 | 2.7 | 0.078 | 3.72 | 78.0 | 26.0 | 2.06 | 1310 | 1.77 | 0.06 | 65.9 | 56.1 | 2240 | 3.2 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W845141 | | 132.5 | 0.006 | 0.58 | 1.37 | 14.1 | 2 | 4.1 | 53.4 | 1.50 | 0.06 | 13.35 | 0.661 | 0.63 | 3.3 | 154 |
| W845142 | | 134.0 | 0.007 | 0.79 | 1.22 | 13.4 | 1 | 4.7 | 47.5 | 1.34 | 0.05 | 12.70 | 0.587 | 0.67 | 2.9 | 138 |
| W845143 | | 62.7 | <0.002 | 0.06 | 1.54 | 7.8 | 1 | 3.2 | 61.0 | 0.95 | <0.05 | 6.05 | 0.411 | 0.34 | 2.4 | 113 |
| W845144 | | 85.1 | <0.002 | 0.11 | 1.25 | 10.4 | 1 | 4.5 | 88.7 | 1.25 | <0.05 | 7.90 | 0.466 | 0.44 | 3.1 | 115 |
| W845145 | | 66.6 | <0.002 | 0.12 | 1.33 | 7.9 | 1 | 3.3 | 114.5 | 1.00 | <0.05 | 6.59 | 0.371 | 0.38 | 3.0 | 96 |
| W845146 | | 51.2 | <0.002 | 0.11 | 1.40 | 8.8 | 1 | 2.3 | 133.0 | 0.71 | <0.05 | 5.01 | 0.302 | 0.32 | 2.6 | 101 |
| W845147 | | 52.5 | <0.002 | 0.09 | 1.47 | 7.7 | 1 | 2.0 | 118.5 | 0.74 | <0.05 | 5.21 | 0.329 | 0.32 | 2.2 | 102 |
| W845148 | | 108.0 | 0.002 | 0.04 | 1.36 | 14.1 | 1 | 2.8 | 78.7 | 2.85 | <0.05 | 10.60 | 0.707 | 0.49 | 2.5 | 126 |
| W845149 | | 122.5 | <0.002 | 0.03 | 1.16 | 16.6 | 1 | 3.9 | 89.3 | 3.16 | <0.05 | 12.10 | 0.761 | 0.54 | 2.9 | 146 |
| W845150 | | 96.8 | <0.002 | 0.05 | 1.42 | 14.5 | 1 | 3.2 | 99.3 | 2.66 | <0.05 | 9.97 | 0.739 | 0.42 | 4.2 | 151 |
| W845151 | | 104.5 | <0.002 | 0.06 | 1.70 | 15.1 | 1 | 3.0 | 100.0 | 2.85 | <0.05 | 11.20 | 0.763 | 0.48 | 2.9 | 138 |
| W845152 | | 99.0 | 0.002 | 0.14 | 1.65 | 16.5 | 1 | 2.7 | 110.0 | 3.15 | <0.05 | 10.90 | 0.868 | 0.47 | 2.4 | 150 |
| W845153 | | 98.7 | <0.002 | 0.06 | 1.73 | 12.9 | 1 | 2.3 | 101.0 | 2.66 | <0.05 | 11.25 | 0.726 | 0.44 | 2.5 | 127 |
| W845154 | | 113.0 | <0.002 | 0.06 | 1.78 | 13.8 | 1 | 2.4 | 90.9 | 2.31 | <0.05 | 11.50 | 0.713 | 0.53 | 2.8 | 129 |
| W845155 | | 100.0 | 0.002 | 0.06 | 1.28 | 12.0 | 1 | 2.4 | 78.8 | 2.10 | <0.05 | 10.50 | 0.624 | 0.46 | 2.2 | 117 |
| W845156 | | 116.0 | 0.002 | 0.06 | 1.27 | 14.6 | 1 | 3.2 | 76.8 | 3.02 | <0.05 | 11.60 | 0.791 | 0.52 | 2.5 | 131 |
| W845157 | | 89.1 | <0.002 | 0.07 | 2.86 | 17.4 | 1 | 3.2 | 64.4 | 3.64 | 0.06 | 12.00 | 0.988 | 0.41 | 3.0 | 152 |
| W845158 | | 92.1 | <0.002 | 0.03 | 1.40 | 14.3 | 1 | 2.4 | 63.0 | 2.67 | <0.05 | 9.87 | 0.850 | 0.42 | 1.6 | 132 |
| W845159 | | 90.4 | 0.005 | 0.15 | 1.00 | 13.8 | 1 | 2.3 | 81.9 | 3.25 | <0.05 | 11.80 | 0.836 | 0.39 | 2.0 | 124 |
| W845160 | | 97.4 | 0.003 | 0.08 | 1.43 | 15.0 | 1 | 2.3 | 79.4 | 2.56 | <0.05 | 10.60 | 0.861 | 0.43 | 2.1 | 140 |
| W845161 | | 94.2 | 0.003 | 0.07 | 1.73 | 15.4 | 1 | 2.3 | 77.1 | 2.61 | <0.05 | 10.55 | 0.866 | 0.45 | 2.2 | 149 |
| W845162 | | 101.0 | <0.002 | 0.07 | 1.63 | 14.4 | 1 | 2.6 | 54.1 | 3.02 | 0.05 | 11.20 | 0.829 | 0.45 | 2.7 | 142 |
| W845163 | | 99.8 | <0.002 | 0.12 | 1.88 | 14.1 | 1 | 3.2 | 92.6 | 2.24 | 0.05 | 10.30 | 0.743 | 0.44 | 3.7 | 168 |
| W845164 | | 84.7 | 0.002 | 0.06 | 1.61 | 12.4 | 1 | 2.8 | 97.1 | 2.23 | <0.05 | 10.30 | 0.743 | 0.38 | 2.5 | 132 |
| W845165 | | 93.3 | 0.002 | 0.05 | 1.15 | 12.6 | 1 | 2.7 | 85.0 | 2.12 | <0.05 | 9.11 | 0.627 | 0.46 | 2.3 | 119 |
| W845166 | | 113.5 | <0.002 | 0.03 | 1.23 | 15.1 | 1 | 4.1 | 59.7 | 3.71 | <0.05 | 12.50 | 0.783 | 0.54 | 2.6 | 132 |
| W845167 | | 111.5 | 0.002 | 0.09 | 1.33 | 15.5 | 1 | 5.0 | 86.7 | 3.82 | 0.09 | 17.15 | 0.694 | 0.47 | 2.8 | 136 |
| W845168 | | 123.0 | <0.002 | 0.21 | 1.17 | 15.7 | 1 | 3.3 | 96.0 | 4.48 | <0.05 | 18.50 | 0.779 | 0.56 | 3.4 | 140 |
| W845169 | | 115.0 | 0.006 | 0.14 | 1.92 | 14.9 | 1 | 2.9 | 72.0 | 4.15 | <0.05 | 17.10 | 0.731 | 0.49 | 3.1 | 133 |
| W845170 | | 114.5 | 0.004 | 0.14 | 2.00 | 14.7 | 2 | 2.6 | 86.8 | 3.17 | 0.06 | 15.20 | 0.719 | 0.50 | 3.7 | 141 |
| W845171 | | 115.0 | 0.002 | 0.07 | 1.70 | 13.8 | 2 | 2.1 | 125.5 | 2.71 | 0.06 | 12.75 | 0.659 | 0.51 | 4.6 | 154 |
| W845172 | | 92.9 | 0.003 | 0.11 | 1.75 | 11.4 | 3 | 1.6 | 186.5 | 2.04 | 0.07 | 8.60 | 0.567 | 0.45 | 5.6 | 179 |
| W845173 | | 102.5 | <0.002 | 0.11 | 2.19 | 12.6 | 5 | 1.6 | 139.0 | 1.90 | 0.08 | 8.97 | 0.555 | 0.46 | 5.5 | 182 |
| W845174 | | 94.4 | 0.003 | 0.27 | 2.17 | 11.2 | 9 | 1.5 | 177.0 | 1.82 | 0.06 | 7.93 | 0.543 | 0.45 | 5.6 | 185 |
| W845175 | | 115.5 | 0.002 | 0.44 | 2.38 | 14.6 | 5 | 1.7 | 170.5 | 2.17 | 0.07 | 9.92 | 0.667 | 0.55 | 5.7 | 184 |
| W845176 | | 144.5 | <0.002 | 0.02 | 1.49 | 19.5 | 1 | 24.0 | 30.5 | 2.22 | <0.05 | 12.75 | 0.876 | 0.59 | 2.9 | 179 |
| W845177 | | 147.0 | <0.002 | 0.12 | 0.79 | 14.9 | 1 | 12.6 | 33.7 | 2.82 | <0.05 | 14.80 | 0.702 | 0.80 | 3.5 | 144 |
| W845178 | | 174.5 | <0.002 | 0.10 | 1.36 | 19.2 | 1 | 10.9 | 42.8 | 3.05 | <0.05 | 14.90 | 0.850 | 0.89 | 4.2 | 181 |
| W845179 | | 171.5 | <0.002 | 0.11 | 1.71 | 19.0 | 1 | 9.5 | 57.9 | 2.92 | <0.05 | 13.30 | 0.915 | 0.84 | 3.1 | 162 |
| W845180 | | 170.0 | <0.002 | 0.08 | 1.30 | 17.8 | 1 | 8.8 | 62.8 | 3.38 | 0.05 | 14.70 | 0.912 | 1.03 | 2.9 | 160 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W845141 | | 1.8 | 13.5 | 62 | 131.0 | <0.005 |
| W845142 | | 1.9 | 13.8 | 56 | 110.5 | <0.005 |
| W845143 | | 2.4 | 9.1 | 44 | 74.8 | 0.008 |
| W845144 | | 3.5 | 10.8 | 45 | 91.8 | 0.025 |
| W845145 | | 2.2 | 10.0 | 45 | 81.9 | 0.028 |
| W845146 | | 2.8 | 9.7 | 54 | 57.9 | 0.019 |
| W845147 | | 2.5 | 8.7 | 63 | 81.1 | 0.009 |
| W845148 | | 1.8 | 14.3 | 73 | 150.0 | <0.005 |
| W845149 | | 1.9 | 16.2 | 65 | 158.5 | <0.005 |
| W845150 | | 1.8 | 14.4 | 90 | 111.5 | <0.005 |
| W845151 | | 3.3 | 16.2 | 98 | 153.0 | <0.005 |
| W845152 | | 2.2 | 16.2 | 124 | 125.0 | <0.005 |
| W845153 | | 2.3 | 15.1 | 99 | 113.0 | 0.058 |
| W845154 | | 2.1 | 15.0 | 91 | 145.5 | <0.005 |
| W845155 | | 1.5 | 13.9 | 92 | 130.0 | <0.005 |
| W845156 | | 1.7 | 15.0 | 89 | 136.0 | <0.005 |
| W845157 | | 1.9 | 21.6 | 150 | 214 | 0.008 |
| W845158 | | 1.6 | 11.5 | 118 | 114.5 | <0.005 |
| W845159 | | 1.9 | 14.4 | 100 | 95.7 | <0.005 |
| W845160 | | 1.7 | 14.3 | 98 | 121.5 | <0.005 |
| W845161 | | 1.8 | 12.8 | 102 | 135.5 | <0.005 |
| W845162 | | 1.7 | 17.0 | 102 | 194.0 | <0.005 |
| W845163 | | 2.3 | 15.5 | 81 | 143.5 | <0.005 |
| W845164 | | 2.0 | 13.0 | 93 | 108.0 | <0.005 |
| W845165 | | 1.6 | 12.8 | 79 | 96.1 | <0.005 |
| W845166 | | 1.7 | 18.7 | 96 | 214 | <0.005 |
| W845167 | | 2.3 | 18.1 | 71 | 102.0 | <0.005 |
| W845168 | | 1.8 | 17.4 | 67 | 141.0 | <0.005 |
| W845169 | | 1.8 | 18.2 | 108 | 126.5 | <0.005 |
| W845170 | | 1.8 | 17.6 | 92 | 120.5 | <0.005 |
| W845171 | | 1.7 | 16.9 | 72 | 154.5 | <0.005 |
| W845172 | | 1.4 | 13.9 | 62 | 128.5 | <0.005 |
| W845173 | | 1.3 | 15.4 | 110 | 123.5 | <0.005 |
| W845174 | | 1.2 | 14.5 | 129 | 121.0 | <0.005 |
| W845175 | | 1.5 | 16.0 | 110 | 141.0 | <0.005 |
| W845176 | | 10.3 | 15.5 | 26 | 117.5 | 0.005 |
| W845177 | | 4.5 | 21.9 | 30 | 139.0 | 0.121 |
| W845178 | | 3.1 | 25.0 | 30 | 191.0 | 0.007 |
| W845179 | | 2.8 | 25.7 | 53 | 133.0 | 0.011 |
| W845180 | | 2.5 | 28.4 | 58 | 118.5 | <0.005 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W845181 | | 2.68 | 0.06 | 8.30 | 180.0 | 1590 | 2.86 | 0.55 | 0.63 | 0.47 | 116.5 | 21.4 | 70 | 6.83 | 39.6 | 6.06 |
| W845182 | | 2.53 | 0.02 | 8.36 | 81.4 | 1810 | 2.75 | 0.74 | 0.58 | 0.05 | 159.5 | 11.7 | 72 | 12.05 | 54.7 | 6.40 |
| W845183 | | 2.89 | 0.02 | 7.94 | 75.1 | 1810 | 2.42 | 0.47 | 0.59 | 0.05 | 149.0 | 13.7 | 68 | 13.25 | 37.4 | 6.07 |
| W845184 | | 2.85 | 0.03 | 8.32 | 79.3 | 1890 | 2.59 | 0.38 | 0.58 | 0.04 | 139.5 | 16.2 | 63 | 13.55 | 56.6 | 5.85 |
| W845185 | | 2.49 | 0.18 | 6.76 | 203 | 1650 | 2.39 | 1.43 | 0.41 | 0.17 | 75.6 | 16.7 | 50 | 10.55 | 81.4 | 6.08 |
| W845186 | | 2.24 | 0.03 | 5.91 | 80.3 | 1480 | 1.75 | 0.17 | 0.37 | 0.17 | 98.7 | 15.6 | 48 | 11.25 | 18.4 | 5.99 |
| W845187 | | 2.62 | 0.13 | 7.81 | 75.4 | 2130 | 2.52 | 0.26 | 0.50 | 0.68 | 123.5 | 24.4 | 61 | 16.50 | 43.2 | 7.98 |
| W845188 | | 2.45 | 0.02 | 6.90 | 61.4 | 1860 | 1.97 | 0.25 | 0.77 | 0.17 | 110.5 | 25.9 | 52 | 14.70 | 50.8 | 7.26 |
| W845189 | | 3.20 | 0.04 | 6.80 | 122.0 | 1680 | 2.26 | 0.40 | 0.55 | 0.22 | 123.5 | 23.6 | 59 | 12.80 | 47.9 | 6.61 |
| W845190 | | 3.20 | 0.03 | 7.46 | 114.5 | 1630 | 2.58 | 0.62 | 0.48 | 0.09 | 138.0 | 15.7 | 68 | 12.45 | 54.6 | 5.73 |
| W845191 | | 3.06 | 0.01 | 6.83 | 53.7 | 1600 | 2.45 | 0.44 | 1.32 | 0.16 | 123.5 | 14.7 | 62 | 11.30 | 31.5 | 5.44 |
| W845192 | | 3.09 | 0.03 | 6.93 | 88.7 | 1610 | 2.17 | 0.58 | 0.64 | 0.35 | 105.5 | 21.8 | 56 | 12.05 | 53.8 | 5.50 |
| W845193 | | 3.62 | 0.05 | 7.31 | 80.1 | 2110 | 2.33 | 0.44 | 0.86 | 0.30 | 142.5 | 17.6 | 43 | 14.60 | 22.6 | 6.72 |
| W845194 | | 3.51 | 0.03 | 7.03 | 39.1 | 1780 | 1.97 | 0.23 | 1.27 | 0.33 | 105.0 | 15.7 | 48 | 13.10 | 10.4 | 7.07 |
| W845195 | | 3.30 | 0.06 | 7.11 | 30.6 | 1430 | 2.19 | 0.25 | 1.18 | 0.46 | 119.0 | 13.1 | 45 | 8.87 | 12.0 | 6.23 |
| W845196 | | 3.51 | 0.05 | 7.23 | 28.5 | 1370 | 2.28 | 0.34 | 1.25 | 0.21 | 118.5 | 15.8 | 47 | 9.05 | 26.9 | 6.01 |
| W845197 | | 3.51 | 0.09 | 7.20 | 34.8 | 1350 | 2.13 | 0.69 | 1.44 | 0.61 | 103.0 | 18.0 | 48 | 8.06 | 39.2 | 6.62 |
| W845198 | | 3.38 | 0.16 | 7.13 | 62.7 | 1320 | 2.36 | 0.87 | 1.90 | 1.03 | 93.7 | 25.2 | 49 | 7.22 | 47.7 | 5.44 |
| W845199 | | 3.12 | 0.08 | 7.69 | 30.5 | 1500 | 2.50 | 0.67 | 2.55 | 0.32 | 119.0 | 12.9 | 48 | 5.15 | 39.0 | 3.32 |
| W845200 | | 3.28 | 0.08 | 5.40 | 66.0 | 1070 | 1.89 | 1.20 | 2.91 | 0.27 | 74.2 | 17.1 | 53 | 3.77 | 51.7 | 3.49 |
| W845201 | | 3.01 | 0.13 | 4.29 | 89.5 | 780 | 1.40 | 0.92 | 3.13 | 0.14 | 59.5 | 17.4 | 52 | 3.00 | 51.7 | 3.59 |
| W845202 | | 3.19 | 0.15 | 4.19 | 44.0 | 500 | 1.34 | 0.30 | 3.58 | 0.12 | 50.3 | 14.3 | 51 | 2.91 | 67.6 | 3.54 |
| W845203 | | 3.00 | 0.32 | 4.20 | 58.6 | 880 | 1.40 | 0.25 | 3.23 | 0.09 | 65.0 | 17.4 | 55 | 3.17 | 56.7 | 3.39 |
| W845204 | | 2.96 | 0.25 | 4.18 | 58.3 | 1060 | 1.29 | 0.20 | 3.65 | 0.11 | 59.0 | 18.8 | 55 | 2.89 | 40.0 | 3.58 |
| W845205 | | 2.85 | 0.34 | 4.35 | 82.9 | 840 | 1.47 | 0.18 | 3.10 | 0.08 | 71.1 | 18.7 | 54 | 3.12 | 61.8 | 3.56 |
| W845206 | | 3.47 | 0.29 | 3.77 | 72.2 | 1010 | 1.20 | 0.17 | 3.29 | 0.07 | 60.2 | 19.6 | 51 | 2.52 | 54.3 | 3.52 |
| W845207 | | 3.86 | 0.23 | 3.42 | 118.5 | 930 | 1.07 | 0.21 | 5.89 | 0.09 | 58.1 | 18.7 | 57 | 2.19 | 61.8 | 4.36 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W845181 | | 22.2 | 0.15 | 4.5 | 0.083 | 3.55 | 61.5 | 28.9 | 1.22 | 637 | 2.10 | 0.08 | 65.6 | 49.2 | 2520 | 24.9 |
| W845182 | | 22.6 | 0.17 | 3.9 | 0.085 | 4.28 | 84.6 | 18.3 | 1.35 | 627 | 1.47 | 0.08 | 79.4 | 29.0 | 2220 | 4.6 |
| W845183 | | 22.0 | 0.17 | 4.2 | 0.081 | 4.24 | 78.3 | 19.2 | 1.45 | 599 | 1.55 | 0.07 | 73.2 | 28.1 | 2050 | 3.1 |
| W845184 | | 22.8 | 0.16 | 4.4 | 0.081 | 4.20 | 74.3 | 20.8 | 1.38 | 737 | 1.29 | 0.08 | 76.9 | 31.2 | 1890 | 3.8 |
| W845185 | | 17.65 | 0.12 | 3.7 | 0.091 | 3.07 | 40.2 | 23.6 | 1.36 | 721 | 1.52 | 0.06 | 56.1 | 49.5 | 2240 | 13.6 |
| W845186 | | 15.30 | 0.12 | 2.6 | 0.060 | 2.56 | 53.5 | 25.2 | 1.72 | 1010 | 1.52 | 0.05 | 39.3 | 32.9 | 1440 | 7.1 |
| W845187 | | 20.6 | 0.17 | 3.8 | 0.081 | 3.65 | 66.7 | 39.5 | 2.06 | 1060 | 1.36 | 0.07 | 59.4 | 46.7 | 1860 | 35.2 |
| W845188 | | 18.10 | 0.14 | 2.7 | 0.067 | 3.66 | 58.8 | 27.7 | 1.90 | 939 | 1.08 | 0.07 | 54.5 | 41.9 | 1660 | 6.4 |
| W845189 | | 18.55 | 0.16 | 3.7 | 0.074 | 3.44 | 66.3 | 24.6 | 1.60 | 994 | 1.49 | 0.06 | 59.6 | 51.2 | 1500 | 6.0 |
| W845190 | | 21.3 | 0.16 | 4.9 | 0.082 | 3.79 | 74.3 | 20.9 | 1.66 | 678 | 2.11 | 0.06 | 70.9 | 33.0 | 1480 | 10.2 |
| W845191 | | 18.95 | 0.15 | 2.8 | 0.077 | 3.54 | 65.9 | 22.3 | 1.84 | 868 | 1.64 | 0.05 | 62.4 | 30.3 | 1620 | 10.4 |
| W845192 | | 18.50 | 0.14 | 3.9 | 0.071 | 3.56 | 55.7 | 20.7 | 1.66 | 798 | 2.37 | 0.05 | 51.6 | 40.5 | 2000 | 8.1 |
| W845193 | | 20.1 | 0.17 | 1.4 | 0.080 | 3.87 | 77.4 | 20.4 | 1.84 | 898 | 0.70 | 0.08 | 63.1 | 34.2 | 1730 | 13.6 |
| W845194 | | 17.65 | 0.14 | 1.2 | 0.063 | 3.54 | 55.1 | 22.7 | 1.97 | 806 | 0.69 | 0.15 | 43.3 | 27.0 | 1420 | 13.7 |
| W845195 | | 18.85 | 0.15 | 1.4 | 0.066 | 3.50 | 60.9 | 19.8 | 1.75 | 760 | 0.58 | 0.14 | 56.4 | 22.7 | 1630 | 18.0 |
| W845196 | | 19.10 | 0.14 | 1.8 | 0.073 | 3.65 | 62.3 | 16.4 | 1.72 | 714 | 0.65 | 0.11 | 55.6 | 27.4 | 1550 | 9.6 |
| W845197 | | 18.10 | 0.15 | 1.9 | 0.095 | 3.63 | 53.5 | 16.3 | 1.92 | 795 | 1.49 | 0.08 | 45.6 | 29.7 | 1770 | 22.5 |
| W845198 | | 18.10 | 0.13 | 3.0 | 0.096 | 3.43 | 48.8 | 18.0 | 1.85 | 741 | 1.30 | 0.05 | 40.4 | 28.2 | 1670 | 44.9 |
| W845199 | | 20.5 | 0.13 | 3.2 | 0.084 | 3.69 | 63.3 | 9.6 | 1.47 | 536 | 1.46 | 0.06 | 61.7 | 22.0 | 1710 | 11.8 |
| W845200 | | 14.00 | 0.10 | 2.8 | 0.057 | 2.62 | 39.5 | 8.0 | 1.44 | 591 | 5.04 | 0.04 | 35.0 | 37.1 | 1570 | 6.6 |
| W845201 | | 10.90 | 0.10 | 2.5 | 0.037 | 2.09 | 31.6 | 5.9 | 1.48 | 769 | 5.58 | 0.03 | 23.4 | 46.9 | 1990 | 6.1 |
| W845202 | | 10.40 | 0.08 | 2.3 | 0.038 | 2.04 | 26.7 | 5.8 | 1.73 | 661 | 5.90 | 0.03 | 22.7 | 40.4 | 1320 | 6.9 |
| W845203 | | 12.65 | 0.16 | 2.7 | 0.035 | 2.05 | 33.5 | 6.0 | 1.53 | 514 | 8.07 | 0.03 | 23.1 | 43.9 | 1350 | 14.8 |
| W845204 | | 11.95 | 0.15 | 2.6 | 0.032 | 2.03 | 31.4 | 5.4 | 1.69 | 711 | 6.75 | 0.03 | 22.1 | 43.7 | 1590 | 9.8 |
| W845205 | | 12.85 | 0.16 | 2.7 | 0.037 | 2.11 | 37.7 | 5.0 | 1.49 | 622 | 8.03 | 0.04 | 22.4 | 49.3 | 1460 | 7.9 |
| W845206 | | 10.70 | 0.15 | 2.3 | 0.033 | 1.83 | 31.5 | 4.3 | 1.52 | 762 | 5.87 | 0.03 | 19.6 | 48.4 | 1270 | 7.5 |
| W845207 | | 9.95 | 0.13 | 1.9 | 0.045 | 1.62 | 30.8 | 4.5 | 2.59 | 1280 | 5.91 | 0.03 | 16.7 | 45.4 | 1560 | 7.9 |

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

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Project: Rau


**Finalized Date: 7-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W845181 | | 145.0 | <0.002 | 0.05 | 2.00 | 19.5 | 1 | 9.5 | 45.2 | 3.32 | <0.05 | 15.20 | 0.931 | 0.64 | 4.5 | 173 |
| W845182 | | 179.5 | <0.002 | 0.16 | 1.68 | 20.0 | 1 | 7.3 | 56.6 | 4.00 | 0.05 | 16.60 | 1.050 | 1.00 | 3.7 | 178 |
| W845183 | | 176.5 | 0.004 | 0.41 | 1.25 | 19.8 | 1 | 7.2 | 41.6 | 3.71 | <0.05 | 15.80 | 1.010 | 1.07 | 3.3 | 169 |
| W845184 | | 173.5 | 0.003 | 0.33 | 2.00 | 20.1 | 1 | 8.3 | 38.3 | 3.83 | <0.05 | 15.65 | 1.030 | 1.07 | 3.3 | 165 |
| W845185 | | 130.0 | <0.002 | 0.04 | 3.40 | 16.5 | 1 | 9.5 | 121.5 | 2.98 | 0.06 | 12.25 | 0.793 | 0.85 | 4.0 | 309 |
| W845186 | | 116.5 | <0.002 | 0.02 | 1.10 | 14.0 | 1 | 8.1 | 30.1 | 2.01 | <0.05 | 9.36 | 0.687 | 0.84 | 2.2 | 132 |
| W845187 | | 166.0 | <0.002 | 0.16 | 1.68 | 20.6 | 1 | 10.1 | 38.2 | 3.02 | <0.05 | 13.95 | 0.981 | 1.27 | 3.1 | 193 |
| W845188 | | 156.5 | 0.003 | 0.24 | 0.69 | 17.4 | 1 | 7.3 | 46.4 | 2.80 | 0.05 | 12.80 | 0.876 | 1.12 | 2.3 | 172 |
| W845189 | | 145.0 | 0.003 | 0.13 | 1.43 | 16.1 | 1 | 7.1 | 41.5 | 3.09 | 0.05 | 14.00 | 0.791 | 0.92 | 3.1 | 156 |
| W845190 | | 159.0 | 0.004 | 0.14 | 1.37 | 16.4 | 1 | 9.0 | 41.8 | 3.68 | 0.05 | 15.75 | 0.788 | 0.89 | 4.0 | 157 |
| W845191 | | 150.0 | 0.003 | 0.29 | 0.89 | 14.7 | 1 | 8.7 | 42.7 | 3.17 | <0.05 | 14.10 | 0.736 | 0.85 | 2.6 | 134 |
| W845192 | | 149.5 | 0.003 | 0.25 | 0.64 | 15.3 | 1 | 8.2 | 35.2 | 2.72 | 0.05 | 13.05 | 0.767 | 0.87 | 3.2 | 142 |
| W845193 | | 158.5 | <0.002 | 0.14 | 1.80 | 17.1 | 1 | 8.6 | 48.4 | 3.30 | <0.05 | 14.00 | 0.979 | 1.07 | 1.2 | 150 |
| W845194 | | 140.0 | <0.002 | 0.07 | 0.77 | 16.0 | 1 | 7.0 | 90.6 | 2.31 | <0.05 | 11.60 | 0.848 | 1.01 | 1.2 | 144 |
| W845195 | | 138.5 | <0.002 | 0.07 | 0.81 | 15.7 | 1 | 6.1 | 96.3 | 3.03 | <0.05 | 12.75 | 0.871 | 0.78 | 1.2 | 137 |
| W845196 | | 147.0 | <0.002 | 0.14 | 1.09 | 15.8 | 1 | 6.1 | 75.4 | 2.98 | 0.05 | 12.85 | 0.841 | 0.77 | 1.5 | 138 |
| W845197 | | 142.5 | 0.002 | 0.37 | 1.75 | 16.7 | 1 | 6.6 | 62.0 | 2.44 | <0.05 | 10.75 | 0.868 | 0.82 | 2.0 | 156 |
| W845198 | | 134.5 | 0.003 | 0.45 | 1.52 | 17.1 | 1 | 6.7 | 63.5 | 2.20 | 0.05 | 10.90 | 0.827 | 0.71 | 3.0 | 156 |
| W845199 | | 137.5 | 0.003 | 0.68 | 1.21 | 16.6 | 1 | 6.7 | 83.0 | 3.31 | <0.05 | 13.80 | 0.810 | 0.62 | 2.7 | 144 |
| W845200 | | 102.5 | 0.011 | 1.14 | 1.05 | 11.8 | 2 | 6.1 | 98.5 | 1.85 | 0.06 | 9.49 | 0.510 | 0.49 | 4.4 | 145 |
| W845201 | | 81.7 | 0.011 | 1.49 | 2.09 | 9.4 | 2 | 4.4 | 88.6 | 1.26 | 0.07 | 6.41 | 0.376 | 0.48 | 3.7 | 140 |
| W845202 | | 78.6 | 0.012 | 1.73 | 2.36 | 9.0 | 3 | 3.4 | 94.1 | 1.24 | 0.05 | 6.43 | 0.366 | 0.57 | 3.7 | 138 |
| W845203 | | 86.0 | 0.017 | 2.01 | 5.36 | 10.4 | 3 | 3.2 | 83.5 | 1.26 | 0.06 | 7.72 | 0.410 | 0.67 | 4.5 | 154 |
| W845204 | | 80.3 | 0.010 | 1.59 | 3.98 | 9.6 | 2 | 2.6 | 89.1 | 1.20 | 0.06 | 7.32 | 0.393 | 0.67 | 4.3 | 145 |
| W845205 | | 84.9 | 0.015 | 1.84 | 4.84 | 10.2 | 3 | 2.7 | 78.8 | 1.21 | 0.07 | 7.82 | 0.395 | 0.72 | 4.5 | 157 |
| W845206 | | 72.3 | 0.010 | 1.77 | 4.19 | 8.8 | 3 | 2.3 | 75.7 | 1.11 | 0.05 | 6.57 | 0.361 | 0.60 | 3.6 | 125 |
| W845207 | | 68.1 | 0.009 | 1.67 | 3.01 | 8.3 | 2 | 3.2 | 113.0 | 0.93 | 0.07 | 6.41 | 0.279 | 0.51 | 2.9 | 134 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20165305

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W845181 | | 2.7 | 28.8 | 80 | 193.5 | <0.005 |
| W845182 | | 2.3 | 28.7 | 44 | 187.5 | 0.016 |
| W845183 | | 2.1 | 28.0 | 48 | 167.5 | <0.005 |
| W845184 | | 2.3 | 31.0 | 45 | 190.5 | <0.005 |
| W845185 | | 3.6 | 22.5 | 59 | 147.0 | 0.005 |
| W845186 | | 4.7 | 19.9 | 59 | 103.5 | 0.008 |
| W845187 | | 2.9 | 28.3 | 146 | 160.5 | 0.012 |
| W845188 | | 2.3 | 20.3 | 78 | 103.5 | 0.005 |
| W845189 | | 2.1 | 26.0 | 72 | 141.5 | 0.006 |
| W845190 | | 2.4 | 29.4 | 53 | 207 | 0.008 |
| W845191 | | 2.5 | 24.6 | 67 | 124.0 | 0.013 |
| W845192 | | 2.4 | 24.8 | 87 | 161.0 | 0.015 |
| W845193 | | 2.8 | 26.1 | 110 | 48.1 | 0.005 |
| W845194 | | 2.5 | 18.9 | 130 | 59.8 | <0.005 |
| W845195 | | 1.9 | 21.0 | 123 | 65.6 | <0.005 |
| W845196 | | 2.0 | 23.6 | 100 | 76.4 | <0.005 |
| W845197 | | 2.3 | 24.2 | 120 | 65.9 | <0.005 |
| W845198 | | 2.4 | 22.6 | 99 | 144.5 | <0.005 |
| W845199 | | 2.0 | 23.4 | 29 | 154.5 | <0.005 |
| W845200 | | 1.7 | 15.7 | 22 | 120.0 | <0.005 |
| W845201 | | 1.3 | 12.7 | 26 | 99.1 | 0.031 |
| W845202 | | 1.3 | 10.7 | 22 | 98.6 | 0.013 |
| W845203 | | 1.6 | 10.9 | 19 | 110.0 | 0.015 |
| W845204 | | 1.2 | 10.9 | 23 | 105.0 | 0.015 |
| W845205 | | 1.2 | 11.5 | 20 | 108.0 | 0.017 |
| W845206 | | 1.2 | 10.7 | 19 | 96.3 | 0.015 |
| W845207 | | 1.4 | 13.3 | 25 | 79.0 | 0.012 |

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

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Project: Rau


**Finalized Date: 7-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20165305

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20168510

Project: Rau

P.O. No.: R20-B02

This report is for 110 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 6-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843651 | | 3.55 | 0.05 | 6.96 | 239 | 1430 | 2.20 | 0.31 | 0.65 | 0.10 | 150.0 | 31.4 | 41 | 13.90 | 35.0 | 14.85 |
| W843652 | | 3.30 | 0.10 | 7.39 | 206 | 1330 | 2.35 | 0.52 | 1.52 | 0.12 | 124.0 | 23.8 | 38 | 12.40 | 61.6 | 8.43 |
| W843653 | | 2.68 | 0.12 | 7.39 | 300 | 1420 | 2.11 | 0.79 | 2.80 | 0.04 | 111.0 | 18.9 | 40 | 4.79 | 73.1 | 4.55 |
| W843654 | | 3.64 | 0.03 | 6.24 | 120.0 | 1430 | 1.61 | 0.18 | 0.32 | 0.05 | 82.0 | 16.8 | 53 | 12.55 | 17.9 | 7.48 |
| W843655 | | 4.00 | 0.10 | 7.44 | 90.2 | 2030 | 1.97 | 0.54 | 0.64 | 0.08 | 115.5 | 29.9 | 36 | 24.0 | 53.8 | 14.60 |
| W843656 | | 4.06 | 0.03 | 7.12 | 150.0 | 1640 | 1.45 | 0.20 | 0.54 | 0.02 | 95.5 | 24.8 | 41 | 22.2 | 36.8 | 13.10 |
| W843657 | | 4.45 | 0.05 | 7.50 | 116.0 | 1960 | 1.97 | 0.30 | 0.65 | 0.06 | 121.5 | 33.0 | 36 | 26.6 | 71.5 | 15.85 |
| W843658 | | 4.41 | 0.08 | 5.96 | 203 | 1440 | 1.35 | 0.40 | 0.41 | 0.05 | 143.5 | 29.0 | 38 | 18.60 | 48.6 | 11.80 |
| W843659 | | 3.04 | 0.09 | 5.71 | 189.5 | 1430 | 1.75 | 0.47 | 2.61 | 0.02 | 76.6 | 14.1 | 49 | 3.85 | 56.3 | 3.04 |
| W843660 | | 3.59 | 0.12 | 6.66 | 312 | 1220 | 2.08 | 0.33 | 1.18 | 0.07 | 124.0 | 26.4 | 45 | 4.07 | 35.2 | 8.57 |
| W843661 | | 3.00 | 0.72 | 7.11 | 337 | 950 | 2.24 | 1.74 | 0.46 | <0.02 | 82.7 | 12.8 | 53 | 4.84 | 18.3 | 8.12 |
| W843662 | | 3.42 | 0.22 | 5.91 | 215 | 2740 | 1.68 | 0.63 | 0.31 | 0.10 | 68.3 | 9.0 | 53 | 3.73 | 8.2 | 6.90 |
| W843663 | | 3.27 | 0.30 | 6.82 | 254 | 740 | 1.88 | 0.38 | 0.69 | 0.22 | 120.0 | 25.1 | 43 | 3.50 | 50.0 | 11.20 |
| W843664 | | 3.26 | 0.16 | 6.41 | 492 | 730 | 1.91 | 0.46 | 0.42 | 0.28 | 85.1 | 25.4 | 51 | 5.44 | 30.0 | 7.77 |
| W843665 | | 2.85 | 0.21 | 7.83 | 241 | 2330 | 2.32 | 0.90 | 2.64 | 0.07 | 134.5 | 18.0 | 58 | 4.53 | 15.5 | 3.37 |
| W843666 | | 2.56 | 0.09 | 7.47 | 124.5 | 1400 | 2.24 | 0.54 | 1.70 | 0.05 | 132.0 | 13.2 | 61 | 6.99 | 38.0 | 5.62 |
| W843667 | | 2.26 | 0.05 | 7.01 | 92.0 | 1470 | 2.08 | 0.48 | 1.83 | 0.07 | 116.5 | 13.1 | 58 | 7.29 | 30.9 | 6.39 |
| W843668 | | 2.19 | 0.06 | 8.42 | 76.3 | 1750 | 2.89 | 1.06 | 1.10 | 0.05 | 145.0 | 17.7 | 59 | 8.67 | 80.7 | 6.27 |
| W843669 | | 2.77 | 0.20 | 7.75 | 285 | 1490 | 2.70 | 1.65 | 3.06 | 0.04 | 139.0 | 28.7 | 60 | 5.57 | 48.2 | 5.42 |
| W843670 | | 2.55 | 0.08 | 7.16 | 217 | 1620 | 2.78 | 2.53 | 3.36 | 0.06 | 122.0 | 15.4 | 63 | 4.82 | 56.8 | 3.69 |
| W843671 | | 2.24 | 0.09 | 6.53 | 518 | 1400 | 2.60 | 2.10 | 2.57 | 0.07 | 107.0 | 19.2 | 62 | 4.34 | 32.5 | 3.61 |
| W843672 | | 1.51 | 0.10 | 5.98 | 395 | 1350 | 2.25 | 2.06 | 2.91 | 0.09 | 97.0 | 18.0 | 56 | 4.00 | 33.0 | 3.73 |
| W843673 | | 3.88 | 0.09 | 6.30 | 937 | 1410 | 2.35 | 1.88 | 2.76 | 0.06 | 103.0 | 22.8 | 63 | 4.01 | 21.6 | 3.08 |
| W843674 | | 4.20 | 0.11 | 6.16 | 580 | 1300 | 2.23 | 1.29 | 2.72 | 0.06 | 94.0 | 17.3 | 60 | 4.14 | 20.8 | 2.77 |
| W843675 | | 2.65 | 0.08 | 7.00 | 831 | 1350 | 2.67 | 1.31 | 2.67 | 0.03 | 101.0 | 20.2 | 60 | 4.67 | 15.3 | 2.48 |
| W843676 | | 3.12 | 0.13 | 6.98 | 730 | 1390 | 2.74 | 1.29 | 2.70 | 0.03 | 93.9 | 21.9 | 63 | 4.95 | 23.3 | 3.06 |
| W843677 | | 2.94 | 0.08 | 6.76 | 400 | 1440 | 2.62 | 1.42 | 2.68 | 0.04 | 94.0 | 18.6 | 60 | 4.82 | 38.3 | 3.32 |
| W843678 | | 2.32 | 0.12 | 7.56 | 1760 | 1640 | 2.65 | 1.39 | 0.48 | 0.11 | 117.5 | 37.8 | 52 | 5.99 | 247 | 6.39 |
| W843679 | | 2.57 | 0.07 | 8.47 | 510 | 1790 | 3.30 | 1.30 | 0.65 | 0.11 | 139.5 | 28.3 | 58 | 8.81 | 79.6 | 6.38 |
| W843680 | | 2.72 | 0.04 | 7.87 | 150.5 | 1720 | 2.80 | 1.23 | 1.72 | 0.05 | 133.0 | 20.8 | 60 | 6.79 | 55.0 | 4.57 |
| W843681 | | 2.56 | 0.07 | 6.71 | 180.5 | 1460 | 2.45 | 1.04 | 2.73 | 0.19 | 105.5 | 22.6 | 50 | 4.77 | 66.1 | 4.39 |
| W843682 | | 2.77 | 0.09 | 7.94 | 120.0 | 1950 | 3.01 | 1.95 | 0.50 | 0.07 | 112.5 | 14.9 | 74 | 10.40 | 79.6 | 6.37 |
| W843683 | | 2.49 | 0.06 | 6.59 | 131.5 | 1680 | 2.54 | 2.94 | 1.17 | 0.09 | 77.5 | 12.1 | 61 | 6.57 | 36.3 | 4.12 |
| W843684 | | 2.49 | 0.06 | 6.96 | 41.5 | 560 | 2.66 | 3.04 | 2.75 | 0.08 | 98.3 | 11.2 | 62 | 6.25 | 61.6 | 4.18 |
| W843685 | | 2.58 | 0.13 | 6.44 | 167.0 | 430 | 2.62 | 3.35 | 2.23 | 0.09 | 109.5 | 29.1 | 58 | 4.85 | 124.5 | 6.54 |
| W843686 | | 3.21 | 0.05 | 7.27 | 154.5 | 1850 | 2.62 | 0.98 | 0.46 | 0.04 | 109.5 | 17.7 | 64 | 11.40 | 90.1 | 5.03 |
| W843687 | | 2.89 | 0.09 | 3.59 | 207 | 800 | 1.20 | 0.33 | 6.19 | 0.22 | 67.6 | 25.4 | 34 | 2.68 | 42.5 | 5.48 |
| W843688 | | 2.45 | 0.08 | 7.79 | 96.6 | 1990 | 2.77 | 0.56 | 0.69 | 0.06 | 105.5 | 15.0 | 72 | 10.45 | 37.0 | 5.50 |
| W843689 | | 2.34 | 0.10 | 5.79 | 190.5 | 1430 | 2.23 | 0.80 | 2.25 | 0.91 | 101.5 | 17.5 | 52 | 4.30 | 42.3 | 4.01 |
| W843690 | | 2.59 | 0.06 | 4.90 | 179.5 | 1180 | 1.97 | 0.54 | 1.23 | 0.18 | 71.7 | 14.4 | 45 | 4.38 | 27.6 | 3.38 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843651 | | 20.5 | 0.19 | 1.2 | 0.071 | 2.71 | 80.2 | 41.4 | 3.32 | 1820 | 0.94 | 0.03 | 57.7 | 61.7 | 2180 | 3.0 |
| W843652 | | 21.0 | 0.18 | 0.6 | 0.057 | 3.50 | 68.1 | 23.2 | 2.25 | 2090 | 0.78 | 0.07 | 52.6 | 66.4 | 2710 | 4.8 |
| W843653 | | 21.7 | 0.17 | 2.7 | 0.066 | 3.53 | 60.3 | 7.7 | 0.99 | 1600 | 1.23 | 0.09 | 60.6 | 45.3 | 2670 | 3.4 |
| W843654 | | 17.60 | 0.16 | 1.5 | 0.062 | 3.26 | 43.1 | 23.4 | 1.79 | 922 | 0.71 | 0.05 | 31.5 | 39.0 | 1120 | 3.5 |
| W843655 | | 21.8 | 0.18 | 1.1 | 0.083 | 4.07 | 59.2 | 48.3 | 3.41 | 1570 | 0.67 | 0.04 | 63.8 | 63.7 | 2470 | 6.8 |
| W843656 | | 20.6 | 0.15 | 0.9 | 0.066 | 3.44 | 48.7 | 37.4 | 2.75 | 1360 | 0.57 | 0.03 | 58.1 | 65.9 | 2270 | 2.4 |
| W843657 | | 21.4 | 0.18 | 1.3 | 0.064 | 3.82 | 62.2 | 42.3 | 3.49 | 1560 | 0.48 | 0.02 | 61.2 | 78.4 | 2570 | 4.7 |
| W843658 | | 19.00 | 0.18 | 0.6 | 0.067 | 2.91 | 74.5 | 37.3 | 2.74 | 1140 | 0.73 | 0.02 | 45.8 | 45.6 | 1740 | 3.2 |
| W843659 | | 16.80 | 0.14 | 1.9 | 0.055 | 2.69 | 40.7 | 6.3 | 1.37 | 1020 | 0.91 | 0.08 | 25.4 | 31.4 | 1080 | 3.4 |
| W843660 | | 19.25 | 0.16 | 1.2 | 0.065 | 2.05 | 64.9 | 16.1 | 1.27 | 1920 | 1.05 | 0.04 | 43.0 | 60.3 | 2080 | 3.4 |
| W843661 | | 19.90 | 0.14 | 2.2 | 0.467 | 3.53 | 42.6 | 3.7 | 0.64 | 6930 | 1.80 | 0.05 | 31.3 | 27.1 | 2000 | 12.4 |
| W843662 | | 15.95 | 0.12 | 1.4 | 0.184 | 2.91 | 36.9 | 2.9 | 0.64 | 5350 | 1.17 | 0.05 | 21.0 | 24.7 | 1150 | 10.6 |
| W843663 | | 18.60 | 0.15 | 0.6 | 0.068 | 2.00 | 61.0 | 17.8 | 0.78 | 3530 | 1.33 | 0.02 | 37.4 | 62.0 | 2180 | 9.2 |
| W843664 | | 17.40 | 0.13 | 1.0 | 0.065 | 2.44 | 45.5 | 10.0 | 1.10 | 2090 | 1.47 | 0.04 | 22.8 | 55.0 | 1430 | 6.8 |
| W843665 | | 24.6 | 0.20 | 2.8 | 0.073 | 3.75 | 70.6 | 8.7 | 1.34 | 1100 | 1.66 | 0.06 | 66.5 | 37.9 | 1940 | 9.2 |
| W843666 | | 22.5 | 0.18 | 2.0 | 0.083 | 3.56 | 68.3 | 6.7 | 1.56 | 1290 | 1.71 | 0.05 | 60.2 | 35.0 | 1600 | 2.9 |
| W843667 | | 19.55 | 0.16 | 1.4 | 0.091 | 3.36 | 59.9 | 10.1 | 1.88 | 1180 | 1.14 | 0.05 | 58.1 | 31.9 | 1550 | 2.6 |
| W843668 | | 25.2 | 0.21 | 3.0 | 0.096 | 4.02 | 74.5 | 8.4 | 1.30 | 790 | 1.22 | 0.07 | 73.4 | 36.9 | 2020 | 3.3 |
| W843669 | | 22.4 | 0.20 | 2.7 | 0.119 | 3.75 | 74.4 | 7.6 | 1.62 | 1480 | 1.86 | 0.06 | 63.4 | 43.7 | 2460 | 5.1 |
| W843670 | | 20.6 | 0.21 | 3.0 | 0.068 | 3.60 | 64.1 | 9.2 | 1.75 | 1040 | 1.49 | 0.06 | 51.4 | 40.0 | 2690 | 3.1 |
| W843671 | | 19.55 | 0.20 | 3.5 | 0.065 | 3.27 | 57.9 | 9.3 | 1.40 | 1020 | 2.73 | 0.05 | 49.5 | 38.4 | 2090 | 3.8 |
| W843672 | | 17.15 | 0.17 | 2.4 | 0.068 | 2.94 | 51.6 | 7.9 | 1.51 | 1110 | 2.08 | 0.05 | 45.0 | 37.7 | 2350 | 4.2 |
| W843673 | | 18.90 | 0.20 | 2.8 | 0.069 | 3.07 | 56.0 | 8.9 | 1.51 | 1010 | 2.71 | 0.05 | 48.1 | 40.0 | 1770 | 5.5 |
| W843674 | | 19.20 | 0.19 | 2.6 | 0.080 | 3.04 | 50.5 | 8.8 | 1.46 | 1040 | 2.30 | 0.05 | 45.0 | 32.1 | 1670 | 5.8 |
| W843675 | | 21.8 | 0.24 | 3.7 | 0.077 | 3.47 | 55.7 | 10.9 | 1.45 | 933 | 2.05 | 0.06 | 42.4 | 38.1 | 1830 | 3.8 |
| W843676 | | 21.7 | 0.29 | 2.8 | 0.070 | 3.44 | 51.2 | 10.9 | 1.47 | 971 | 2.39 | 0.06 | 41.6 | 42.4 | 1850 | 3.3 |
| W843677 | | 20.2 | 0.33 | 3.1 | 0.072 | 3.38 | 51.3 | 9.4 | 1.44 | 975 | 2.38 | 0.06 | 45.1 | 37.5 | 1950 | 3.0 |
| W843678 | | 22.5 | 0.26 | 2.7 | 0.092 | 3.53 | 65.8 | 12.7 | 0.75 | 725 | 2.06 | 0.14 | 51.6 | 54.9 | 1710 | 6.1 |
| W843679 | | 25.2 | 0.34 | 4.6 | 0.109 | 4.03 | 74.5 | 14.4 | 1.09 | 744 | 2.07 | 0.10 | 64.3 | 59.5 | 2700 | 3.9 |
| W843680 | | 23.7 | 0.29 | 2.9 | 0.089 | 3.88 | 72.4 | 11.6 | 0.77 | 940 | 1.78 | 0.09 | 56.1 | 47.1 | 2200 | 3.1 |
| W843681 | | 19.55 | 0.30 | 3.7 | 0.074 | 3.21 | 54.8 | 9.8 | 0.83 | 1340 | 2.82 | 0.08 | 49.7 | 51.8 | 2000 | 5.2 |
| W843682 | | 23.7 | 0.26 | 4.5 | 0.098 | 3.97 | 61.3 | 16.4 | 0.97 | 361 | 1.73 | 0.08 | 49.8 | 31.8 | 2360 | 4.7 |
| W843683 | | 20.7 | 0.29 | 3.4 | 0.089 | 3.32 | 43.7 | 11.8 | 0.69 | 542 | 4.64 | 0.07 | 41.8 | 28.7 | 3160 | 5.4 |
| W843684 | | 21.2 | 0.26 | 4.4 | 0.086 | 3.42 | 52.1 | 11.7 | 0.75 | 366 | 3.04 | 0.07 | 45.5 | 36.5 | 3620 | 4.3 |
| W843685 | | 19.45 | 0.28 | 3.6 | 0.067 | 3.14 | 63.1 | 10.6 | 0.63 | 524 | 7.26 | 0.06 | 36.4 | 55.4 | 4840 | 4.6 |
| W843686 | | 21.4 | 0.27 | 3.0 | 0.080 | 3.65 | 56.9 | 13.7 | 1.08 | 288 | 3.53 | 0.07 | 40.8 | 36.3 | 2050 | 3.9 |
| W843687 | | 10.25 | 0.18 | 1.8 | 0.065 | 1.70 | 36.2 | 5.4 | 2.42 | 2770 | 2.60 | 0.05 | 18.4 | 44.4 | 910 | 11.4 |
| W843688 | | 22.9 | 0.26 | 4.3 | 0.086 | 3.70 | 58.4 | 20.2 | 1.58 | 487 | 2.39 | 0.07 | 51.6 | 50.2 | 1800 | 4.7 |
| W843689 | | 17.85 | 0.29 | 3.1 | 0.098 | 2.73 | 55.6 | 12.2 | 1.37 | 2010 | 3.07 | 0.07 | 40.7 | 51.1 | 1560 | 11.2 |
| W843690 | | 15.05 | 0.19 | 2.4 | 0.059 | 2.25 | 41.3 | 12.5 | 1.00 | 1020 | 2.23 | 0.06 | 30.7 | 37.6 | 1250 | 6.7 |

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

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Project: Rau


**Finalized Date: 7-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843651 | | 119.5 | <0.002 | 0.14 | 1.12 | 17.7 | 1 | 11.1 | 35.5 | 2.78 | 0.06 | 9.20 | 1.040 | 1.01 | 1.4 | 185 |
| W843652 | | 160.5 | <0.002 | 0.06 | 0.97 | 17.7 | 1 | 13.2 | 50.3 | 2.50 | <0.05 | 8.70 | 0.950 | 1.11 | 1.1 | 193 |
| W843653 | | 157.0 | <0.002 | 0.05 | 1.76 | 19.5 | 1 | 18.9 | 64.7 | 2.87 | <0.05 | 10.30 | 1.040 | 0.67 | 2.8 | 240 |
| W843654 | | 141.0 | <0.002 | 0.04 | 0.88 | 14.3 | <1 | 9.3 | 24.0 | 1.55 | <0.05 | 9.10 | 0.659 | 0.94 | 1.3 | 124 |
| W843655 | | 181.0 | <0.002 | 0.19 | 2.52 | 18.6 | 1 | 12.7 | 41.7 | 2.83 | <0.05 | 9.55 | 1.090 | 1.52 | 1.1 | 188 |
| W843656 | | 154.5 | <0.002 | 0.14 | 1.07 | 17.7 | 1 | 11.2 | 27.1 | 2.66 | <0.05 | 8.46 | 1.010 | 1.30 | 1.1 | 174 |
| W843657 | | 166.0 | 0.003 | 0.61 | 1.35 | 18.0 | 1 | 11.4 | 25.7 | 2.85 | 0.05 | 9.26 | 1.095 | 1.67 | 1.1 | 187 |
| W843658 | | 139.5 | 0.002 | 0.35 | 0.81 | 15.5 | 1 | 11.5 | 23.1 | 2.15 | 0.05 | 8.77 | 0.770 | 1.35 | 0.8 | 147 |
| W843659 | | 125.5 | 0.002 | 0.53 | 1.74 | 14.0 | 1 | 9.0 | 55.7 | 1.34 | 0.06 | 9.19 | 0.538 | 0.65 | 1.7 | 114 |
| W843660 | | 126.0 | <0.002 | 0.32 | 2.39 | 16.9 | 1 | 11.6 | 38.6 | 1.91 | 0.08 | 9.77 | 0.680 | 0.80 | 1.9 | 161 |
| W843661 | | 240 | <0.002 | 0.08 | 3.37 | 18.9 | 1 | 56.2 | 30.4 | 1.43 | <0.05 | 8.90 | 0.522 | 1.02 | 3.0 | 190 |
| W843662 | | 206 | <0.002 | 0.19 | 1.96 | 13.8 | 1 | 24.0 | 23.4 | 0.99 | <0.05 | 8.67 | 0.406 | 0.95 | 1.8 | 120 |
| W843663 | | 169.0 | <0.002 | 0.63 | 4.47 | 15.6 | 1 | 14.3 | 21.5 | 1.55 | 0.05 | 9.70 | 0.560 | 1.04 | 1.4 | 160 |
| W843664 | | 143.5 | <0.002 | 0.31 | 2.02 | 14.6 | 1 | 12.7 | 23.9 | 1.04 | <0.05 | 9.37 | 0.444 | 1.02 | 2.1 | 127 |
| W843665 | | 151.0 | 0.002 | 0.78 | 2.34 | 17.3 | 1 | 26.5 | 61.1 | 3.40 | <0.05 | 14.40 | 0.883 | 0.70 | 2.4 | 159 |
| W843666 | | 148.5 | 0.002 | 0.46 | 1.42 | 16.7 | 1 | 16.6 | 47.7 | 3.04 | <0.05 | 13.50 | 0.827 | 0.79 | 2.0 | 144 |
| W843667 | | 135.0 | 0.003 | 0.40 | 0.92 | 15.9 | 1 | 12.9 | 60.9 | 2.71 | <0.05 | 11.45 | 0.822 | 0.67 | 1.7 | 137 |
| W843668 | | 164.5 | 0.003 | 1.24 | 1.31 | 19.6 | 2 | 14.9 | 53.3 | 3.64 | <0.05 | 15.55 | 0.970 | 0.82 | 2.7 | 167 |
| W843669 | | 153.5 | 0.004 | 1.40 | 2.22 | 17.7 | 2 | 21.1 | 66.0 | 3.15 | 0.07 | 13.00 | 0.890 | 0.67 | 2.5 | 157 |
| W843670 | | 144.5 | 0.004 | 1.20 | 1.18 | 16.6 | 1 | 17.5 | 65.7 | 2.55 | 0.05 | 11.30 | 0.839 | 0.60 | 2.7 | 148 |
| W843671 | | 132.5 | 0.004 | 1.07 | 1.17 | 16.4 | 1 | 17.7 | 46.7 | 2.44 | 0.05 | 11.45 | 0.740 | 0.61 | 3.2 | 144 |
| W843672 | | 119.5 | 0.005 | 1.10 | 1.35 | 14.1 | 1 | 16.2 | 51.4 | 2.20 | 0.05 | 10.05 | 0.702 | 0.55 | 2.5 | 126 |
| W843673 | | 128.5 | 0.004 | 0.91 | 2.01 | 15.4 | 1 | 20.3 | 46.3 | 2.36 | 0.05 | 11.60 | 0.738 | 0.54 | 2.8 | 132 |
| W843674 | | 132.5 | 0.002 | 0.71 | 2.31 | 15.4 | 1 | 22.7 | 47.2 | 2.18 | <0.05 | 10.20 | 0.721 | 0.55 | 2.5 | 137 |
| W843675 | | 152.5 | 0.004 | 0.72 | 1.78 | 17.8 | 1 | 24.7 | 50.6 | 2.13 | 0.06 | 11.65 | 0.790 | 0.65 | 3.2 | 162 |
| W843676 | | 152.0 | 0.008 | 0.92 | 1.61 | 17.5 | 1 | 23.2 | 49.9 | 2.11 | 0.07 | 11.50 | 0.787 | 0.63 | 2.9 | 154 |
| W843677 | | 144.0 | 0.004 | 0.87 | 1.36 | 17.1 | 1 | 19.3 | 52.8 | 2.18 | <0.05 | 10.85 | 0.776 | 0.63 | 2.7 | 145 |
| W843678 | | 141.0 | 0.002 | 0.18 | 2.14 | 17.9 | 2 | 11.6 | 75.2 | 2.46 | 0.28 | 12.80 | 0.775 | 0.77 | 3.0 | 157 |
| W843679 | | 171.0 | <0.002 | 0.05 | 1.98 | 20.1 | 2 | 11.3 | 62.5 | 3.20 | 0.07 | 15.15 | 0.914 | 0.82 | 4.3 | 167 |
| W843680 | | 163.5 | <0.002 | 0.05 | 1.53 | 18.4 | 1 | 15.2 | 55.0 | 2.79 | 0.05 | 13.95 | 0.843 | 0.74 | 2.9 | 155 |
| W843681 | | 145.5 | <0.002 | 0.05 | 1.23 | 15.9 | 1 | 18.7 | 57.3 | 2.45 | 0.05 | 12.15 | 0.730 | 0.71 | 2.9 | 117 |
| W843682 | | 184.0 | 0.003 | 0.28 | 1.68 | 19.9 | 1 | 13.3 | 87.6 | 2.43 | 0.05 | 13.20 | 0.855 | 0.93 | 3.8 | 164 |
| W843683 | | 153.5 | 0.005 | 0.56 | 1.51 | 17.1 | 2 | 11.5 | 47.1 | 2.03 | 0.06 | 10.25 | 0.701 | 0.68 | 3.4 | 189 |
| W843684 | | 152.5 | 0.005 | 1.90 | 1.39 | 16.8 | 2 | 10.4 | 65.3 | 2.32 | 0.06 | 11.70 | 0.742 | 0.76 | 4.7 | 178 |
| W843685 | | 141.5 | 0.008 | 2.36 | 1.43 | 15.1 | 2 | 10.8 | 65.1 | 1.79 | 0.06 | 10.70 | 0.621 | 0.67 | 4.9 | 238 |
| W843686 | | 170.0 | 0.003 | 0.59 | 0.98 | 18.5 | 1 | 10.9 | 36.7 | 2.08 | 0.05 | 12.10 | 0.747 | 1.09 | 3.3 | 173 |
| W843687 | | 74.3 | <0.002 | 0.34 | 0.82 | 12.6 | 1 | 6.9 | 80.6 | 0.93 | <0.05 | 7.61 | 0.295 | 0.37 | 1.9 | 77 |
| W843688 | | 164.0 | 0.006 | 0.48 | 1.24 | 19.3 | 1 | 8.9 | 36.7 | 2.62 | <0.05 | 13.25 | 0.927 | 1.03 | 4.6 | 176 |
| W843689 | | 117.0 | 0.004 | 0.24 | 2.58 | 14.7 | 2 | 8.9 | 47.6 | 2.00 | <0.05 | 10.90 | 0.634 | 0.58 | 3.3 | 135 |
| W843690 | | 100.5 | <0.002 | 0.19 | 1.30 | 11.8 | 1 | 8.2 | 33.9 | 1.48 | <0.05 | 7.73 | 0.495 | 0.51 | 2.5 | 109 |

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

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

Project: Rau


**Finalized Date: 7-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W843651 | | 2.7 | 24.4 | 123 | 35.0 | 0.016 |
| W843652 | | 4.5 | 23.1 | 82 | 26.4 | 0.105 |
| W843653 | | 8.5 | 22.1 | 34 | 128.5 | 0.199 |
| W843654 | | 2.0 | 15.4 | 85 | 58.9 | 0.015 |
| W843655 | | 2.6 | 24.0 | 151 | 54.2 | 0.011 |
| W843656 | | 2.6 | 18.3 | 113 | 44.0 | 0.018 |
| W843657 | | 2.6 | 21.6 | 147 | 52.1 | 0.023 |
| W843658 | | 2.5 | 18.9 | 108 | 21.9 | 0.071 |
| W843659 | | 4.0 | 18.8 | 18 | 76.7 | 0.287 |
| W843660 | | 3.5 | 23.4 | 75 | 54.8 | 0.055 |
| W843661 | | 8.7 | 17.7 | 43 | 101.5 | 0.016 |
| W843662 | | 4.6 | 12.5 | 55 | 58.6 | 0.011 |
| W843663 | | 8.0 | 16.4 | 109 | 28.7 | 0.018 |
| W843664 | | 2.8 | 17.4 | 100 | 48.4 | 0.031 |
| W843665 | | 8.8 | 17.3 | 36 | 119.5 | 0.149 |
| W843666 | | 4.0 | 21.5 | 47 | 83.4 | 0.026 |
| W843667 | | 3.0 | 22.8 | 51 | 69.3 | 0.008 |
| W843668 | | 4.8 | 29.3 | 36 | 122.0 | 0.013 |
| W843669 | | 7.7 | 21.4 | 26 | 117.5 | 0.059 |
| W843670 | | 7.3 | 18.7 | 16 | 129.5 | 0.116 |
| W843671 | | 7.5 | 17.4 | 19 | 151.0 | 0.072 |
| W843672 | | 6.8 | 18.0 | 23 | 105.5 | 0.062 |
| W843673 | | 8.9 | 17.7 | 23 | 124.5 | 0.058 |
| W843674 | | 8.4 | 16.6 | 24 | 112.0 | 0.043 |
| W843675 | | 10.3 | 18.2 | 16 | 129.5 | 0.053 |
| W843676 | | 9.6 | 17.4 | 17 | 112.0 | 0.070 |
| W843677 | | 8.0 | 18.2 | 19 | 111.5 | 0.046 |
| W843678 | | 4.1 | 22.0 | 37 | 107.0 | 0.037 |
| W843679 | | 4.4 | 36.6 | 44 | 184.0 | 0.013 |
| W843680 | | 5.0 | 23.9 | 25 | 107.0 | 0.106 |
| W843681 | | 9.4 | 20.6 | 33 | 130.5 | 0.013 |
| W843682 | | 4.9 | 20.2 | 41 | 158.5 | 0.044 |
| W843683 | | 3.9 | 16.2 | 25 | 129.5 | 0.031 |
| W843684 | | 3.5 | 21.6 | 22 | 173.0 | 0.011 |
| W843685 | | 4.2 | 23.7 | 19 | 147.0 | 0.050 |
| W843686 | | 5.9 | 18.1 | 27 | 112.5 | 0.016 |
| W843687 | | 2.8 | 24.0 | 36 | 70.4 | <0.005 |
| W843688 | | 3.7 | 26.6 | 34 | 167.5 | 0.008 |
| W843689 | | 5.0 | 26.5 | 84 | 126.5 | 0.027 |
| W843690 | | 3.9 | 17.3 | 34 | 91.7 | 0.012 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843691 | | 2.16 | 0.08 | 7.66 | 277 | 1950 | 3.03 | 2.06 | 1.40 | 0.12 | 106.5 | 24.2 | 71 | 6.68 | 84.3 | 4.88 |
| W843692 | | 2.95 | 0.04 | 7.01 | 134.0 | 1750 | 2.73 | 1.42 | 0.50 | 0.02 | 95.8 | 20.5 | 62 | 10.85 | 77.4 | 5.35 |
| W843693 | | 3.67 | 0.03 | 7.18 | 107.5 | 1740 | 2.63 | 0.57 | 0.51 | 0.05 | 108.5 | 12.6 | 63 | 12.25 | 38.4 | 5.41 |
| W843694 | | 2.52 | 0.03 | 6.85 | 235 | 1410 | 2.34 | 0.42 | 2.17 | 0.08 | 103.0 | 20.0 | 58 | 6.34 | 40.4 | 4.42 |
| W843695 | | 1.97 | 0.04 | 7.20 | 241 | 1490 | 2.89 | 1.22 | 1.95 | 0.04 | 123.5 | 13.0 | 58 | 5.52 | 20.5 | 2.91 |
| W843696 | | 2.09 | 0.03 | 7.48 | 177.5 | 1560 | 2.75 | 0.79 | 1.87 | 0.03 | 129.5 | 7.9 | 58 | 5.19 | 10.8 | 2.22 |
| W843697 | | 2.30 | 0.02 | 7.66 | 299 | 1520 | 2.81 | 0.48 | 1.36 | <0.02 | 141.5 | 10.9 | 57 | 4.93 | 6.9 | 1.28 |
| W843698 | | 2.30 | 0.10 | 8.18 | 201 | 1540 | 2.99 | 0.55 | 4.52 | 0.05 | 109.0 | 8.1 | 60 | 5.19 | 6.5 | 2.21 |
| W843699 | | 2.05 | 0.06 | 5.44 | 133.5 | 1040 | 2.25 | 0.16 | 5.17 | 0.06 | >500 | 5.0 | 42 | 3.88 | 4.5 | 3.16 |
| W843700 | | 2.20 | 0.15 | 6.34 | 302 | 1090 | 2.30 | 0.63 | 3.71 | 0.02 | 363 | 17.2 | 62 | 4.31 | 5.2 | 3.19 |
| W843701 | | 2.26 | 0.49 | 7.31 | 177.0 | 1300 | 2.62 | 1.71 | 3.29 | 0.13 | 194.5 | 23.6 | 66 | 4.81 | 67.7 | 4.25 |
| W843702 | | 2.25 | 0.13 | 7.13 | 170.5 | 1280 | 2.75 | 1.01 | 0.97 | 0.03 | 133.5 | 26.6 | 65 | 7.56 | 44.1 | 6.66 |
| W843703 | | 3.55 | 0.15 | 6.47 | 165.5 | 1170 | 2.32 | 1.28 | 2.47 | 0.06 | 170.5 | 26.0 | 61 | 5.54 | 54.7 | 5.40 |
| W843704 | | 2.27 | 0.11 | 6.44 | 115.0 | 1180 | 2.24 | 1.23 | 2.89 | 0.07 | 156.5 | 21.7 | 58 | 5.25 | 47.0 | 4.93 |
| W843705 | | 2.23 | 0.13 | 6.64 | 121.5 | 1270 | 2.25 | 1.28 | 3.98 | 0.08 | 176.5 | 24.7 | 59 | 4.88 | 47.7 | 4.75 |
| W843706 | | 2.43 | 0.09 | 4.94 | 124.0 | 990 | 1.74 | 0.95 | 4.26 | 0.09 | 109.0 | 19.2 | 43 | 3.36 | 34.1 | 3.86 |
| W843707 | | 1.51 | 0.08 | 5.61 | 254 | 1030 | 2.13 | 1.56 | 3.54 | 0.05 | 120.0 | 26.1 | 46 | 4.02 | 37.2 | 4.25 |
| W843708 | | 2.06 | 0.13 | 6.27 | 262 | 920 | 2.64 | 2.18 | 2.99 | 0.07 | 138.5 | 29.0 | 57 | 5.08 | 60.2 | 5.60 |
| W843709 | | 3.36 | 0.08 | 6.08 | 169.5 | 1200 | 2.36 | 1.76 | 2.99 | 0.11 | 123.5 | 21.7 | 49 | 4.18 | 31.7 | 3.92 |
| W843710 | | 3.43 | 0.05 | 6.82 | 131.5 | 1440 | 2.53 | 1.15 | 2.23 | 0.06 | 131.5 | 19.4 | 61 | 4.45 | 21.5 | 2.65 |
| W843711 | | 3.36 | 0.06 | 6.77 | 176.0 | 1230 | 2.19 | 0.51 | 2.16 | 0.04 | 127.5 | 12.9 | 57 | 3.70 | 16.2 | 2.42 |
| W843712 | | 3.46 | 0.05 | 6.93 | 247 | 1140 | 2.34 | 0.26 | 2.87 | 0.06 | 132.0 | 4.1 | 55 | 4.11 | 4.7 | 1.55 |
| W843713 | | 3.65 | 0.03 | 5.88 | 393 | 1040 | 2.00 | 0.33 | 2.43 | 0.07 | 90.8 | 7.4 | 48 | 3.75 | 6.1 | 1.70 |
| W843714 | | 3.91 | 0.08 | 5.84 | 600 | 1030 | 1.87 | 0.36 | 3.48 | 0.08 | 96.6 | 10.5 | 50 | 3.61 | 14.3 | 2.31 |
| W843715 | | 3.67 | 0.04 | 5.77 | 311 | 1080 | 1.90 | 0.34 | 3.21 | 0.12 | 83.9 | 13.9 | 47 | 5.56 | 28.5 | 4.25 |
| W843716 | | 3.57 | 0.04 | 6.70 | 89.8 | 1350 | 1.94 | 0.41 | 0.91 | 0.06 | 90.7 | 16.1 | 56 | 7.33 | 31.8 | 5.90 |
| W843717 | | 4.16 | 0.04 | 6.24 | 286 | 1210 | 2.10 | 0.27 | 0.72 | 0.04 | 79.6 | 18.4 | 54 | 7.45 | 29.5 | 8.28 |
| W843718 | | 3.02 | 0.07 | 6.96 | 157.0 | 2370 | 2.08 | 0.29 | 0.61 | 0.26 | 101.0 | 30.9 | 55 | 4.83 | 69.2 | 5.83 |
| W843719 | | 3.60 | 0.02 | 7.26 | 59.1 | 2570 | 2.11 | 0.18 | 1.32 | 0.16 | 115.5 | 14.3 | 58 | 5.59 | 17.6 | 4.97 |
| W843720 | | 2.92 | 0.04 | 7.35 | 85.3 | 2600 | 2.21 | 0.24 | 1.36 | 0.15 | 110.0 | 18.5 | 62 | 5.56 | 32.2 | 5.14 |
| W843721 | | 3.63 | 0.03 | 6.68 | 69.6 | 2190 | 1.98 | 0.16 | 1.67 | 0.16 | 110.5 | 15.7 | 54 | 5.46 | 19.4 | 5.54 |
| W843722 | | 3.42 | 0.02 | 6.94 | 15.3 | 2220 | 2.03 | 0.13 | 1.88 | 0.15 | 97.3 | 8.7 | 55 | 5.59 | 15.1 | 5.87 |
| W843723 | | 3.41 | 0.03 | 6.85 | 30.8 | 2390 | 2.06 | 0.23 | 1.97 | 0.14 | 121.5 | 19.1 | 58 | 6.04 | 28.0 | 5.01 |
| W843724 | | 3.82 | 0.04 | 7.35 | 28.3 | 2530 | 2.35 | 0.13 | 1.99 | 0.15 | 132.0 | 16.7 | 61 | 6.36 | 17.3 | 4.67 |
| W843725 | | 3.16 | 0.06 | 7.36 | 63.6 | 2520 | 2.24 | 0.31 | 1.25 | 0.25 | 119.0 | 28.3 | 61 | 6.28 | 45.7 | 5.70 |
| W843726 | | 3.92 | 0.04 | 7.08 | 28.5 | 2520 | 2.13 | 0.22 | 2.01 | 0.12 | 127.0 | 19.4 | 58 | 5.98 | 31.4 | 4.75 |
| W843727 | | 3.08 | 0.05 | 7.04 | 76.6 | 2380 | 2.07 | 0.59 | 1.44 | 0.12 | 118.5 | 27.4 | 57 | 7.00 | 46.4 | 6.62 |
| W843728 | | 3.32 | 0.05 | 6.51 | 24.0 | 2320 | 1.93 | 0.22 | 1.65 | 0.14 | 111.0 | 15.5 | 57 | 6.36 | 31.1 | 5.19 |
| W843729 | | 3.05 | 0.06 | 7.25 | 15.1 | 2510 | 1.93 | 0.27 | 1.24 | 0.09 | 133.0 | 15.5 | 56 | 6.14 | 48.9 | 5.55 |
| W843730 | | 4.06 | 0.04 | 6.39 | 27.0 | 2380 | 1.95 | 0.31 | 1.90 | 0.13 | 110.5 | 16.6 | 56 | 6.91 | 30.8 | 4.50 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843691 | | 23.2 | 0.27 | 4.9 | 0.081 | 3.75 | 59.7 | 18.1 | 1.25 | 1040 | 8.10 | 0.09 | 44.2 | 55.7 | 2370 | 6.1 |
| W843692 | | 21.6 | 0.29 | 3.4 | 0.082 | 3.59 | 54.3 | 18.2 | 1.37 | 594 | 5.18 | 0.07 | 46.3 | 41.9 | 1620 | 3.2 |
| W843693 | | 21.7 | 0.22 | 3.7 | 0.076 | 3.74 | 59.4 | 22.6 | 1.59 | 635 | 2.09 | 0.07 | 52.4 | 29.8 | 1630 | 3.1 |
| W843694 | | 19.95 | 0.23 | 3.2 | 0.081 | 3.30 | 58.4 | 13.2 | 1.19 | 1460 | 1.53 | 0.07 | 46.0 | 40.1 | 1470 | 4.1 |
| W843695 | | 22.6 | 0.30 | 4.3 | 0.083 | 3.56 | 69.5 | 12.4 | 1.16 | 779 | 1.80 | 0.07 | 53.6 | 39.1 | 1540 | 2.7 |
| W843696 | | 23.1 | 0.28 | 3.9 | 0.075 | 3.70 | 72.2 | 12.7 | 1.12 | 677 | 1.51 | 0.07 | 57.6 | 33.7 | 1630 | 2.2 |
| W843697 | | 25.1 | 0.27 | 4.0 | 0.075 | 3.85 | 81.5 | 11.3 | 0.88 | 429 | 1.68 | 0.07 | 60.0 | 20.4 | 1640 | 1.8 |
| W843698 | | 26.3 | 0.31 | 3.0 | 0.153 | 4.22 | 57.5 | 11.6 | 2.05 | 1760 | 1.49 | 0.06 | 45.8 | 20.8 | 2470 | 4.1 |
| W843699 | | 21.7 | 1.13 | 2.1 | 0.559 | 2.76 | 530 | 10.3 | 2.15 | 2780 | 2.36 | 0.05 | 37.6 | 12.7 | 1390 | 2.7 |
| W843700 | | 21.4 | 0.53 | 2.9 | 0.179 | 3.15 | 195.5 | 7.9 | 1.64 | 2660 | 2.94 | 0.05 | 58.2 | 30.1 | 1440 | 4.8 |
| W843701 | | 22.3 | 0.38 | 3.7 | 0.162 | 3.70 | 108.0 | 6.6 | 1.49 | 1890 | 2.30 | 0.06 | 58.1 | 45.7 | 2230 | 16.8 |
| W843702 | | 21.6 | 0.31 | 2.9 | 0.099 | 3.45 | 73.7 | 9.3 | 1.42 | 1580 | 1.56 | 0.05 | 55.3 | 56.7 | 2080 | 2.6 |
| W843703 | | 19.55 | 0.33 | 3.0 | 0.098 | 3.12 | 93.7 | 8.4 | 1.62 | 1400 | 2.15 | 0.05 | 52.7 | 52.3 | 2120 | 4.0 |
| W843704 | | 19.80 | 0.29 | 2.7 | 0.095 | 3.11 | 85.8 | 8.2 | 1.72 | 1180 | 1.81 | 0.05 | 54.0 | 49.7 | 2180 | 3.4 |
| W843705 | | 19.60 | 0.35 | 2.8 | 0.088 | 3.27 | 98.0 | 8.2 | 1.99 | 1330 | 1.77 | 0.06 | 53.9 | 45.7 | 1860 | 3.1 |
| W843706 | | 14.70 | 0.28 | 2.0 | 0.054 | 2.46 | 59.2 | 6.8 | 1.97 | 1420 | 1.23 | 0.04 | 39.9 | 42.4 | 1360 | 3.2 |
| W843707 | | 16.75 | 0.29 | 2.3 | 0.069 | 2.78 | 68.3 | 7.7 | 1.69 | 1440 | 1.86 | 0.05 | 43.9 | 44.4 | 2020 | 2.9 |
| W843708 | | 20.3 | 0.26 | 3.3 | 0.089 | 3.09 | 75.2 | 9.1 | 1.49 | 1640 | 3.99 | 0.06 | 48.4 | 52.6 | 2340 | 3.9 |
| W843709 | | 19.05 | 0.27 | 3.3 | 0.067 | 3.00 | 69.7 | 9.7 | 1.52 | 1210 | 2.42 | 0.05 | 42.7 | 44.3 | 1780 | 4.1 |
| W843710 | | 21.0 | 0.28 | 4.2 | 0.062 | 3.36 | 72.7 | 10.2 | 1.23 | 842 | 1.27 | 0.06 | 50.3 | 39.2 | 1560 | 2.9 |
| W843711 | | 22.8 | 0.18 | 3.8 | 0.054 | 3.21 | 69.8 | 9.3 | 1.21 | 814 | 1.52 | 0.08 | 50.3 | 27.3 | 1620 | 3.3 |
| W843712 | | 23.6 | 0.21 | 3.8 | 0.067 | 3.17 | 72.3 | 12.1 | 1.74 | 881 | 1.13 | 0.12 | 44.8 | 11.4 | 1530 | 4.1 |
| W843713 | | 18.30 | 0.19 | 2.4 | 0.048 | 2.80 | 50.5 | 8.4 | 1.26 | 740 | 0.68 | 0.08 | 29.8 | 19.4 | 1300 | 3.1 |
| W843714 | | 17.60 | 0.18 | 2.1 | 0.046 | 2.85 | 51.1 | 7.0 | 1.63 | 948 | 0.97 | 0.08 | 29.5 | 25.5 | 1310 | 4.0 |
| W843715 | | 16.30 | 0.19 | 1.9 | 0.068 | 2.85 | 44.7 | 11.3 | 1.79 | 834 | 0.88 | 0.08 | 31.2 | 27.2 | 1420 | 4.8 |
| W843716 | | 18.55 | 0.18 | 2.2 | 0.065 | 3.35 | 48.4 | 16.6 | 1.56 | 600 | 0.83 | 0.08 | 37.2 | 33.1 | 1380 | 3.8 |
| W843717 | | 17.65 | 0.16 | 1.2 | 0.062 | 2.94 | 42.3 | 22.5 | 1.80 | 738 | 0.86 | 0.07 | 33.5 | 40.0 | 1190 | 2.4 |
| W843718 | | 18.70 | 0.16 | 3.1 | 0.099 | 2.49 | 53.1 | 26.1 | 1.82 | 527 | 1.67 | 0.23 | 53.6 | 56.6 | 1780 | 7.0 |
| W843719 | | 19.20 | 0.18 | 2.3 | 0.094 | 2.83 | 63.6 | 26.0 | 2.02 | 439 | 0.92 | 0.40 | 53.6 | 27.5 | 1670 | 5.5 |
| W843720 | | 19.50 | 0.19 | 2.6 | 0.093 | 2.93 | 57.9 | 26.0 | 2.00 | 398 | 1.17 | 0.39 | 49.4 | 30.1 | 1830 | 5.5 |
| W843721 | | 18.35 | 0.17 | 2.3 | 0.095 | 2.48 | 59.4 | 27.0 | 2.28 | 551 | 1.61 | 0.34 | 42.8 | 35.9 | 1710 | 4.9 |
| W843722 | | 18.20 | 0.16 | 1.8 | 0.081 | 2.48 | 50.1 | 27.6 | 2.72 | 571 | 0.94 | 0.44 | 43.1 | 28.9 | 1600 | 3.5 |
| W843723 | | 18.90 | 0.18 | 3.0 | 0.071 | 2.68 | 65.0 | 25.7 | 2.25 | 532 | 1.72 | 0.42 | 46.4 | 36.5 | 1760 | 4.3 |
| W843724 | | 19.75 | 0.20 | 3.2 | 0.092 | 2.89 | 70.5 | 30.0 | 2.25 | 467 | 1.98 | 0.43 | 55.4 | 30.4 | 1950 | 7.7 |
| W843725 | | 19.55 | 0.18 | 3.1 | 0.091 | 2.90 | 63.4 | 28.1 | 2.03 | 554 | 2.34 | 0.25 | 53.8 | 59.5 | 2300 | 5.2 |
| W843726 | | 18.80 | 0.22 | 3.5 | 0.072 | 2.84 | 68.2 | 24.6 | 2.34 | 428 | 1.26 | 0.40 | 53.0 | 32.6 | 2020 | 4.2 |
| W843727 | | 18.15 | 0.20 | 2.7 | 0.082 | 2.59 | 63.1 | 28.6 | 2.44 | 547 | 2.90 | 0.34 | 56.1 | 56.9 | 1840 | 4.9 |
| W843728 | | 17.75 | 0.17 | 2.3 | 0.081 | 2.61 | 59.2 | 24.1 | 2.01 | 499 | 2.58 | 0.26 | 49.7 | 28.9 | 1620 | 5.3 |
| W843729 | | 19.10 | 0.17 | 2.4 | 0.089 | 2.78 | 70.8 | 24.8 | 2.27 | 346 | 1.44 | 0.26 | 70.2 | 28.1 | 1750 | 3.9 |
| W843730 | | 17.60 | 0.19 | 2.1 | 0.076 | 2.73 | 60.4 | 21.9 | 2.19 | 407 | 1.05 | 0.29 | 42.2 | 42.4 | 1340 | 3.9 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843691 | | 166.5 | 0.006 | 0.61 | 2.01 | 18.9 | 1 | 12.9 | 44.8 | 2.24 | 0.10 | 12.90 | 0.755 | 0.85 | 5.4 | 202 |
| W843692 | | 162.5 | 0.004 | 0.50 | 1.87 | 17.9 | 1 | 9.5 | 31.5 | 2.37 | <0.05 | 11.50 | 0.815 | 0.98 | 3.6 | 169 |
| W843693 | | 172.5 | 0.003 | 0.20 | 1.21 | 18.0 | 1 | 10.1 | 33.3 | 2.61 | <0.05 | 11.95 | 0.849 | 1.10 | 3.6 | 161 |
| W843694 | | 140.0 | 0.003 | 0.21 | 1.11 | 15.5 | 1 | 14.9 | 43.6 | 2.29 | <0.05 | 13.15 | 0.673 | 0.67 | 3.0 | 142 |
| W843695 | | 153.0 | 0.004 | 0.20 | 1.17 | 17.8 | 2 | 18.8 | 48.1 | 2.61 | 0.05 | 13.65 | 0.814 | 0.69 | 3.7 | 155 |
| W843696 | | 145.5 | 0.002 | 0.13 | 1.15 | 18.0 | 1 | 22.2 | 44.5 | 2.94 | <0.05 | 15.10 | 0.854 | 0.69 | 3.3 | 162 |
| W843697 | | 165.0 | <0.002 | 0.07 | 1.21 | 18.8 | 1 | 35.5 | 38.1 | 3.02 | <0.05 | 15.85 | 0.901 | 0.74 | 3.7 | 169 |
| W843698 | | 142.0 | <0.002 | 0.09 | 1.43 | 18.1 | 1 | 33.2 | 79.6 | 2.29 | <0.05 | 11.75 | 0.872 | 0.85 | 2.4 | 200 |
| W843699 | | 125.0 | 0.004 | 0.05 | 0.55 | 11.9 | 1 | 34.1 | 57.8 | 1.83 | <0.05 | 15.65 | 0.468 | 0.60 | 2.5 | 317 |
| W843700 | | 145.5 | 0.011 | 0.15 | 2.25 | 14.0 | 1 | 31.4 | 48.0 | 2.95 | 0.05 | 21.5 | 0.708 | 0.68 | 2.7 | 581 |
| W843701 | | 163.0 | 0.005 | 1.07 | 2.44 | 17.5 | 1 | 22.0 | 65.8 | 2.88 | 0.08 | 15.90 | 0.784 | 0.67 | 3.4 | 175 |
| W843702 | | 152.0 | 0.006 | 0.81 | 1.69 | 16.6 | 1 | 13.4 | 47.8 | 2.69 | <0.05 | 13.55 | 0.796 | 0.80 | 3.2 | 154 |
| W843703 | | 131.0 | 0.006 | 0.91 | 1.58 | 15.1 | 1 | 14.5 | 72.3 | 2.60 | 0.07 | 13.65 | 0.752 | 0.69 | 3.2 | 158 |
| W843704 | | 132.5 | 0.007 | 0.96 | 1.58 | 15.4 | 1 | 14.1 | 85.4 | 2.57 | 0.06 | 13.25 | 0.761 | 0.73 | 3.0 | 155 |
| W843705 | | 132.5 | 0.005 | 1.12 | 1.31 | 15.4 | 1 | 15.1 | 94.3 | 2.60 | <0.05 | 14.50 | 0.763 | 0.65 | 2.8 | 157 |
| W843706 | | 97.2 | 0.006 | 1.09 | 1.13 | 11.2 | 1 | 12.5 | 75.7 | 2.04 | <0.05 | 9.70 | 0.581 | 0.46 | 1.9 | 107 |
| W843707 | | 110.0 | 0.006 | 1.50 | 1.24 | 12.6 | 1 | 13.8 | 63.6 | 2.15 | 0.05 | 10.70 | 0.643 | 0.47 | 2.3 | 127 |
| W843708 | | 139.0 | 0.010 | 1.63 | 1.62 | 15.4 | 3 | 17.7 | 66.4 | 2.42 | 0.05 | 12.70 | 0.684 | 0.65 | 3.5 | 160 |
| W843709 | | 129.5 | 0.006 | 1.43 | 1.29 | 14.1 | 1 | 18.2 | 55.8 | 2.20 | <0.05 | 11.75 | 0.619 | 0.62 | 3.0 | 145 |
| W843710 | | 140.0 | 0.004 | 0.81 | 0.99 | 16.1 | 1 | 18.6 | 44.7 | 2.48 | <0.05 | 13.65 | 0.767 | 0.69 | 3.8 | 155 |
| W843711 | | 132.0 | 0.005 | 0.54 | 1.05 | 15.4 | 1 | 24.4 | 41.5 | 2.45 | <0.05 | 14.20 | 0.770 | 0.52 | 3.3 | 153 |
| W843712 | | 140.0 | 0.003 | 0.19 | 0.80 | 16.0 | 1 | 27.9 | 45.9 | 2.15 | 0.05 | 11.50 | 0.820 | 0.52 | 2.9 | 165 |
| W843713 | | 119.5 | 0.002 | 0.28 | 1.02 | 14.4 | 1 | 16.9 | 45.6 | 1.43 | <0.05 | 8.95 | 0.601 | 0.47 | 1.9 | 128 |
| W843714 | | 115.0 | 0.002 | 0.35 | 1.69 | 14.5 | 1 | 15.2 | 63.6 | 1.45 | 0.05 | 9.34 | 0.599 | 0.46 | 1.7 | 125 |
| W843715 | | 121.0 | 0.003 | 0.26 | 1.61 | 14.2 | 1 | 8.2 | 90.3 | 1.50 | 0.05 | 8.12 | 0.632 | 0.51 | 2.1 | 128 |
| W843716 | | 144.0 | <0.002 | 0.16 | 1.40 | 16.4 | 1 | 5.9 | 43.1 | 1.74 | 0.05 | 9.51 | 0.739 | 0.63 | 1.9 | 148 |
| W843717 | | 133.0 | <0.002 | 0.30 | 1.99 | 14.9 | 1 | 5.2 | 35.9 | 1.58 | 0.05 | 9.64 | 0.651 | 0.65 | 1.2 | 127 |
| W843718 | | 109.0 | <0.002 | 0.10 | 1.65 | 14.3 | 1 | 3.1 | 45.9 | 2.58 | <0.05 | 10.90 | 0.748 | 0.45 | 3.1 | 129 |
| W843719 | | 122.5 | <0.002 | 0.06 | 1.69 | 14.2 | 1 | 3.5 | 63.9 | 2.58 | <0.05 | 13.55 | 0.718 | 0.57 | 1.9 | 129 |
| W843720 | | 124.0 | <0.002 | 0.17 | 1.46 | 14.9 | 1 | 3.6 | 70.2 | 2.27 | <0.05 | 12.55 | 0.762 | 0.60 | 2.5 | 136 |
| W843721 | | 112.0 | <0.002 | 0.08 | 1.24 | 14.6 | 1 | 3.7 | 76.3 | 1.94 | <0.05 | 10.65 | 0.660 | 0.52 | 1.9 | 110 |
| W843722 | | 110.0 | 0.003 | 0.12 | 1.05 | 13.5 | 1 | 2.9 | 80.3 | 2.01 | <0.05 | 11.20 | 0.673 | 0.54 | 1.7 | 108 |
| W843723 | | 122.0 | 0.005 | 0.22 | 1.61 | 14.5 | 1 | 3.0 | 77.6 | 2.26 | <0.05 | 13.00 | 0.684 | 0.61 | 2.9 | 117 |
| W843724 | | 129.0 | 0.003 | 0.11 | 1.55 | 14.3 | 1 | 3.6 | 94.3 | 2.60 | <0.05 | 13.05 | 0.789 | 0.57 | 2.9 | 130 |
| W843725 | | 128.0 | 0.004 | 0.31 | 1.74 | 14.5 | 1 | 3.0 | 52.1 | 2.48 | 0.05 | 13.55 | 0.749 | 0.58 | 4.3 | 143 |
| W843726 | | 120.5 | 0.003 | 0.22 | 1.81 | 13.5 | 1 | 2.6 | 79.9 | 2.50 | <0.05 | 13.35 | 0.711 | 0.55 | 3.1 | 128 |
| W843727 | | 116.5 | <0.002 | 0.18 | 1.49 | 13.9 | 1 | 2.9 | 63.9 | 2.58 | 0.08 | 11.75 | 0.778 | 0.54 | 2.8 | 131 |
| W843728 | | 114.5 | <0.002 | 0.27 | 1.22 | 12.9 | 1 | 3.2 | 63.6 | 2.24 | <0.05 | 11.15 | 0.697 | 0.49 | 2.3 | 118 |
| W843729 | | 115.0 | <0.002 | 0.49 | 1.31 | 14.4 | 1 | 2.9 | 59.1 | 3.37 | 0.05 | 15.15 | 0.770 | 0.54 | 1.9 | 126 |
| W843730 | | 121.5 | <0.002 | 0.33 | 1.49 | 12.6 | 1 | 2.8 | 69.1 | 2.04 | <0.05 | 11.80 | 0.593 | 0.58 | 1.6 | 112 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W843691 | | 5.6 | 25.3 | 30 | 188.0 | 0.019 |
| W843692 | | 4.2 | 20.9 | 38 | 143.0 | 0.040 |
| W843693 | | 3.0 | 20.9 | 40 | 150.5 | 0.005 |
| W843694 | | 5.3 | 21.0 | 33 | 126.5 | 0.075 |
| W843695 | | 6.9 | 22.3 | 17 | 184.0 | 0.177 |
| W843696 | | 8.0 | 20.4 | 13 | 143.0 | 0.142 |
| W843697 | | 9.0 | 18.9 | 11 | 148.0 | 0.027 |
| W843698 | | 9.7 | 22.3 | 24 | 112.5 | 0.030 |
| W843699 | | 11.9 | 54.9 | 18 | 82.7 | 3.11 |
| W843700 | | 11.3 | 28.1 | 21 | 117.5 | 0.040 |
| W843701 | | 6.3 | 24.7 | 38 | 156.5 | 0.025 |
| W843702 | | 3.6 | 28.3 | 40 | 114.0 | 0.016 |
| W843703 | | 4.5 | 25.3 | 31 | 121.0 | 0.026 |
| W843704 | | 4.5 | 24.2 | 26 | 116.5 | 0.040 |
| W843705 | | 5.3 | 22.5 | 20 | 115.5 | 0.037 |
| W843706 | | 4.9 | 16.8 | 17 | 73.7 | 0.037 |
| W843707 | | 5.5 | 19.4 | 18 | 91.9 | 0.130 |
| W843708 | | 6.9 | 21.5 | 27 | 122.5 | 0.038 |
| W843709 | | 7.1 | 17.7 | 18 | 118.0 | 0.038 |
| W843710 | | 7.6 | 18.5 | 14 | 160.0 | 0.033 |
| W843711 | | 9.2 | 17.0 | 15 | 166.0 | 0.049 |
| W843712 | | 12.7 | 16.7 | 14 | 150.5 | 0.005 |
| W843713 | | 6.6 | 17.4 | 14 | 111.0 | 0.006 |
| W843714 | | 5.9 | 19.5 | 16 | 89.5 | 0.103 |
| W843715 | | 3.2 | 17.7 | 40 | 96.5 | 0.059 |
| W843716 | | 2.1 | 16.0 | 77 | 103.5 | 0.010 |
| W843717 | | 1.9 | 15.3 | 87 | 54.3 | 0.010 |
| W843718 | | 1.6 | 15.4 | 74 | 157.0 | 0.010 |
| W843719 | | 1.4 | 14.8 | 60 | 111.0 | <0.005 |
| W843720 | | 1.8 | 16.7 | 55 | 124.5 | <0.005 |
| W843721 | | 1.7 | 15.6 | 62 | 107.5 | 0.005 |
| W843722 | | 1.5 | 13.7 | 70 | 92.4 | <0.005 |
| W843723 | | 1.6 | 15.5 | 54 | 136.5 | <0.005 |
| W843724 | | 2.3 | 18.1 | 58 | 153.5 | 0.006 |
| W843725 | | 1.5 | 17.9 | 83 | 155.0 | <0.005 |
| W843726 | | 1.4 | 17.3 | 52 | 190.0 | <0.005 |
| W843727 | | 1.5 | 16.0 | 67 | 144.0 | <0.005 |
| W843728 | | 1.8 | 15.3 | 51 | 118.0 | <0.005 |
| W843729 | | 1.6 | 16.3 | 62 | 132.0 | <0.005 |
| W843730 | | 1.6 | 13.7 | 42 | 93.2 | <0.005 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843731 | | 3.35 | 0.04 | 6.60 | 20.3 | 2320 | 1.94 | 0.23 | 1.86 | 0.09 | 103.5 | 14.7 | 58 | 6.57 | 28.9 | 4.66 |
| W843732 | | 4.01 | 0.02 | 7.84 | 7.2 | 2740 | 2.25 | 0.23 | 1.13 | 0.05 | 123.5 | 9.8 | 62 | 7.08 | 33.9 | 5.04 |
| W843733 | | 4.05 | 0.05 | 7.44 | 23.5 | 2590 | 2.21 | 0.25 | 1.31 | 0.06 | 127.5 | 20.1 | 61 | 6.94 | 58.6 | 5.02 |
| W843734 | | 3.98 | 0.05 | 6.18 | 7.3 | 2200 | 1.80 | 0.15 | 2.32 | 0.10 | 103.5 | 9.4 | 54 | 5.66 | 45.7 | 4.70 |
| W843735 | | 4.01 | 0.04 | 7.34 | 14.2 | 2500 | 1.97 | 0.19 | 1.52 | 0.10 | 117.0 | 14.5 | 62 | 6.00 | 40.5 | 5.18 |
| W843736 | | 4.37 | 0.02 | 6.41 | 4.5 | 2080 | 1.94 | 0.10 | 2.69 | 0.08 | 97.3 | 5.8 | 53 | 5.79 | 20.2 | 5.12 |
| W843737 | | 3.45 | 0.03 | 6.10 | 14.1 | 2100 | 1.86 | 0.10 | 3.41 | 0.10 | 97.3 | 10.7 | 53 | 5.53 | 27.4 | 4.38 |
| W843738 | | 4.02 | 0.06 | 6.93 | 15.1 | 2410 | 2.09 | 0.33 | 1.83 | 0.16 | 111.5 | 17.8 | 58 | 6.26 | 54.9 | 5.08 |
| W843739 | | 2.79 | 0.05 | 7.85 | 15.2 | 2580 | 2.39 | 0.33 | 1.73 | 0.08 | 127.5 | 9.6 | 67 | 5.86 | 23.2 | 3.64 |
| W843740 | | 3.65 | 0.07 | 7.07 | 51.1 | 1110 | 1.99 | 0.73 | 1.75 | 0.09 | 114.5 | 25.7 | 57 | 5.11 | 34.6 | 5.22 |
| W843741 | | 3.56 | 0.09 | 6.78 | 44.7 | 1310 | 2.00 | 1.42 | 1.73 | 0.07 | 107.0 | 20.8 | 59 | 5.67 | 48.1 | 4.93 |
| W843742 | | 3.05 | 0.09 | 6.08 | 92.2 | 1470 | 1.69 | 0.53 | 2.32 | 0.13 | 102.0 | 19.6 | 58 | 4.67 | 43.7 | 4.73 |
| W843743 | | 3.85 | 0.06 | 6.81 | 72.0 | 2370 | 2.01 | 0.92 | 2.66 | 0.10 | 114.0 | 22.1 | 64 | 6.26 | 28.5 | 5.08 |
| W843744 | | 3.52 | 0.04 | 6.64 | 28.7 | 2290 | 2.00 | 0.30 | 2.99 | 0.14 | 110.5 | 16.7 | 59 | 6.00 | 21.5 | 4.80 |
| W843745 | | 3.67 | 0.04 | 6.09 | 47.5 | 2060 | 1.78 | 0.53 | 2.31 | 0.13 | 104.5 | 19.2 | 57 | 5.58 | 24.0 | 4.18 |
| W843746 | | 4.03 | 0.10 | 6.47 | 28.1 | 1730 | 1.84 | 0.83 | 1.44 | 0.10 | 120.0 | 19.3 | 54 | 5.77 | 59.4 | 5.48 |
| W843747 | | 3.74 | 0.03 | 6.22 | 20.8 | 1940 | 1.57 | 0.47 | 1.48 | 0.12 | 103.0 | 18.0 | 52 | 5.75 | 49.3 | 6.09 |
| W843748 | | 3.48 | 0.04 | 6.58 | 33.6 | 2210 | 1.85 | 0.54 | 1.36 | 0.10 | 100.0 | 22.1 | 60 | 7.37 | 45.9 | 5.04 |
| W843749 | | 3.72 | <0.01 | 7.01 | 11.4 | 2420 | 2.05 | 0.19 | 1.86 | 0.10 | 111.0 | 8.5 | 59 | 8.50 | 11.9 | 5.06 |
| W843750 | | 2.97 | 0.06 | 6.86 | 110.0 | 2280 | 2.34 | 0.53 | 2.84 | 0.14 | 120.0 | 22.2 | 68 | 6.78 | 49.1 | 4.68 |
| W843751 | | 3.07 | 0.05 | 4.97 | 35.1 | 1400 | 1.47 | 0.25 | 2.63 | 0.12 | 79.5 | 11.2 | 62 | 3.65 | 27.3 | 3.33 |
| W843752 | | 3.49 | 0.05 | 5.42 | 22.4 | 1180 | 1.70 | 0.51 | 2.50 | 0.10 | 88.1 | 16.3 | 57 | 5.33 | 51.4 | 4.42 |
| W843753 | | 3.34 | 0.10 | 5.10 | 86.9 | 650 | 1.63 | 0.83 | 3.86 | 0.13 | 79.8 | 30.5 | 79 | 4.30 | 86.1 | 4.20 |
| W843754 | | 3.32 | 0.03 | 6.00 | 7.0 | 1650 | 1.86 | 0.26 | 3.33 | 0.07 | 106.0 | 8.8 | 62 | 6.12 | 32.4 | 4.03 |
| W843755 | | 3.15 | 0.02 | 6.19 | 7.9 | 1610 | 1.82 | 0.17 | 2.97 | 0.09 | 105.0 | 8.6 | 72 | 5.84 | 32.4 | 4.05 |
| W843756 | | 3.08 | 0.03 | 5.13 | 8.3 | 1390 | 1.49 | 0.36 | 6.55 | 0.09 | 85.3 | 11.0 | 58 | 4.15 | 33.8 | 4.23 |
| W843757 | | 2.70 | 0.06 | 6.43 | 18.0 | 1160 | 1.85 | 0.47 | 2.35 | 0.14 | 106.5 | 22.3 | 64 | 4.51 | 60.4 | 4.67 |
| W843758 | | 3.16 | 0.08 | 5.46 | 23.3 | 430 | 1.65 | 0.70 | 3.06 | 0.07 | 88.3 | 30.7 | 49 | 4.77 | 68.6 | 4.42 |
| W843759 | | 4.15 | 0.03 | 5.74 | 19.0 | 1480 | 1.77 | 0.26 | 3.22 | 0.07 | 82.2 | 14.7 | 59 | 4.64 | 37.6 | 2.91 |
| W843760 | | 2.33 | 0.01 | 6.05 | 16.3 | 1520 | 1.87 | 0.17 | 3.82 | 0.07 | 89.0 | 12.4 | 59 | 4.74 | 24.7 | 2.70 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843731 | | 17.90 | 0.17 | 2.3 | 0.080 | 2.66 | 55.2 | 21.5 | 2.17 | 396 | 1.28 | 0.31 | 45.4 | 25.9 | 1700 | 4.6 |
| W843732 | | 22.0 | 0.19 | 3.3 | 0.079 | 3.15 | 64.8 | 25.0 | 2.13 | 284 | 1.49 | 0.34 | 54.0 | 24.7 | 2280 | 3.7 |
| W843733 | | 20.7 | 0.20 | 3.1 | 0.077 | 3.07 | 66.9 | 24.4 | 2.03 | 321 | 1.98 | 0.33 | 53.0 | 31.0 | 1990 | 3.9 |
| W843734 | | 16.85 | 0.18 | 2.2 | 0.060 | 2.52 | 54.1 | 19.7 | 1.99 | 464 | 1.19 | 0.20 | 40.6 | 28.2 | 1680 | 3.2 |
| W843735 | | 18.80 | 0.19 | 2.7 | 0.077 | 2.98 | 62.0 | 23.1 | 2.14 | 318 | 1.64 | 0.21 | 47.9 | 28.0 | 2070 | 4.2 |
| W843736 | | 17.60 | 0.18 | 1.5 | 0.066 | 2.54 | 51.7 | 20.4 | 2.50 | 500 | 1.12 | 0.39 | 37.8 | 21.9 | 1520 | 3.2 |
| W843737 | | 16.45 | 0.19 | 2.1 | 0.063 | 2.50 | 52.1 | 17.3 | 2.34 | 615 | 1.28 | 0.32 | 37.6 | 26.7 | 1480 | 3.6 |
| W843738 | | 18.70 | 0.19 | 2.5 | 0.075 | 2.88 | 60.1 | 25.7 | 2.45 | 389 | 1.83 | 0.11 | 48.1 | 32.8 | 1830 | 4.8 |
| W843739 | | 21.6 | 0.20 | 3.5 | 0.095 | 3.16 | 68.8 | 19.0 | 1.63 | 346 | 2.61 | 0.13 | 56.5 | 21.6 | 1910 | 4.7 |
| W843740 | | 19.05 | 0.18 | 2.5 | 0.089 | 2.60 | 62.9 | 23.1 | 2.02 | 500 | 2.25 | 0.09 | 57.1 | 40.5 | 1720 | 4.0 |
| W843741 | | 17.95 | 0.19 | 2.6 | 0.075 | 2.80 | 57.5 | 24.1 | 2.33 | 422 | 2.39 | 0.23 | 42.3 | 35.7 | 1940 | 4.0 |
| W843742 | | 16.00 | 0.17 | 2.2 | 0.070 | 2.40 | 55.0 | 21.6 | 2.26 | 725 | 2.14 | 0.34 | 36.7 | 34.9 | 1690 | 5.9 |
| W843743 | | 18.80 | 0.18 | 2.9 | 0.077 | 2.84 | 62.5 | 25.2 | 2.70 | 843 | 2.20 | 0.35 | 44.3 | 46.2 | 1980 | 3.4 |
| W843744 | | 18.05 | 0.19 | 2.5 | 0.086 | 2.85 | 57.8 | 24.8 | 2.73 | 701 | 1.58 | 0.33 | 44.7 | 28.0 | 1720 | 3.6 |
| W843745 | | 16.00 | 0.18 | 2.2 | 0.076 | 2.57 | 54.4 | 22.3 | 2.24 | 679 | 1.84 | 0.35 | 38.0 | 40.9 | 1830 | 4.2 |
| W843746 | | 17.15 | 0.18 | 2.4 | 0.090 | 2.63 | 65.7 | 23.3 | 2.15 | 406 | 2.23 | 0.29 | 57.6 | 27.9 | 1790 | 4.4 |
| W843747 | | 17.00 | 0.12 | 2.3 | 0.069 | 2.42 | 55.2 | 19.5 | 2.41 | 490 | 1.48 | 0.34 | 49.4 | 31.7 | 1680 | 2.3 |
| W843748 | | 18.85 | 0.13 | 3.3 | 0.075 | 2.85 | 53.7 | 20.7 | 1.97 | 453 | 4.01 | 0.25 | 43.6 | 45.0 | 2030 | 3.0 |
| W843749 | | 19.95 | 0.14 | 2.9 | 0.079 | 3.18 | 60.0 | 26.9 | 2.44 | 523 | 1.50 | 0.23 | 49.2 | 25.0 | 1770 | 2.0 |
| W843750 | | 20.6 | 0.14 | 3.2 | 0.099 | 3.05 | 64.8 | 20.2 | 2.02 | 1040 | 4.17 | 0.15 | 40.7 | 56.5 | 1750 | 9.1 |
| W843751 | | 12.20 | 0.11 | 2.3 | 0.055 | 1.85 | 42.3 | 14.3 | 1.61 | 579 | 4.66 | 0.38 | 28.9 | 25.3 | 1410 | 3.7 |
| W843752 | | 14.70 | 0.12 | 2.3 | 0.065 | 2.33 | 45.8 | 17.8 | 1.82 | 575 | 3.41 | 0.13 | 35.5 | 34.6 | 1380 | 3.0 |
| W843753 | | 13.80 | 0.12 | 2.7 | 0.052 | 2.34 | 42.4 | 14.9 | 1.75 | 643 | 10.05 | 0.09 | 30.4 | 72.5 | 2800 | 3.0 |
| W843754 | | 17.10 | 0.14 | 2.5 | 0.060 | 2.73 | 55.5 | 18.1 | 2.08 | 478 | 2.16 | 0.10 | 42.1 | 19.4 | 1930 | 1.4 |
| W843755 | | 16.95 | 0.13 | 2.7 | 0.059 | 2.79 | 55.6 | 19.0 | 2.00 | 448 | 3.43 | 0.10 | 44.0 | 17.9 | 1910 | 1.8 |
| W843756 | | 13.90 | 0.12 | 2.4 | 0.063 | 2.40 | 45.1 | 12.7 | 2.95 | 831 | 3.42 | 0.09 | 34.7 | 25.5 | 1590 | 1.9 |
| W843757 | | 19.15 | 0.15 | 2.8 | 0.072 | 2.53 | 57.7 | 14.8 | 1.55 | 431 | 4.41 | 0.10 | 42.9 | 32.3 | 1890 | 2.9 |
| W843758 | | 15.50 | 0.13 | 2.7 | 0.053 | 2.52 | 47.1 | 14.8 | 1.67 | 530 | 4.11 | 0.09 | 33.5 | 56.8 | 2090 | 2.4 |
| W843759 | | 16.90 | 0.12 | 2.7 | 0.053 | 2.65 | 44.9 | 15.8 | 1.67 | 523 | 4.13 | 0.10 | 36.7 | 27.6 | 1750 | 1.9 |
| W843760 | | 18.10 | 0.12 | 2.7 | 0.059 | 2.83 | 47.7 | 17.0 | 1.92 | 561 | 3.31 | 0.10 | 39.7 | 23.3 | 1800 | 1.8 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843731 | | 117.5 | <0.002 | 0.25 | 1.22 | 13.2 | 1 | 2.9 | 78.4 | 2.13 | 0.08 | 10.80 | 0.674 | 0.52 | 2.2 | 113 |
| W843732 | | 136.5 | 0.002 | 0.28 | 1.39 | 16.3 | 1 | 2.8 | 75.0 | 2.48 | 0.08 | 14.25 | 0.827 | 0.59 | 3.6 | 144 |
| W843733 | | 134.5 | 0.005 | 0.39 | 1.52 | 15.5 | 1 | 2.8 | 75.1 | 2.42 | 0.06 | 14.05 | 0.738 | 0.62 | 3.5 | 135 |
| W843734 | | 109.0 | 0.002 | 0.27 | 1.04 | 12.9 | 1 | 2.3 | 80.3 | 2.01 | <0.05 | 10.85 | 0.633 | 0.48 | 2.5 | 101 |
| W843735 | | 122.0 | 0.002 | 0.31 | 1.58 | 14.5 | 1 | 2.4 | 65.0 | 2.26 | 0.05 | 12.40 | 0.769 | 0.54 | 2.7 | 128 |
| W843736 | | 112.5 | <0.002 | 0.16 | 1.20 | 12.9 | 1 | 2.3 | 94.5 | 1.73 | <0.05 | 11.10 | 0.593 | 0.49 | 1.3 | 102 |
| W843737 | | 109.5 | 0.002 | 0.22 | 1.27 | 12.3 | <1 | 2.2 | 110.5 | 1.73 | <0.05 | 10.70 | 0.555 | 0.46 | 2.0 | 112 |
| W843738 | | 125.0 | 0.002 | 0.53 | 1.52 | 13.7 | 1 | 3.1 | 56.4 | 2.26 | 0.05 | 12.15 | 0.705 | 0.59 | 2.5 | 121 |
| W843739 | | 125.5 | 0.004 | 0.84 | 3.47 | 14.9 | 1 | 8.9 | 67.3 | 2.63 | <0.05 | 15.00 | 0.771 | 0.57 | 4.0 | 145 |
| W843740 | | 108.0 | 0.002 | 1.19 | 4.86 | 13.8 | 1 | 4.9 | 55.3 | 2.61 | <0.05 | 11.95 | 0.732 | 0.56 | 2.7 | 124 |
| W843741 | | 118.5 | 0.003 | 1.05 | 2.04 | 13.1 | 1 | 5.3 | 62.9 | 2.02 | 0.07 | 10.70 | 0.614 | 0.61 | 2.7 | 130 |
| W843742 | | 98.0 | 0.009 | 0.94 | 1.14 | 11.9 | 1 | 4.9 | 85.6 | 1.74 | <0.05 | 10.80 | 0.508 | 0.51 | 3.8 | 110 |
| W843743 | | 125.5 | 0.010 | 0.57 | 1.26 | 13.8 | 1 | 4.8 | 98.9 | 2.05 | 0.06 | 12.60 | 0.621 | 0.63 | 4.7 | 126 |
| W843744 | | 126.5 | 0.004 | 0.45 | 1.28 | 13.2 | 1 | 4.2 | 95.9 | 2.06 | <0.05 | 12.10 | 0.634 | 0.64 | 3.1 | 113 |
| W843745 | | 109.5 | 0.009 | 0.45 | 1.34 | 11.7 | <1 | 4.6 | 90.6 | 1.76 | <0.05 | 10.55 | 0.537 | 0.55 | 3.8 | 122 |
| W843746 | | 110.5 | 0.003 | 0.82 | 1.78 | 12.4 | 1 | 3.7 | 67.7 | 2.66 | 0.07 | 12.65 | 0.695 | 0.60 | 2.7 | 121 |
| W843747 | | 102.0 | 0.003 | 0.74 | 1.05 | 12.1 | 1 | 3.2 | 68.7 | 2.50 | <0.05 | 11.90 | 0.705 | 0.60 | 2.4 | 113 |
| W843748 | | 126.0 | 0.009 | 0.65 | 1.54 | 14.3 | 1 | 4.1 | 64.0 | 2.25 | 0.06 | 11.60 | 0.766 | 0.70 | 4.1 | 144 |
| W843749 | | 142.5 | 0.003 | 0.24 | 1.10 | 14.9 | 1 | 4.9 | 73.6 | 2.55 | <0.05 | 13.65 | 0.739 | 0.92 | 2.6 | 135 |
| W843750 | | 133.5 | 0.012 | 0.58 | 1.28 | 15.2 | 1 | 9.3 | 96.0 | 2.14 | 0.05 | 14.05 | 0.622 | 0.78 | 4.4 | 142 |
| W843751 | | 77.8 | 0.005 | 0.50 | 0.78 | 10.6 | 1 | 4.6 | 101.5 | 1.50 | <0.05 | 9.66 | 0.451 | 0.42 | 3.0 | 95 |
| W843752 | | 99.6 | 0.005 | 0.92 | 1.09 | 11.7 | 1 | 3.8 | 92.7 | 1.81 | <0.05 | 11.00 | 0.538 | 0.61 | 3.6 | 100 |
| W843753 | | 103.0 | 0.031 | 1.58 | 1.33 | 12.6 | 2 | 3.6 | 132.5 | 1.66 | 0.09 | 8.67 | 0.513 | 0.53 | 7.4 | 181 |
| W843754 | | 117.0 | 0.003 | 0.67 | 1.06 | 12.5 | 1 | 3.7 | 125.0 | 2.15 | <0.05 | 12.05 | 0.636 | 0.71 | 3.9 | 104 |
| W843755 | | 116.5 | 0.003 | 0.61 | 1.06 | 13.3 | 1 | 3.9 | 128.0 | 2.22 | <0.05 | 12.35 | 0.664 | 0.68 | 4.8 | 116 |
| W843756 | | 98.5 | 0.003 | 0.65 | 0.86 | 11.3 | 1 | 4.2 | 237 | 1.78 | <0.05 | 10.05 | 0.514 | 0.53 | 3.3 | 154 |
| W843757 | | 101.0 | 0.005 | 1.31 | 1.24 | 14.4 | 1 | 4.8 | 104.5 | 2.16 | 0.05 | 13.05 | 0.654 | 0.53 | 5.0 | 135 |
| W843758 | | 101.0 | 0.006 | 1.79 | 1.42 | 11.8 | 2 | 3.2 | 109.5 | 1.72 | 0.09 | 9.88 | 0.554 | 0.56 | 3.9 | 126 |
| W843759 | | 108.5 | 0.007 | 0.60 | 1.19 | 12.0 | 1 | 3.2 | 107.0 | 1.93 | 0.05 | 10.65 | 0.578 | 0.59 | 3.2 | 125 |
| W843760 | | 115.5 | 0.006 | 0.37 | 1.14 | 12.9 | 1 | 3.2 | 123.0 | 2.02 | <0.05 | 11.30 | 0.610 | 0.59 | 2.9 | 123 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20168510

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W843731 | | 2.2 | 14.5 | 45 | 102.5 | <0.005 |
| W843732 | | 1.7 | 18.1 | 48 | 161.5 | <0.005 |
| W843733 | | 1.8 | 17.6 | 45 | 152.5 | 0.006 |
| W843734 | | 1.7 | 14.6 | 40 | 97.5 | <0.005 |
| W843735 | | 1.5 | 16.0 | 55 | 138.5 | <0.005 |
| W843736 | | 1.3 | 13.3 | 47 | 71.2 | <0.005 |
| W843737 | | 1.3 | 13.9 | 40 | 104.0 | <0.005 |
| W843738 | | 1.5 | 16.1 | 51 | 116.5 | <0.005 |
| W843739 | | 3.3 | 19.7 | 33 | 159.0 | 0.005 |
| W843740 | | 2.2 | 19.1 | 57 | 133.5 | 0.007 |
| W843741 | | 2.1 | 17.5 | 45 | 129.5 | 0.007 |
| W843742 | | 3.9 | 17.5 | 53 | 104.0 | 0.006 |
| W843743 | | 1.4 | 21.6 | 54 | 140.5 | 0.007 |
| W843744 | | 1.6 | 21.5 | 46 | 124.0 | 0.005 |
| W843745 | | 2.8 | 16.6 | 56 | 112.5 | <0.005 |
| W843746 | | 2.7 | 16.7 | 58 | 121.0 | 0.005 |
| W843747 | | 1.6 | 13.6 | 58 | 98.8 | <0.005 |
| W843748 | | 2.0 | 14.3 | 50 | 142.0 | 0.006 |
| W843749 | | 2.0 | 15.9 | 52 | 125.5 | 0.006 |
| W843750 | | 4.8 | 21.0 | 55 | 154.5 | 0.008 |
| W843751 | | 6.4 | 12.8 | 30 | 96.5 | <0.005 |
| W843752 | | 5.1 | 13.9 | 35 | 102.0 | 0.006 |
| W843753 | | 2.7 | 15.4 | 38 | 110.0 | 0.008 |
| W843754 | | 1.7 | 17.3 | 32 | 103.0 | <0.005 |
| W843755 | | 2.5 | 17.3 | 33 | 129.0 | <0.005 |
| W843756 | | 1.9 | 14.9 | 21 | 101.0 | <0.005 |
| W843757 | | 2.7 | 17.6 | 43 | 118.5 | 0.046 |
| W843758 | | 1.4 | 16.1 | 20 | 112.5 | <0.005 |
| W843759 | | 2.1 | 15.1 | 18 | 121.0 | <0.005 |
| W843760 | | 1.8 | 16.3 | 17 | 114.0 | <0.005 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 7-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20168510

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 20-AUG-2020**
**Account: RCM**

# CERTIFICATE WH20171203

Project: Rau

P.O. No.: R20-B03

This report is for 50 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 10-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20171203

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843870 | | 2.09 | 0.15 | 6.65 | 317 | 1870 | 2.14 | 6.89 | 1.57 | 0.11 | 83.5 | 22.5 | 109 | 4.13 | 11.0 | 4.34 |
| W843871 | | 2.34 | 0.05 | 5.46 | 213 | 1460 | 1.76 | 2.93 | 4.67 | 0.05 | 74.3 | 11.8 | 95 | 3.21 | 5.3 | 3.46 |
| W843872 | | 1.86 | 0.06 | 5.71 | 760 | 1550 | 1.95 | 2.39 | 2.70 | 0.05 | 69.7 | 30.3 | 89 | 3.47 | 7.0 | 4.57 |
| W843873 | | 2.05 | 0.08 | 6.26 | 862 | 1690 | 2.11 | 3.57 | 3.64 | 0.05 | 93.8 | 23.9 | 90 | 3.69 | 7.9 | 4.44 |
| W843874 | | 2.12 | 0.01 | 6.71 | 533 | 1760 | 2.29 | 0.82 | 4.21 | 0.05 | 115.5 | 11.8 | 58 | 3.74 | 6.1 | 2.69 |
| W843875 | | 2.09 | 0.04 | 5.38 | 303 | 1300 | 1.69 | 0.75 | 7.32 | 0.06 | 92.1 | 10.6 | 44 | 2.91 | 16.4 | 3.69 |
| W843876 | | 2.26 | 0.04 | 6.77 | 641 | 1710 | 2.11 | 0.74 | 3.81 | 0.02 | 115.0 | 15.9 | 53 | 3.74 | 12.6 | 3.12 |
| W843877 | | 2.40 | 0.04 | 7.12 | 1090 | 1870 | 2.51 | 0.95 | 2.00 | 0.07 | 126.5 | 53.2 | 82 | 4.30 | 14.8 | 3.04 |
| W843878 | | 2.36 | 0.03 | 6.97 | 970 | 1830 | 2.25 | 0.82 | 3.20 | 0.06 | 112.0 | 24.8 | 82 | 4.17 | 30.9 | 2.39 |
| W843879 | | 2.21 | 0.04 | 6.46 | 1060 | 1670 | 2.04 | 0.53 | 4.57 | 0.05 | 106.0 | 17.4 | 52 | 3.67 | 15.1 | 2.18 |
| W843880 | | 2.01 | 0.03 | 6.79 | 396 | 1760 | 2.23 | 0.63 | 4.42 | 0.03 | 121.0 | 9.5 | 53 | 3.79 | 32.8 | 2.52 |
| W843881 | | 2.21 | 0.05 | 6.70 | 1300 | 1690 | 2.13 | 1.26 | 4.90 | 0.03 | 120.5 | 25.6 | 66 | 3.68 | 22.4 | 2.50 |
| W843882 | | 1.93 | 0.04 | 7.19 | 430 | 1940 | 2.34 | 0.65 | 2.58 | <0.02 | 117.0 | 11.4 | 76 | 4.35 | 8.9 | 1.52 |
| W843883 | | 1.89 | 0.03 | 6.84 | 6450 | 1660 | 2.11 | 1.75 | 5.33 | 0.05 | 143.5 | 49.5 | 89 | 3.90 | 5.5 | 4.19 |
| W843884 | | 2.13 | 0.04 | 6.75 | 4440 | 1180 | 2.30 | 5.32 | 3.98 | <0.02 | 115.5 | 46.9 | 65 | 4.04 | 11.3 | 3.81 |
| W843885 | | 1.98 | 0.04 | 6.50 | 1030 | 810 | 2.05 | 44.6 | 4.35 | 0.04 | 116.0 | 17.4 | 52 | 3.54 | 4.4 | 3.36 |
| W843886 | | 1.91 | 0.04 | 6.35 | 285 | 1620 | 2.16 | 2.00 | 4.88 | 0.02 | 105.0 | 6.0 | 50 | 3.44 | 6.2 | 2.95 |
| W843887 | | 2.75 | 0.03 | 6.36 | 182.0 | 1640 | 1.96 | 0.88 | 5.90 | 0.02 | 115.5 | 4.6 | 50 | 3.52 | 5.2 | 2.48 |
| W843888 | | 2.53 | 0.01 | 6.32 | 151.0 | 1650 | 2.10 | 0.54 | 5.23 | 0.02 | 92.8 | 4.0 | 51 | 4.44 | 7.2 | 2.70 |
| W843889 | | 2.89 | 0.01 | 6.64 | 77.7 | 1700 | 2.08 | 0.42 | 3.72 | 0.03 | 100.0 | 3.0 | 56 | 7.19 | 8.0 | 2.74 |
| W843890 | | 2.30 | 0.03 | 7.15 | 112.0 | 1790 | 2.17 | 0.58 | 4.44 | 0.04 | 115.5 | 4.5 | 55 | 5.79 | 19.6 | 2.83 |
| W843891 | | 2.38 | 0.05 | 6.62 | 218 | 1680 | 2.16 | 1.17 | 4.37 | 0.04 | 106.0 | 8.8 | 57 | 4.86 | 16.7 | 2.96 |
| W843892 | | 2.45 | 0.03 | 5.47 | 2360 | 180 | 1.74 | 3.09 | 4.42 | 0.02 | 80.3 | 22.2 | 46 | 3.48 | 14.3 | 5.55 |
| W843893 | | 2.50 | 0.13 | 4.40 | 414 | 770 | 1.53 | 7.17 | 2.60 | 0.04 | 61.4 | 15.0 | 54 | 3.04 | 9.0 | 2.87 |
| W843894 | | 2.53 | 0.10 | 4.21 | 393 | 280 | 1.46 | 14.90 | 2.83 | 0.03 | 61.9 | 19.7 | 51 | 2.78 | 11.2 | 4.10 |
| W843895 | | 2.52 | 0.09 | 3.76 | 722 | 760 | 1.32 | 10.55 | 2.54 | 0.03 | 61.8 | 17.1 | 46 | 2.25 | 9.1 | 4.02 |
| W843896 | | 2.95 | 0.44 | 3.27 | 761 | 170 | 1.11 | 30.6 | 1.61 | 0.04 | 59.2 | 17.8 | 43 | 1.76 | 16.0 | 5.84 |
| W843897 | | 2.79 | 0.16 | 3.98 | 1110 | 190 | 1.46 | 18.75 | 1.99 | 0.04 | 66.5 | 22.3 | 49 | 2.36 | 15.3 | 7.15 |
| W843898 | | 4.28 | 0.13 | 3.52 | 899 | 140 | 1.24 | 8.98 | 2.36 | 0.05 | 64.5 | 20.2 | 43 | 2.39 | 7.5 | 7.48 |
| W843899 | | 3.60 | 0.18 | 3.28 | 644 | 60 | 1.22 | 10.40 | 0.92 | 0.02 | 50.7 | 19.2 | 44 | 1.91 | 7.6 | 8.84 |
| W843900 | | 4.30 | 0.25 | 2.69 | 801 | 60 | 1.02 | 10.20 | 0.81 | 0.05 | 46.1 | 21.4 | 42 | 1.44 | 8.0 | 10.80 |
| W843901 | | 3.65 | 0.17 | 2.69 | 719 | 50 | 1.09 | 8.07 | 1.32 | 0.06 | 39.6 | 21.4 | 42 | 1.54 | 7.3 | 10.40 |
| W843902 | | 4.01 | 0.13 | 2.55 | 545 | 50 | 0.91 | 7.41 | 1.59 | 0.04 | 40.3 | 19.0 | 45 | 1.49 | 7.8 | 9.56 |
| W843903 | | 4.86 | 0.22 | 2.09 | 825 | 50 | 0.76 | 8.35 | 1.15 | 0.05 | 35.5 | 23.1 | 37 | 1.15 | 10.1 | 18.00 |
| W843904 | | 5.06 | 0.21 | 2.07 | 843 | 50 | 0.79 | 8.25 | 1.11 | 0.06 | 37.8 | 23.9 | 37 | 1.22 | 15.7 | 16.70 |
| W843905 | | 5.12 | 0.23 | 1.99 | 801 | 50 | 0.69 | 8.36 | 1.09 | 0.08 | 33.4 | 23.3 | 36 | 1.25 | 20.6 | 16.80 |
| W843906 | | 4.90 | 0.25 | 1.61 | 1360 | 70 | 0.53 | 6.39 | 0.86 | 0.08 | 27.1 | 31.5 | 29 | 0.95 | 17.2 | 20.0 |
| W843907 | | 5.24 | 0.67 | 1.50 | 1470 | 60 | 0.49 | 6.68 | 0.92 | 0.09 | 25.3 | 28.8 | 28 | 0.92 | 17.4 | 21.2 |
| W843908 | | 4.35 | 0.18 | 1.18 | 1160 | 50 | 0.39 | 6.07 | 0.83 | 0.06 | 17.65 | 25.8 | 26 | 0.63 | 15.2 | 20.0 |
| W843909 | | 4.21 | 0.28 | 1.04 | 1830 | 50 | 0.36 | 12.00 | 0.59 | 0.05 | 14.80 | 35.9 | 23 | 0.53 | 12.7 | 26.6 |

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

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


**Finalized Date: 20-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20171203

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843870 | | 17.45 | 0.15 | 3.3 | 0.050 | 3.32 | 44.5 | 12.9 | 0.75 | 848 | 10.75 | 0.06 | 29.4 | 59.0 | 2130 | 7.0 |
| W843871 | | 14.05 | 0.14 | 2.7 | 0.034 | 2.72 | 39.2 | 10.8 | 1.42 | 1000 | 5.59 | 0.05 | 25.2 | 36.3 | 2840 | 2.5 |
| W843872 | | 14.80 | 0.13 | 2.9 | 0.047 | 2.83 | 36.3 | 11.8 | 1.23 | 1020 | 11.00 | 0.05 | 27.1 | 60.0 | 1920 | 3.0 |
| W843873 | | 16.45 | 0.15 | 3.2 | 0.053 | 3.15 | 51.9 | 12.8 | 1.44 | 920 | 7.11 | 0.06 | 32.4 | 46.4 | 3060 | 4.1 |
| W843874 | | 18.95 | 0.19 | 2.8 | 0.060 | 3.33 | 61.8 | 14.2 | 2.00 | 981 | 1.19 | 0.06 | 46.2 | 30.0 | 1990 | 2.4 |
| W843875 | | 14.30 | 0.16 | 2.4 | 0.050 | 2.56 | 49.3 | 10.1 | 3.12 | 1810 | 1.40 | 0.06 | 32.2 | 25.1 | 1860 | 2.2 |
| W843876 | | 19.05 | 0.19 | 2.5 | 0.055 | 3.32 | 62.2 | 12.4 | 1.97 | 1070 | 1.09 | 0.07 | 44.8 | 46.2 | 2300 | 1.9 |
| W843877 | | 19.75 | 0.19 | 3.8 | 0.064 | 3.50 | 66.3 | 14.1 | 1.05 | 999 | 6.16 | 0.07 | 43.9 | 70.0 | 3050 | 2.8 |
| W843878 | | 18.90 | 0.22 | 3.7 | 0.059 | 3.47 | 58.5 | 13.6 | 1.48 | 687 | 10.25 | 0.07 | 44.3 | 35.6 | 2530 | 3.0 |
| W843879 | | 18.70 | 0.21 | 2.2 | 0.055 | 3.21 | 56.5 | 12.8 | 2.36 | 1020 | 1.15 | 0.07 | 49.8 | 26.0 | 2240 | 1.7 |
| W843880 | | 19.25 | 0.20 | 2.5 | 0.057 | 3.34 | 65.3 | 13.2 | 2.30 | 981 | 0.83 | 0.06 | 48.1 | 29.4 | 1950 | 1.8 |
| W843881 | | 18.55 | 0.20 | 3.5 | 0.052 | 3.25 | 66.9 | 13.3 | 2.26 | 864 | 3.62 | 0.07 | 41.7 | 44.8 | 4850 | 3.1 |
| W843882 | | 20.3 | 0.20 | 4.1 | 0.060 | 3.68 | 62.0 | 16.0 | 1.44 | 562 | 2.35 | 0.07 | 52.7 | 23.6 | 2780 | 1.9 |
| W843883 | | 18.40 | 0.21 | 3.4 | 0.065 | 3.31 | 79.5 | 13.9 | 2.71 | 1180 | 7.94 | 0.08 | 37.5 | 33.5 | 3080 | 3.9 |
| W843884 | | 19.00 | 0.17 | 3.2 | 0.054 | 3.33 | 62.9 | 15.2 | 2.10 | 888 | 4.11 | 0.06 | 48.4 | 38.2 | 2650 | 2.2 |
| W843885 | | 18.10 | 0.19 | 2.1 | 0.058 | 3.18 | 62.9 | 13.6 | 2.29 | 915 | 1.28 | 0.06 | 41.9 | 27.0 | 1940 | 2.4 |
| W843886 | | 17.70 | 0.17 | 1.9 | 0.056 | 3.18 | 58.0 | 12.8 | 2.47 | 1020 | 0.93 | 0.05 | 40.6 | 22.6 | 1770 | 1.4 |
| W843887 | | 17.40 | 0.19 | 3.2 | 0.053 | 3.17 | 60.9 | 12.7 | 2.91 | 1280 | 0.90 | 0.06 | 45.0 | 26.4 | 1990 | 1.7 |
| W843888 | | 17.00 | 0.16 | 2.4 | 0.058 | 3.19 | 50.1 | 12.0 | 2.73 | 1180 | 0.70 | 0.05 | 40.7 | 15.8 | 1580 | 1.8 |
| W843889 | | 17.55 | 0.17 | 2.2 | 0.052 | 3.51 | 53.3 | 14.2 | 2.50 | 1020 | 0.55 | 0.05 | 46.0 | 20.0 | 1860 | 1.3 |
| W843890 | | 19.15 | 0.21 | 2.0 | 0.057 | 3.61 | 60.9 | 14.1 | 2.59 | 1120 | 0.82 | 0.06 | 46.9 | 26.4 | 1890 | 1.7 |
| W843891 | | 18.20 | 0.17 | 2.3 | 0.057 | 3.37 | 56.9 | 13.8 | 2.37 | 1040 | 1.46 | 0.06 | 42.9 | 28.5 | 2230 | 1.7 |
| W843892 | | 14.65 | 0.14 | 1.9 | 0.047 | 2.67 | 42.5 | 10.3 | 2.34 | 1140 | 2.06 | 0.05 | 30.2 | 40.7 | 1630 | 1.8 |
| W843893 | | 12.20 | 0.12 | 2.3 | 0.030 | 2.19 | 33.2 | 9.9 | 1.38 | 708 | 5.33 | 0.03 | 24.3 | 33.9 | 1650 | 3.5 |
| W843894 | | 12.30 | 0.13 | 2.3 | 0.038 | 2.06 | 33.1 | 10.0 | 1.52 | 847 | 12.55 | 0.04 | 21.4 | 45.7 | 1480 | 2.5 |
| W843895 | | 10.60 | 0.12 | 1.8 | 0.131 | 1.71 | 32.6 | 7.5 | 1.38 | 1120 | 4.79 | 0.05 | 20.9 | 45.0 | 1760 | 2.2 |
| W843896 | | 9.55 | 0.11 | 1.7 | 0.086 | 1.35 | 31.6 | 5.7 | 0.95 | 794 | 4.79 | 0.06 | 15.7 | 44.7 | 1610 | 3.3 |
| W843897 | | 11.95 | 0.13 | 2.1 | 0.144 | 1.65 | 35.7 | 7.1 | 1.20 | 1290 | 6.31 | 0.07 | 20.1 | 48.4 | 1740 | 4.8 |
| W843898 | | 10.45 | 0.10 | 1.8 | 0.057 | 1.59 | 33.7 | 6.7 | 1.32 | 1630 | 4.78 | 0.05 | 16.6 | 44.1 | 1530 | 2.7 |
| W843899 | | 9.85 | 0.10 | 1.9 | 0.067 | 1.45 | 27.4 | 5.8 | 0.58 | 1060 | 4.81 | 0.04 | 12.0 | 43.2 | 1400 | 2.8 |
| W843900 | | 7.95 | 0.12 | 1.7 | 0.043 | 1.12 | 23.5 | 4.2 | 0.49 | 840 | 5.39 | 0.04 | 10.9 | 49.2 | 1430 | 3.3 |
| W843901 | | 8.08 | 0.10 | 1.7 | 0.072 | 1.12 | 21.1 | 4.4 | 0.72 | 806 | 4.74 | 0.04 | 10.3 | 45.2 | 1330 | 3.0 |
| W843902 | | 7.45 | 0.09 | 1.5 | 0.046 | 1.13 | 22.0 | 4.2 | 0.79 | 572 | 3.75 | 0.04 | 9.9 | 42.1 | 1420 | 2.8 |
| W843903 | | 6.04 | 0.10 | 1.2 | 0.048 | 0.87 | 19.0 | 3.2 | 0.61 | 577 | 3.73 | 0.03 | 7.8 | 55.7 | 1070 | 3.1 |
| W843904 | | 6.33 | 0.10 | 1.3 | 0.060 | 0.88 | 19.8 | 3.3 | 0.57 | 842 | 3.87 | 0.03 | 7.9 | 60.1 | 1300 | 3.4 |
| W843905 | | 6.15 | 0.10 | 1.2 | 0.056 | 0.87 | 17.6 | 3.0 | 0.54 | 695 | 4.30 | 0.03 | 7.2 | 58.3 | 1340 | 3.7 |
| W843906 | | 4.87 | 0.06 | 1.0 | 0.059 | 0.65 | 12.3 | 2.5 | 0.44 | 544 | 3.69 | 0.03 | 5.7 | 51.1 | 980 | 4.7 |
| W843907 | | 4.46 | 0.07 | 0.9 | 0.056 | 0.63 | 12.3 | 2.1 | 0.45 | 481 | 3.23 | 0.02 | 4.8 | 49.8 | 860 | 3.5 |
| W843908 | | 3.52 | 0.06 | 0.7 | 0.071 | 0.43 | 8.4 | 1.5 | 0.43 | 630 | 2.21 | 0.03 | 3.6 | 46.7 | 830 | 2.6 |
| W843909 | | 3.13 | 0.07 | 0.7 | 0.071 | 0.35 | 7.7 | 1.3 | 0.34 | 451 | 2.66 | 0.03 | 3.0 | 56.9 | 670 | 2.7 |

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

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**Finalized Date: 20-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20171203

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843870 | | 137.0 | <0.002 | 0.04 | 1.27 | 16.1 | 1 | 13.4 | 42.8 | 1.56 | 0.18 | 9.51 | 0.507 | 0.65 | 5.2 | 222 |
| W843871 | | 108.5 | <0.002 | 0.03 | 0.71 | 13.0 | 1 | 10.6 | 63.9 | 1.24 | 0.07 | 8.04 | 0.503 | 0.53 | 4.0 | 216 |
| W843872 | | 115.5 | <0.002 | 0.03 | 0.97 | 14.5 | 1 | 11.2 | 52.2 | 1.34 | 0.07 | 7.82 | 0.472 | 0.54 | 5.4 | 151 |
| W843873 | | 126.0 | <0.002 | 0.04 | 1.13 | 14.3 | 1 | 12.5 | 74.8 | 1.66 | 0.08 | 9.30 | 0.564 | 0.56 | 4.8 | 215 |
| W843874 | | 136.0 | <0.002 | 0.04 | 0.71 | 13.9 | 1 | 15.5 | 90.4 | 2.14 | <0.05 | 13.15 | 0.655 | 0.59 | 2.8 | 122 |
| W843875 | | 106.5 | <0.002 | 0.13 | 0.54 | 10.1 | 1 | 13.8 | 96.8 | 1.52 | <0.05 | 9.68 | 0.480 | 0.46 | 2.5 | 97 |
| W843876 | | 140.0 | <0.002 | 0.08 | 0.67 | 14.6 | 1 | 16.1 | 73.6 | 2.11 | <0.05 | 11.75 | 0.652 | 0.60 | 2.4 | 107 |
| W843877 | | 146.0 | <0.002 | 0.03 | 0.70 | 16.6 | 1 | 14.9 | 59.2 | 2.20 | 0.10 | 12.30 | 0.707 | 0.67 | 4.7 | 159 |
| W843878 | | 141.5 | 0.004 | 0.10 | 0.64 | 16.6 | 1 | 13.2 | 69.7 | 2.14 | 0.10 | 11.85 | 0.708 | 0.63 | 4.5 | 165 |
| W843879 | | 133.0 | 0.004 | 0.25 | 0.52 | 13.9 | 1 | 15.4 | 81.9 | 2.26 | 0.09 | 11.80 | 0.677 | 0.58 | 2.1 | 107 |
| W843880 | | 143.0 | 0.004 | 0.47 | 0.56 | 14.8 | 1 | 16.2 | 83.2 | 2.29 | <0.05 | 12.70 | 0.658 | 0.63 | 2.4 | 99 |
| W843881 | | 132.5 | 0.011 | 0.45 | 0.77 | 14.6 | 1 | 15.8 | 95.3 | 2.01 | 0.08 | 12.20 | 0.640 | 0.58 | 3.8 | 164 |
| W843882 | | 145.5 | 0.004 | 0.28 | 0.54 | 16.3 | 1 | 17.2 | 62.8 | 2.59 | <0.05 | 15.30 | 0.768 | 0.66 | 3.9 | 161 |
| W843883 | | 135.0 | 0.007 | 0.67 | 1.32 | 17.3 | 2 | 20.0 | 85.0 | 1.77 | 0.92 | 11.75 | 0.619 | 0.62 | 4.4 | 165 |
| W843884 | | 139.5 | 0.012 | 1.40 | 1.92 | 15.0 | 2 | 18.0 | 75.5 | 2.25 | 0.39 | 11.75 | 0.661 | 0.60 | 4.0 | 149 |
| W843885 | | 131.0 | 0.005 | 1.72 | 0.79 | 14.3 | 1 | 17.1 | 75.6 | 2.01 | 0.13 | 11.30 | 0.615 | 0.54 | 2.6 | 99 |
| W843886 | | 132.0 | 0.004 | 0.88 | 0.70 | 13.7 | 1 | 14.6 | 89.3 | 1.87 | <0.05 | 11.00 | 0.591 | 0.57 | 2.2 | 94 |
| W843887 | | 129.0 | 0.004 | 0.32 | 0.60 | 13.3 | <1 | 14.2 | 104.0 | 2.17 | <0.05 | 11.80 | 0.650 | 0.55 | 2.4 | 101 |
| W843888 | | 134.5 | 0.002 | 0.21 | 0.54 | 12.9 | <1 | 12.6 | 106.0 | 1.86 | <0.05 | 11.45 | 0.601 | 0.55 | 2.2 | 115 |
| W843889 | | 153.0 | <0.002 | 0.15 | 0.62 | 13.8 | <1 | 13.1 | 82.8 | 2.12 | <0.05 | 11.25 | 0.665 | 0.79 | 2.0 | 121 |
| W843890 | | 156.5 | 0.006 | 0.31 | 0.59 | 14.7 | 1 | 15.0 | 94.8 | 2.24 | <0.05 | 12.20 | 0.691 | 0.70 | 2.3 | 110 |
| W843891 | | 141.0 | 0.004 | 0.65 | 0.61 | 13.6 | <1 | 14.8 | 91.1 | 2.02 | <0.05 | 11.50 | 0.619 | 0.61 | 2.5 | 117 |
| W843892 | | 107.5 | 0.002 | 3.42 | 0.93 | 11.6 | 2 | 13.0 | 77.5 | 1.46 | 0.13 | 8.90 | 0.460 | 0.50 | 2.3 | 97 |
| W843893 | | 88.3 | 0.014 | 1.42 | 1.01 | 9.6 | 1 | 12.8 | 53.1 | 1.24 | 0.12 | 6.77 | 0.410 | 0.42 | 3.6 | 126 |
| W843894 | | 84.7 | 0.012 | 2.35 | 1.19 | 9.5 | 2 | 13.6 | 51.7 | 1.10 | 0.12 | 6.64 | 0.358 | 0.53 | 3.4 | 121 |
| W843895 | | 70.0 | 0.009 | 1.47 | 1.22 | 8.1 | 1 | 12.3 | 48.2 | 1.00 | 0.07 | 6.18 | 0.341 | 0.38 | 3.4 | 107 |
| W843896 | | 54.0 | 0.012 | 3.48 | 1.94 | 7.3 | 2 | 11.5 | 39.2 | 0.75 | 0.07 | 5.62 | 0.263 | 0.40 | 3.5 | 94 |
| W843897 | | 69.1 | 0.011 | 3.85 | 2.42 | 8.9 | 2 | 13.6 | 47.9 | 0.92 | 0.11 | 6.97 | 0.323 | 0.38 | 5.1 | 111 |
| W843898 | | 67.6 | 0.007 | 4.22 | 2.52 | 7.8 | 2 | 12.1 | 41.6 | 0.75 | 0.10 | 6.31 | 0.264 | 0.40 | 5.3 | 99 |
| W843899 | | 59.4 | 0.008 | 6.73 | 5.32 | 7.4 | 3 | 11.4 | 26.1 | 0.58 | 0.09 | 5.29 | 0.203 | 0.47 | 6.5 | 101 |
| W843900 | | 45.9 | 0.010 | 9.58 | 4.68 | 6.0 | 3 | 8.8 | 23.5 | 0.51 | 0.11 | 4.80 | 0.183 | 0.38 | 5.5 | 93 |
| W843901 | | 46.4 | 0.008 | 8.90 | 3.80 | 6.4 | 4 | 8.2 | 34.6 | 0.50 | 0.10 | 4.40 | 0.174 | 0.36 | 5.3 | 94 |
| W843902 | | 45.7 | 0.008 | 9.00 | 2.48 | 6.0 | 3 | 6.8 | 40.6 | 0.47 | 0.11 | 4.08 | 0.175 | 0.31 | 3.9 | 93 |
| W843903 | | 34.9 | 0.008 | >10.0 | 2.73 | 4.8 | 6 | 5.4 | 31.2 | 0.39 | 0.12 | 3.23 | 0.142 | 0.29 | 3.1 | 76 |
| W843904 | | 37.3 | 0.010 | >10.0 | 3.57 | 5.2 | 6 | 5.4 | 33.5 | 0.41 | 0.11 | 3.38 | 0.137 | 0.35 | 4.0 | 83 |
| W843905 | | 37.3 | 0.007 | >10.0 | 3.61 | 5.1 | 5 | 5.0 | 31.6 | 0.38 | 0.10 | 3.11 | 0.133 | 0.32 | 3.9 | 87 |
| W843906 | | 26.2 | 0.006 | >10.0 | 2.96 | 3.5 | 6 | 3.8 | 24.9 | 0.31 | 0.16 | 2.82 | 0.106 | 0.26 | 3.2 | 70 |
| W843907 | | 25.6 | 0.006 | >10.0 | 2.34 | 3.2 | 6 | 3.2 | 25.0 | 0.28 | 0.16 | 2.52 | 0.090 | 0.25 | 2.6 | 65 |
| W843908 | | 16.0 | 0.005 | >10.0 | 2.30 | 2.5 | 6 | 2.8 | 22.4 | 0.21 | 0.10 | 2.02 | 0.071 | 0.19 | 2.3 | 47 |
| W843909 | | 13.0 | 0.005 | >10.0 | 2.77 | 2.2 | 7 | 2.7 | 17.0 | 0.17 | 0.16 | 1.97 | 0.063 | 0.19 | 2.1 | 41 |

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

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**Finalized Date: 20-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20171203

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W843870 | | 4.2 | 15.3 | 22 | 142.0 | 0.129 |
| W843871 | | 3.9 | 14.5 | 15 | 112.5 | 0.147 |
| W843872 | | 3.8 | 13.9 | 19 | 124.5 | 0.048 |
| W843873 | | 4.4 | 16.7 | 18 | 134.0 | 0.049 |
| W843874 | | 4.7 | 17.6 | 14 | 125.0 | 0.017 |
| W843875 | | 4.0 | 16.7 | 13 | 106.5 | 0.067 |
| W843876 | | 5.0 | 19.6 | 11 | 112.0 | 0.022 |
| W843877 | | 5.3 | 26.1 | 19 | 161.5 | 0.017 |
| W843878 | | 4.9 | 20.2 | 16 | 158.5 | 0.013 |
| W843879 | | 4.9 | 20.7 | 13 | 99.6 | 0.018 |
| W843880 | | 5.1 | 19.2 | 12 | 115.5 | 0.032 |
| W843881 | | 5.2 | 21.6 | 17 | 149.0 | 0.058 |
| W843882 | | 5.1 | 18.7 | 13 | 170.5 | 0.011 |
| W843883 | | 5.4 | 27.3 | 22 | 145.5 | 0.181 |
| W843884 | | 5.0 | 19.7 | 14 | 140.5 | 0.186 |
| W843885 | | 5.3 | 16.6 | 16 | 94.8 | 0.160 |
| W843886 | | 4.4 | 15.3 | 13 | 83.5 | 0.048 |
| W843887 | | 4.5 | 18.4 | 16 | 115.5 | 0.099 |
| W843888 | | 4.0 | 13.4 | 16 | 134.5 | 0.096 |
| W843889 | | 4.0 | 13.5 | 19 | 106.5 | 0.094 |
| W843890 | | 4.6 | 15.1 | 19 | 118.0 | 0.119 |
| W843891 | | 4.6 | 15.6 | 16 | 106.5 | 0.076 |
| W843892 | | 5.3 | 12.9 | 15 | 82.2 | 0.128 |
| W843893 | | 4.4 | 11.4 | 13 | 94.5 | 0.099 |
| W843894 | | 4.8 | 11.2 | 16 | 92.4 | 0.130 |
| W843895 | | 3.7 | 11.6 | 24 | 80.3 | 0.192 |
| W843896 | | 3.7 | 9.9 | 27 | 71.5 | 0.631 |
| W843897 | | 4.5 | 11.8 | 50 | 92.2 | 0.383 |
| W843898 | | 3.0 | 11.2 | 61 | 83.4 | 0.341 |
| W843899 | | 2.8 | 10.4 | 53 | 83.4 | 0.259 |
| W843900 | | 2.5 | 10.9 | 52 | 75.8 | 0.347 |
| W843901 | | 2.3 | 9.3 | 53 | 77.6 | 0.375 |
| W843902 | | 1.9 | 8.4 | 32 | 65.2 | 0.361 |
| W843903 | | 1.6 | 9.0 | 27 | 54.8 | 0.443 |
| W843904 | | 1.6 | 9.2 | 37 | 61.8 | 0.391 |
| W843905 | | 1.5 | 10.5 | 32 | 54.0 | 0.531 |
| W843906 | | 1.2 | 7.8 | 37 | 46.5 | 0.832 |
| W843907 | | 1.0 | 8.3 | 25 | 37.2 | 0.600 |
| W843908 | | 1.0 | 5.9 | 31 | 32.0 | 0.741 |
| W843909 | | 0.9 | 7.8 | 27 | 30.1 | 1.020 |

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

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Project: Rau

# CERTIFICATE OF ANALYSIS WH20171203

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843910 | | 4.23 | 0.13 | 1.63 | 854 | 50 | 0.49 | 5.17 | 1.18 | 0.05 | 20.4 | 29.4 | 31 | 0.99 | 30.0 | 18.50 |
| W843911 | | 4.53 | 0.22 | 2.01 | 1190 | 50 | 0.59 | 9.44 | 1.15 | 0.05 | 25.7 | 27.4 | 36 | 1.13 | 24.7 | 18.50 |
| W843912 | | 4.78 | 0.14 | 1.98 | 788 | 60 | 0.60 | 5.76 | 1.53 | 0.06 | 22.0 | 23.2 | 36 | 1.20 | 24.6 | 15.90 |
| W843913 | | 3.83 | 0.12 | 2.15 | 761 | 60 | 0.70 | 5.42 | 1.66 | 0.10 | 24.6 | 19.2 | 40 | 1.31 | 28.9 | 11.90 |
| W843914 | | 4.30 | 0.14 | 2.06 | 723 | 60 | 0.64 | 5.04 | 1.68 | 0.08 | 24.2 | 23.3 | 38 | 1.24 | 25.4 | 14.65 |
| W843915 | | 4.37 | 0.16 | 1.83 | 926 | 70 | 0.58 | 5.26 | 1.56 | 0.07 | 22.1 | 27.1 | 35 | 1.06 | 26.4 | 17.40 |
| W843916 | | 4.23 | 0.19 | 2.12 | 911 | 60 | 0.69 | 8.99 | 1.83 | 0.07 | 28.0 | 24.8 | 38 | 1.35 | 30.6 | 13.35 |
| W843917 | | 4.59 | 0.12 | 2.25 | 702 | 60 | 0.71 | 4.93 | 1.90 | 0.07 | 30.5 | 22.4 | 42 | 1.45 | 21.5 | 11.95 |
| W843918 | | 4.75 | 0.14 | 2.40 | 907 | 60 | 0.75 | 5.91 | 1.96 | 0.09 | 32.3 | 24.7 | 45 | 1.48 | 17.4 | 12.00 |
| W843919 | | 4.19 | 0.15 | 2.21 | 813 | 60 | 0.68 | 4.91 | 1.98 | 0.09 | 30.0 | 26.4 | 40 | 1.37 | 17.5 | 12.65 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20171203

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843910 | | 4.83 | 0.05 | 0.9 | 0.066 | 0.70 | 9.4 | 2.3 | 0.53 | 549 | 3.16 | 0.03 | 4.9 | 52.4 | 1530 | 2.8 |
| W843911 | | 5.72 | 0.05 | 1.1 | 0.061 | 0.81 | 12.4 | 2.6 | 0.57 | 531 | 4.17 | 0.04 | 6.2 | 55.6 | 1430 | 3.1 |
| W843912 | | 5.45 | 0.05 | 1.0 | 0.051 | 0.89 | 10.4 | 2.7 | 0.69 | 470 | 3.90 | 0.03 | 5.8 | 48.3 | 1400 | 2.8 |
| W843913 | | 6.02 | <0.05 | 1.1 | 0.050 | 0.93 | 11.8 | 2.7 | 0.74 | 550 | 4.46 | 0.03 | 6.4 | 46.4 | 1760 | 3.1 |
| W843914 | | 5.90 | <0.05 | 1.0 | 0.050 | 0.88 | 11.5 | 2.7 | 0.74 | 570 | 4.21 | 0.03 | 6.3 | 46.4 | 1900 | 3.2 |
| W843915 | | 5.02 | <0.05 | 0.9 | 0.061 | 0.77 | 10.4 | 2.3 | 0.69 | 574 | 3.50 | 0.03 | 5.5 | 49.6 | 1640 | 3.4 |
| W843916 | | 5.99 | <0.05 | 1.1 | 0.046 | 0.92 | 13.7 | 2.9 | 0.80 | 499 | 4.03 | 0.03 | 6.5 | 49.4 | 1800 | 4.2 |
| W843917 | | 6.38 | <0.05 | 1.1 | 0.040 | 1.01 | 14.9 | 3.1 | 0.85 | 586 | 3.38 | 0.03 | 7.4 | 44.4 | 1540 | 3.4 |
| W843918 | | 6.73 | <0.05 | 1.4 | 0.064 | 1.05 | 17.0 | 3.4 | 0.91 | 599 | 3.89 | 0.04 | 8.0 | 45.0 | 1540 | 3.3 |
| W843919 | | 6.18 | <0.05 | 1.2 | 0.053 | 0.96 | 14.7 | 3.1 | 0.91 | 571 | 3.87 | 0.03 | 8.1 | 46.6 | 1500 | 3.4 |

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

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**Finalized Date: 20-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20171203

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843910 | | 29.0 | 0.008 | >10.0 | 1.72 | 3.5 | 7 | 3.4 | 30.4 | 0.28 | 0.10 | 2.37 | 0.100 | 0.24 | 2.9 | 77 |
| W843911 | | 31.8 | 0.008 | >10.0 | 2.69 | 4.2 | 5 | 4.3 | 30.5 | 0.37 | 0.12 | 3.03 | 0.128 | 0.28 | 3.4 | 90 |
| W843912 | | 34.9 | 0.011 | >10.0 | 1.88 | 4.1 | 6 | 3.7 | 36.1 | 0.36 | 0.09 | 2.96 | 0.125 | 0.27 | 3.2 | 96 |
| W843913 | | 37.9 | 0.011 | >10.0 | 2.02 | 4.5 | 4 | 4.3 | 39.8 | 0.37 | 0.10 | 3.27 | 0.133 | 0.27 | 3.7 | 104 |
| W843914 | | 35.5 | 0.014 | >10.0 | 2.01 | 4.3 | 5 | 4.4 | 40.3 | 0.36 | 0.11 | 3.13 | 0.131 | 0.27 | 3.5 | 100 |
| W843915 | | 30.3 | 0.011 | >10.0 | 2.00 | 3.8 | 5 | 3.7 | 37.2 | 0.33 | 0.06 | 2.64 | 0.117 | 0.25 | 3.0 | 86 |
| W843916 | | 38.1 | 0.011 | >10.0 | 2.68 | 4.6 | 4 | 3.9 | 44.2 | 0.38 | 0.14 | 3.24 | 0.133 | 0.28 | 3.4 | 99 |
| W843917 | | 41.4 | 0.007 | >10.0 | 1.98 | 4.8 | 4 | 4.2 | 45.2 | 0.42 | 0.11 | 3.48 | 0.153 | 0.28 | 3.2 | 92 |
| W843918 | | 41.5 | 0.010 | >10.0 | 2.33 | 5.0 | 4 | 4.7 | 47.3 | 0.46 | 0.14 | 3.78 | 0.161 | 0.30 | 3.3 | 95 |
| W843919 | | 40.0 | 0.006 | >10.0 | 2.33 | 4.5 | 4 | 4.3 | 47.5 | 0.47 | 0.13 | 3.43 | 0.153 | 0.25 | 3.0 | 89 |

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**Finalized Date: 20-AUG-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20171203

| Sample Description | Method Analyte Units LOD | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 | Au-AA24 Au ppm 0.005 |
|---|---|---|---|---|---|---|
| W843910 | | 0.9 | 6.8 | 24 | 37.1 | 0.450 |
| W843911 | | 1.4 | 8.2 | 30 | 47.5 | 1.005 |
| W843912 | | 1.1 | 6.5 | 22 | 41.2 | 0.344 |
| W843913 | | 1.2 | 7.2 | 30 | 47.7 | 0.407 |
| W843914 | | 1.2 | 7.4 | 26 | 44.6 | 0.432 |
| W843915 | | 1.2 | 7.1 | 25 | 38.3 | 0.571 |
| W843916 | | 1.2 | 7.9 | 24 | 44.2 | 0.425 |
| W843917 | | 1.3 | 7.3 | 25 | 47.7 | 0.316 |
| W843918 | | 1.5 | 7.9 | 28 | 53.3 | 0.392 |
| W843919 | | 1.5 | 8.0 | 26 | 50.6 | 0.660 |

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Project: Rau


**Finalized Date: 20-AUG-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20171203

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20172168

Project: Rau

P.O. No.: R20-B04

This report is for 74 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 11-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172168

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843761 | | 2.50 | 0.03 | 5.95 | 68.8 | 2010 | 1.78 | 0.17 | 1.68 | 0.13 | 90.0 | 10.8 | 52 | 3.60 | 24.6 | 4.93 |
| W843762 | | 2.38 | 0.08 | 7.45 | 25.7 | 2490 | 2.34 | 0.65 | 0.56 | 0.08 | 124.0 | 15.4 | 53 | 5.40 | 47.3 | 5.90 |
| W843763 | | 1.91 | 0.17 | 6.56 | 40.6 | 2160 | 2.06 | 0.94 | 0.46 | 0.13 | 95.0 | 26.1 | 51 | 4.25 | 102.5 | 6.44 |
| W843764 | | 2.03 | 0.03 | 7.41 | 15.9 | 2510 | 2.42 | 0.41 | 1.02 | 0.16 | 129.5 | 20.0 | 56 | 5.43 | 42.2 | 5.19 |
| W843765 | | 2.29 | 0.04 | 6.69 | 16.1 | 2400 | 2.24 | 0.29 | 2.42 | 0.10 | 102.5 | 13.3 | 54 | 4.63 | 26.2 | 4.96 |
| W843766 | | 2.55 | 0.05 | 6.63 | 20.9 | 2450 | 2.26 | 0.39 | 2.11 | 0.09 | 108.0 | 18.1 | 57 | 4.81 | 63.3 | 5.12 |
| W843767 | | 2.41 | 0.04 | 7.34 | 8.3 | 2560 | 2.35 | 0.27 | 0.91 | 0.07 | 137.0 | 12.3 | 45 | 5.25 | 34.8 | 5.52 |
| W843768 | | 2.19 | 0.04 | 6.37 | 12.4 | 2320 | 2.11 | 0.38 | 2.26 | 0.07 | 94.4 | 17.3 | 51 | 4.34 | 55.8 | 5.23 |
| W843769 | | 2.24 | 0.03 | 6.33 | 15.3 | 2190 | 2.05 | 0.28 | 2.00 | 0.07 | 101.5 | 18.3 | 50 | 4.33 | 48.8 | 5.22 |
| W843770 | | 2.02 | 0.04 | 6.52 | 27.1 | 2280 | 2.07 | 0.15 | 2.61 | 0.09 | 104.0 | 13.3 | 49 | 4.35 | 30.8 | 4.84 |
| W843771 | | 2.37 | 0.02 | 6.52 | 35.5 | 2320 | 2.00 | 0.20 | 2.11 | 0.11 | 97.8 | 23.3 | 53 | 4.35 | 38.7 | 5.39 |
| W843772 | | 2.35 | 0.01 | 6.50 | 27.7 | 2330 | 2.03 | 0.12 | 2.03 | 0.05 | 96.1 | 16.2 | 51 | 4.38 | 26.7 | 5.20 |
| W843773 | | 2.61 | 0.03 | 6.41 | 38.9 | 2250 | 1.97 | 0.28 | 1.58 | 0.06 | 93.8 | 20.5 | 54 | 4.20 | 51.5 | 5.40 |
| W843774 | | 2.25 | 0.01 | 6.24 | 13.5 | 2170 | 1.93 | 0.11 | 2.44 | 0.05 | 88.7 | 11.9 | 52 | 3.93 | 28.6 | 4.89 |
| W843775 | | 2.31 | 0.05 | 6.02 | 20.4 | 2020 | 1.85 | 0.27 | 1.95 | 0.06 | 96.5 | 20.9 | 50 | 3.69 | 57.4 | 5.13 |
| W843776 | | 2.45 | 0.03 | 6.09 | 13.4 | 1580 | 1.82 | 0.32 | 2.09 | 0.06 | 97.0 | 22.4 | 51 | 3.47 | 56.8 | 5.53 |
| W843777 | | 2.58 | 0.04 | 6.08 | 18.9 | 1980 | 1.78 | 0.20 | 1.99 | 0.08 | 86.0 | 15.7 | 51 | 3.39 | 32.3 | 4.86 |
| W843778 | | 2.44 | 0.03 | 6.72 | 19.4 | 2290 | 2.10 | 0.21 | 1.44 | 0.07 | 118.0 | 15.6 | 53 | 4.01 | 28.0 | 4.95 |
| W843779 | | 2.25 | 0.02 | 6.76 | 25.7 | 2340 | 2.23 | 0.14 | 1.26 | 0.08 | 116.0 | 17.7 | 55 | 4.65 | 22.1 | 5.03 |
| W843780 | | 2.34 | 0.04 | 6.84 | 35.5 | 2350 | 2.23 | 0.28 | 1.13 | 0.03 | 112.0 | 22.3 | 55 | 4.70 | 37.8 | 4.83 |
| W843781 | | 2.67 | 0.07 | 7.02 | 17.1 | 2330 | 2.02 | 0.25 | 1.43 | 0.16 | 114.0 | 17.3 | 52 | 4.48 | 35.9 | 5.33 |
| W843782 | | 2.53 | 0.06 | 7.22 | 13.0 | 1480 | 2.18 | 0.60 | 1.41 | 0.09 | 120.0 | 21.5 | 50 | 5.14 | 54.1 | 5.34 |
| W843783 | | 2.84 | 0.06 | 6.24 | 27.6 | 1200 | 2.17 | 0.76 | 2.54 | 0.10 | 103.0 | 25.6 | 51 | 4.90 | 42.8 | 6.59 |
| W843784 | | 2.48 | 0.02 | 6.98 | 14.1 | 2320 | 2.17 | 0.27 | 1.54 | 0.11 | 133.5 | 20.7 | 45 | 4.11 | 29.6 | 5.64 |
| W843785 | | 2.98 | 0.06 | 6.67 | 9.7 | 740 | 1.87 | 0.50 | 2.34 | 0.08 | 126.5 | 25.1 | 41 | 4.09 | 42.3 | 5.75 |
| W843786 | | 2.77 | 0.06 | 6.78 | 9.2 | 750 | 2.04 | 0.60 | 1.98 | 0.06 | 120.5 | 17.9 | 50 | 3.94 | 38.6 | 5.56 |
| W843787 | | 2.81 | 0.08 | 6.36 | 19.3 | 280 | 1.93 | 1.11 | 2.36 | 0.08 | 90.8 | 19.4 | 53 | 4.26 | 54.8 | 5.51 |
| W843788 | | 2.94 | 0.18 | 6.62 | 12.1 | 120 | 2.19 | 2.46 | 2.06 | 0.10 | 80.3 | 27.2 | 56 | 4.05 | 85.9 | 7.22 |
| W843789 | | 3.05 | 0.04 | 6.70 | 10.3 | 1950 | 2.24 | 0.49 | 1.75 | 0.06 | 101.5 | 13.5 | 51 | 5.17 | 28.8 | 4.31 |
| W843790 | | 3.66 | 0.04 | 6.80 | 29.8 | 1550 | 2.14 | 0.45 | 1.72 | 0.07 | 118.0 | 16.4 | 47 | 4.97 | 30.4 | 5.17 |
| W843791 | | 3.83 | 0.06 | 6.77 | 13.5 | 1610 | 2.18 | 0.70 | 2.08 | 0.05 | 96.6 | 12.7 | 56 | 4.59 | 31.6 | 4.52 |
| W843792 | | 4.21 | 0.06 | 7.03 | 13.0 | 1820 | 2.26 | 0.47 | 1.37 | 0.07 | 124.5 | 12.6 | 46 | 5.02 | 30.2 | 5.44 |
| W843793 | | 3.44 | 0.05 | 6.84 | 20.8 | 1770 | 2.12 | 0.31 | 1.65 | 0.08 | 129.0 | 14.2 | 42 | 4.03 | 16.9 | 5.30 |
| W843794 | | 2.65 | 0.07 | 6.64 | 44.3 | 1980 | 2.08 | 0.35 | 1.93 | 0.09 | 117.0 | 18.8 | 49 | 4.64 | 31.2 | 5.92 |
| W843795 | | 3.66 | 0.03 | 7.02 | 11.5 | 2030 | 2.22 | 0.40 | 2.07 | 0.06 | 116.0 | 11.4 | 52 | 5.70 | 20.2 | 4.11 |
| W843796 | | 2.73 | 0.04 | 6.47 | 62.6 | 1900 | 2.23 | 0.36 | 1.98 | 0.06 | 102.0 | 25.6 | 47 | 4.97 | 26.0 | 5.83 |
| W843797 | | 4.20 | 0.08 | 6.36 | 21.1 | 970 | 2.01 | 1.54 | 2.67 | 0.04 | 108.5 | 20.4 | 51 | 4.10 | 39.4 | 4.52 |
| W843798 | | 4.25 | 0.07 | 3.48 | 189.5 | 950 | 0.96 | 0.26 | 5.91 | 0.09 | 77.6 | 13.4 | 33 | 2.15 | 31.3 | 4.10 |
| W843799 | | 4.41 | 0.04 | 6.06 | 22.7 | 1770 | 1.76 | 0.27 | 3.39 | 0.05 | 121.0 | 8.2 | 57 | 3.72 | 14.8 | 2.96 |
| W843800 | | 4.61 | 0.03 | 7.32 | 20.3 | 2180 | 2.25 | 0.36 | 2.78 | 0.03 | 121.0 | 10.8 | 54 | 4.78 | 13.8 | 3.18 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172168

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843761 | | 17.10 | 0.13 | 2.2 | 0.058 | 2.25 | 50.2 | 14.7 | 1.05 | 866 | 1.32 | 0.48 | 36.1 | 26.1 | 1280 | 3.4 |
| W843762 | | 22.5 | 0.15 | 3.4 | 0.080 | 2.83 | 66.8 | 24.9 | 1.14 | 396 | 3.25 | 0.29 | 61.7 | 28.3 | 1990 | 5.5 |
| W843763 | | 18.50 | 0.14 | 3.2 | 0.077 | 2.36 | 50.8 | 22.0 | 1.03 | 465 | 2.11 | 0.26 | 46.1 | 40.5 | 2120 | 7.9 |
| W843764 | | 21.8 | 0.17 | 4.8 | 0.086 | 2.71 | 70.7 | 26.9 | 1.43 | 591 | 1.90 | 0.34 | 60.3 | 32.3 | 2130 | 4.6 |
| W843765 | | 20.1 | 0.13 | 3.8 | 0.072 | 2.65 | 55.7 | 20.6 | 1.48 | 676 | 1.85 | 0.21 | 46.1 | 32.2 | 1830 | 4.2 |
| W843766 | | 20.0 | 0.14 | 2.9 | 0.067 | 2.76 | 58.3 | 19.9 | 1.28 | 581 | 2.17 | 0.22 | 36.3 | 33.5 | 2170 | 3.5 |
| W843767 | | 21.7 | 0.17 | 3.5 | 0.079 | 2.83 | 71.9 | 24.3 | 1.42 | 388 | 1.42 | 0.41 | 61.9 | 25.8 | 2020 | 3.8 |
| W843768 | | 18.85 | 0.14 | 3.1 | 0.064 | 2.61 | 49.9 | 18.9 | 1.75 | 580 | 1.76 | 0.25 | 33.7 | 28.4 | 1670 | 2.9 |
| W843769 | | 18.80 | 0.14 | 3.6 | 0.065 | 2.49 | 54.3 | 21.0 | 1.83 | 526 | 1.82 | 0.28 | 36.5 | 28.3 | 1740 | 3.7 |
| W843770 | | 19.05 | 0.15 | 2.8 | 0.066 | 2.55 | 55.0 | 23.4 | 1.86 | 654 | 1.79 | 0.29 | 41.7 | 26.2 | 2050 | 3.6 |
| W843771 | | 18.65 | 0.14 | 3.1 | 0.068 | 2.59 | 52.0 | 20.2 | 1.93 | 571 | 1.40 | 0.27 | 42.8 | 32.7 | 2260 | 3.5 |
| W843772 | | 18.75 | 0.13 | 2.9 | 0.071 | 2.61 | 51.1 | 19.7 | 1.64 | 600 | 1.55 | 0.23 | 36.4 | 30.0 | 1570 | 2.8 |
| W843773 | | 17.25 | 0.14 | 2.8 | 0.060 | 2.54 | 49.4 | 18.7 | 1.43 | 505 | 1.43 | 0.23 | 39.9 | 34.4 | 1790 | 3.7 |
| W843774 | | 18.00 | 0.13 | 2.0 | 0.060 | 2.45 | 47.2 | 18.5 | 1.86 | 543 | 1.04 | 0.24 | 39.1 | 23.1 | 1390 | 2.7 |
| W843775 | | 17.35 | 0.14 | 2.7 | 0.060 | 2.30 | 51.2 | 17.8 | 1.69 | 493 | 2.10 | 0.23 | 41.9 | 31.7 | 1720 | 3.9 |
| W843776 | | 17.45 | 0.15 | 2.6 | 0.062 | 2.36 | 51.4 | 15.8 | 1.93 | 528 | 2.28 | 0.21 | 41.8 | 33.0 | 1770 | 2.7 |
| W843777 | | 17.15 | 0.12 | 2.7 | 0.058 | 2.27 | 46.7 | 15.9 | 1.69 | 495 | 1.53 | 0.23 | 37.1 | 28.0 | 1690 | 4.2 |
| W843778 | | 19.65 | 0.15 | 2.8 | 0.068 | 2.69 | 63.7 | 18.8 | 1.66 | 398 | 1.65 | 0.24 | 53.7 | 27.1 | 1690 | 4.1 |
| W843779 | | 19.85 | 0.16 | 3.0 | 0.066 | 2.70 | 62.3 | 20.3 | 1.45 | 647 | 1.51 | 0.21 | 48.2 | 32.0 | 1640 | 3.3 |
| W843780 | | 19.05 | 0.15 | 2.8 | 0.063 | 2.76 | 61.6 | 21.2 | 1.68 | 314 | 2.05 | 0.22 | 49.9 | 39.0 | 1730 | 3.6 |
| W843781 | | 19.65 | 0.14 | 3.0 | 0.078 | 2.70 | 59.3 | 26.0 | 2.08 | 390 | 1.68 | 0.18 | 51.5 | 28.0 | 1800 | 6.7 |
| W843782 | | 20.6 | 0.16 | 4.1 | 0.080 | 2.82 | 61.7 | 25.7 | 1.77 | 377 | 2.89 | 0.15 | 50.9 | 30.7 | 2570 | 4.1 |
| W843783 | | 18.45 | 0.15 | 3.2 | 0.069 | 2.43 | 53.8 | 19.3 | 1.69 | 1340 | 2.61 | 0.12 | 44.8 | 47.2 | 3080 | 4.3 |
| W843784 | | 21.0 | 0.16 | 4.0 | 0.078 | 2.67 | 69.4 | 18.3 | 1.86 | 842 | 1.51 | 0.20 | 58.7 | 45.1 | 1980 | 4.5 |
| W843785 | | 19.55 | 0.16 | 2.7 | 0.069 | 2.26 | 65.0 | 16.2 | 1.63 | 458 | 1.53 | 0.18 | 60.3 | 29.0 | 1850 | 4.4 |
| W843786 | | 19.45 | 0.16 | 3.3 | 0.071 | 2.55 | 63.1 | 17.8 | 1.79 | 556 | 2.29 | 0.18 | 53.4 | 28.8 | 2310 | 3.6 |
| W843787 | | 17.15 | 0.12 | 2.8 | 0.066 | 2.53 | 46.3 | 18.1 | 1.84 | 635 | 3.24 | 0.12 | 32.4 | 28.5 | 2730 | 4.3 |
| W843788 | | 19.20 | 0.13 | 3.4 | 0.073 | 2.63 | 40.5 | 18.0 | 1.64 | 574 | 15.10 | 0.12 | 24.3 | 46.8 | 1080 | 8.3 |
| W843789 | | 19.65 | 0.14 | 3.0 | 0.068 | 2.87 | 53.2 | 18.4 | 1.82 | 625 | 2.46 | 0.13 | 36.3 | 27.3 | 1540 | 2.5 |
| W843790 | | 20.5 | 0.16 | 3.8 | 0.079 | 2.73 | 61.2 | 19.6 | 1.98 | 681 | 2.34 | 0.13 | 51.3 | 32.7 | 1510 | 2.8 |
| W843791 | | 20.1 | 0.14 | 3.9 | 0.076 | 2.95 | 51.1 | 15.5 | 1.39 | 604 | 9.02 | 0.12 | 34.2 | 26.4 | 1640 | 2.9 |
| W843792 | | 20.8 | 0.15 | 4.1 | 0.079 | 2.77 | 64.5 | 25.4 | 2.12 | 603 | 1.86 | 0.11 | 61.6 | 25.4 | 1420 | 2.7 |
| W843793 | | 19.85 | 0.17 | 2.2 | 0.080 | 2.66 | 67.5 | 23.3 | 1.90 | 758 | 0.82 | 0.10 | 64.6 | 28.6 | 1350 | 2.3 |
| W843794 | | 19.25 | 0.16 | 3.2 | 0.075 | 2.64 | 62.4 | 18.7 | 1.60 | 1130 | 2.07 | 0.14 | 50.4 | 39.0 | 1850 | 3.5 |
| W843795 | | 20.9 | 0.15 | 3.3 | 0.080 | 3.12 | 59.7 | 18.2 | 1.66 | 684 | 5.78 | 0.11 | 45.8 | 26.1 | 1590 | 2.5 |
| W843796 | | 18.40 | 0.14 | 2.7 | 0.074 | 2.79 | 53.4 | 16.5 | 1.53 | 1840 | 3.08 | 0.11 | 43.1 | 55.8 | 1650 | 2.4 |
| W843797 | | 18.35 | 0.15 | 3.0 | 0.078 | 2.91 | 56.3 | 14.6 | 1.55 | 746 | 3.53 | 0.11 | 38.0 | 34.5 | 2060 | 2.9 |
| W843798 | | 9.67 | 0.12 | 1.6 | 0.047 | 1.46 | 41.1 | 5.9 | 2.84 | 1520 | 1.06 | 0.09 | 24.2 | 21.7 | 1060 | 3.3 |
| W843799 | | 18.25 | 0.15 | 2.9 | 0.061 | 2.69 | 63.2 | 12.2 | 1.72 | 950 | 1.19 | 0.13 | 42.6 | 22.1 | 1620 | 2.3 |
| W843800 | | 21.7 | 0.15 | 4.0 | 0.078 | 3.34 | 63.3 | 15.0 | 1.53 | 1120 | 1.79 | 0.15 | 44.7 | 27.3 | 1800 | 2.1 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172168

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843761 | | 93.5 | <0.002 | 0.05 | 0.98 | 13.4 | 1 | 2.4 | 64.2 | 1.89 | <0.05 | 10.80 | 0.578 | 0.44 | 1.9 | 98 |
| W843762 | | 123.5 | <0.002 | 0.12 | 1.66 | 16.5 | 1 | 3.0 | 58.1 | 3.04 | 0.07 | 14.35 | 0.809 | 0.60 | 4.1 | 161 |
| W843763 | | 103.0 | <0.002 | 0.08 | 2.16 | 14.3 | 1 | 2.6 | 47.1 | 2.40 | 0.10 | 11.80 | 0.644 | 0.49 | 4.4 | 149 |
| W843764 | | 122.0 | <0.002 | 0.07 | 1.63 | 16.0 | 1 | 2.8 | 52.0 | 3.02 | 0.05 | 15.40 | 0.778 | 0.60 | 4.3 | 163 |
| W843765 | | 116.0 | <0.002 | 0.11 | 1.69 | 14.9 | 1 | 2.6 | 85.5 | 2.34 | <0.05 | 13.10 | 0.669 | 0.55 | 3.4 | 127 |
| W843766 | | 125.0 | <0.002 | 0.09 | 1.31 | 14.8 | 1 | 2.5 | 84.1 | 1.79 | 0.05 | 11.70 | 0.628 | 0.57 | 3.0 | 119 |
| W843767 | | 126.5 | <0.002 | 0.12 | 1.35 | 15.3 | 1 | 2.9 | 63.2 | 3.18 | <0.05 | 16.35 | 0.757 | 0.64 | 3.2 | 136 |
| W843768 | | 114.5 | 0.003 | 0.36 | 1.03 | 13.9 | 1 | 2.4 | 86.3 | 1.75 | 0.05 | 11.60 | 0.581 | 0.54 | 2.8 | 107 |
| W843769 | | 109.5 | 0.002 | 0.46 | 1.04 | 13.7 | 1 | 2.4 | 78.3 | 1.92 | <0.05 | 12.70 | 0.583 | 0.54 | 2.8 | 104 |
| W843770 | | 115.5 | 0.003 | 0.23 | 0.92 | 14.4 | 1 | 2.4 | 97.1 | 2.24 | <0.05 | 13.20 | 0.644 | 0.55 | 2.6 | 107 |
| W843771 | | 113.5 | 0.003 | 0.25 | 1.03 | 15.1 | 1 | 2.2 | 84.2 | 2.25 | <0.05 | 11.10 | 0.733 | 0.54 | 3.1 | 131 |
| W843772 | | 113.5 | 0.003 | 0.19 | 1.00 | 14.2 | 1 | 2.2 | 72.8 | 1.90 | <0.05 | 11.80 | 0.600 | 0.54 | 2.8 | 110 |
| W843773 | | 107.0 | 0.003 | 0.19 | 1.27 | 13.9 | 1 | 2.0 | 67.3 | 2.07 | 0.06 | 10.80 | 0.668 | 0.53 | 3.0 | 120 |
| W843774 | | 108.0 | <0.002 | 0.24 | 0.79 | 14.3 | 1 | 2.1 | 84.9 | 2.02 | <0.05 | 10.65 | 0.639 | 0.50 | 1.6 | 111 |
| W843775 | | 98.4 | 0.003 | 0.51 | 0.96 | 13.6 | 1 | 2.0 | 88.8 | 2.10 | 0.06 | 10.60 | 0.670 | 0.48 | 3.1 | 115 |
| W843776 | | 98.8 | 0.006 | 0.72 | 0.85 | 14.0 | 1 | 2.3 | 81.5 | 2.17 | <0.05 | 10.90 | 0.707 | 0.45 | 3.4 | 125 |
| W843777 | | 94.3 | 0.005 | 0.40 | 0.96 | 13.4 | 1 | 2.3 | 86.9 | 1.94 | <0.05 | 10.85 | 0.615 | 0.45 | 3.0 | 116 |
| W843778 | | 116.0 | 0.003 | 0.32 | 1.48 | 14.0 | 1 | 2.7 | 72.1 | 2.74 | <0.05 | 13.60 | 0.672 | 0.55 | 2.9 | 118 |
| W843779 | | 118.0 | 0.003 | 0.20 | 0.93 | 14.6 | 1 | 2.7 | 64.1 | 2.44 | <0.05 | 13.65 | 0.681 | 0.57 | 3.0 | 118 |
| W843780 | | 118.5 | 0.003 | 0.49 | 1.56 | 14.0 | 1 | 2.7 | 58.6 | 2.54 | <0.05 | 13.15 | 0.679 | 0.58 | 2.7 | 122 |
| W843781 | | 112.0 | 0.005 | 0.65 | 1.54 | 14.5 | 1 | 3.1 | 57.7 | 2.68 | <0.05 | 13.65 | 0.748 | 0.57 | 2.8 | 129 |
| W843782 | | 119.5 | 0.006 | 1.07 | 1.47 | 15.5 | 1 | 3.8 | 61.6 | 2.63 | 0.05 | 14.25 | 0.756 | 0.66 | 3.7 | 147 |
| W843783 | | 107.5 | 0.008 | 1.00 | 1.54 | 13.3 | 2 | 3.3 | 84.0 | 2.31 | 0.05 | 11.95 | 0.615 | 0.57 | 5.7 | 142 |
| W843784 | | 112.0 | 0.009 | 0.74 | 1.51 | 15.8 | 1 | 3.9 | 76.2 | 2.89 | <0.05 | 14.55 | 0.778 | 0.54 | 5.4 | 135 |
| W843785 | | 92.1 | 0.002 | 1.36 | 1.54 | 14.0 | 1 | 3.9 | 269 | 3.03 | <0.05 | 13.50 | 0.711 | 0.71 | 3.0 | 130 |
| W843786 | | 104.5 | 0.005 | 1.33 | 1.44 | 14.2 | 1 | 3.8 | 80.4 | 2.71 | <0.05 | 13.05 | 0.689 | 0.59 | 3.8 | 146 |
| W843787 | | 104.5 | 0.004 | 1.92 | 1.64 | 12.8 | 1 | 3.5 | 70.5 | 1.66 | 0.06 | 10.70 | 0.544 | 0.54 | 3.5 | 146 |
| W843788 | | 108.5 | 0.004 | 3.21 | 2.52 | 14.9 | 2 | 4.2 | 64.8 | 1.28 | 0.11 | 10.80 | 0.483 | 0.61 | 5.8 | 148 |
| W843789 | | 124.0 | 0.005 | 0.92 | 1.02 | 14.3 | 1 | 4.6 | 66.3 | 1.94 | <0.05 | 12.15 | 0.579 | 0.66 | 4.2 | 111 |
| W843790 | | 118.5 | 0.005 | 1.06 | 1.12 | 14.5 | 1 | 5.1 | 74.1 | 2.67 | <0.05 | 12.90 | 0.636 | 0.63 | 4.2 | 108 |
| W843791 | | 123.0 | 0.005 | 1.17 | 1.50 | 15.2 | 1 | 6.0 | 75.3 | 1.87 | 0.05 | 12.35 | 0.572 | 0.62 | 4.9 | 144 |
| W843792 | | 119.0 | 0.005 | 1.02 | 1.15 | 14.5 | 1 | 5.9 | 73.8 | 3.27 | <0.05 | 14.15 | 0.649 | 0.62 | 4.0 | 112 |
| W843793 | | 113.0 | 0.005 | 0.90 | 1.35 | 13.4 | 1 | 5.8 | 73.1 | 3.31 | <0.05 | 13.75 | 0.625 | 0.55 | 3.7 | 98 |
| W843794 | | 110.0 | 0.004 | 0.61 | 1.67 | 13.6 | 1 | 4.3 | 87.4 | 2.68 | <0.05 | 13.45 | 0.617 | 0.57 | 5.0 | 115 |
| W843795 | | 135.0 | 0.003 | 0.53 | 1.27 | 15.3 | 1 | 5.5 | 95.0 | 2.42 | <0.05 | 13.30 | 0.628 | 0.67 | 4.1 | 133 |
| W843796 | | 116.0 | 0.007 | 0.44 | 1.24 | 14.0 | 1 | 4.9 | 96.0 | 2.28 | <0.05 | 11.50 | 0.565 | 0.57 | 6.4 | 110 |
| W843797 | | 117.5 | 0.004 | 1.50 | 1.74 | 13.8 | 1 | 7.5 | 92.6 | 2.01 | 0.06 | 12.20 | 0.626 | 0.53 | 4.1 | 134 |
| W843798 | | 58.7 | 0.004 | 1.18 | 0.65 | 8.8 | 1 | 5.0 | 127.0 | 1.26 | <0.05 | 7.95 | 0.375 | 0.28 | 2.2 | 66 |
| W843799 | | 111.0 | 0.006 | 0.50 | 0.90 | 12.2 | 1 | 9.5 | 92.8 | 2.24 | <0.05 | 13.20 | 0.600 | 0.51 | 4.0 | 116 |
| W843800 | | 138.5 | 0.005 | 0.39 | 0.91 | 16.8 | 1 | 9.7 | 84.2 | 2.41 | <0.05 | 13.55 | 0.764 | 0.64 | 5.7 | 148 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172168

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W843761 | | 1.3 | 12.7 | 37 | 87.0 | 0.007 |
| W843762 | | 1.6 | 16.6 | 39 | 147.5 | 0.005 |
| W843763 | | 1.4 | 15.4 | 41 | 138.0 | 0.008 |
| W843764 | | 1.6 | 18.5 | 45 | 197.5 | <0.005 |
| W843765 | | 1.5 | 16.5 | 42 | 154.5 | <0.005 |
| W843766 | | 1.4 | 15.0 | 40 | 113.5 | <0.005 |
| W843767 | | 1.5 | 18.0 | 52 | 145.0 | <0.005 |
| W843768 | | 1.4 | 14.5 | 41 | 123.5 | <0.005 |
| W843769 | | 1.5 | 15.2 | 44 | 130.5 | <0.005 |
| W843770 | | 1.7 | 15.8 | 46 | 111.5 | <0.005 |
| W843771 | | 1.6 | 15.0 | 49 | 119.5 | <0.005 |
| W843772 | | 1.4 | 14.3 | 49 | 133.5 | <0.005 |
| W843773 | | 1.3 | 13.5 | 49 | 121.5 | <0.005 |
| W843774 | | 1.5 | 12.8 | 42 | 89.4 | <0.005 |
| W843775 | | 2.1 | 16.4 | 44 | 123.0 | <0.005 |
| W843776 | | 1.6 | 16.1 | 45 | 114.5 | <0.005 |
| W843777 | | 1.7 | 14.5 | 44 | 111.0 | <0.005 |
| W843778 | | 1.7 | 19.5 | 47 | 129.5 | <0.005 |
| W843779 | | 1.6 | 16.8 | 49 | 140.5 | <0.005 |
| W843780 | | 1.6 | 15.2 | 39 | 118.0 | 0.006 |
| W843781 | | 1.8 | 16.0 | 71 | 121.5 | <0.005 |
| W843782 | | 1.8 | 18.2 | 38 | 171.0 | <0.005 |
| W843783 | | 1.6 | 19.4 | 50 | 144.0 | 0.005 |
| W843784 | | 2.4 | 21.6 | 56 | 175.5 | <0.005 |
| W843785 | | 2.2 | 17.8 | 40 | 123.5 | 0.007 |
| W843786 | | 1.9 | 17.7 | 34 | 141.5 | 0.005 |
| W843787 | | 1.7 | 14.1 | 27 | 119.0 | 0.006 |
| W843788 | | 1.8 | 12.1 | 31 | 139.5 | 0.010 |
| W843789 | | 1.9 | 14.0 | 29 | 121.0 | <0.005 |
| W843790 | | 2.2 | 17.3 | 40 | 165.5 | <0.005 |
| W843791 | | 2.3 | 15.2 | 19 | 156.5 | 0.006 |
| W843792 | | 2.3 | 18.3 | 42 | 175.0 | <0.005 |
| W843793 | | 2.1 | 18.3 | 43 | 105.0 | 0.006 |
| W843794 | | 1.8 | 19.1 | 52 | 156.0 | <0.005 |
| W843795 | | 2.0 | 17.2 | 26 | 136.0 | <0.005 |
| W843796 | | 1.8 | 17.0 | 65 | 131.5 | <0.005 |
| W843797 | | 2.4 | 16.7 | 19 | 125.0 | 0.006 |
| W843798 | | 2.2 | 13.7 | 23 | 67.6 | 0.014 |
| W843799 | | 3.5 | 15.2 | 22 | 116.0 | <0.005 |
| W843800 | | 3.9 | 18.3 | 30 | 163.0 | <0.005 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172168

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843801 | | 4.25 | 0.09 | 8.06 | 26.5 | 2130 | 2.53 | 1.26 | 3.48 | 0.06 | 143.0 | 17.7 | 62 | 5.45 | 36.8 | 4.85 |
| W843802 | | 4.40 | 0.17 | 6.47 | 1045 | 230 | 1.83 | 0.76 | 5.43 | 0.07 | 115.0 | 73.3 | 46 | 3.75 | 90.8 | 7.29 |
| W843803 | | 4.30 | 0.13 | 5.77 | 316 | 300 | 1.61 | 0.62 | 4.20 | 0.06 | 120.5 | 29.7 | 44 | 3.31 | 60.2 | 5.82 |
| W843804 | | 4.09 | 0.07 | 4.49 | 18.3 | 1320 | 1.32 | 0.48 | 3.32 | 0.07 | 88.5 | 5.5 | 40 | 2.84 | 13.2 | 2.52 |
| W843805 | | 3.75 | 0.03 | 5.52 | 45.0 | 1590 | 1.60 | 0.17 | 2.83 | 0.07 | 115.0 | 8.6 | 46 | 3.39 | 9.2 | 2.87 |
| W843806 | | 4.22 | 0.05 | 6.01 | 199.5 | 1760 | 1.82 | 0.14 | 4.52 | 0.07 | 154.5 | 15.7 | 51 | 3.93 | 23.7 | 3.61 |
| W843807 | | 3.33 | 0.04 | 6.16 | 90.9 | 1850 | 1.72 | 0.25 | 4.16 | 0.07 | 112.5 | 12.4 | 53 | 3.88 | 15.0 | 3.49 |
| W843808 | | 3.34 | 0.04 | 6.20 | 25.0 | 1900 | 1.71 | 0.47 | 3.60 | 0.04 | 112.0 | 10.3 | 62 | 3.96 | 24.5 | 3.13 |
| W843809 | | 3.27 | 0.09 | 5.92 | 19.9 | 730 | 1.67 | 1.14 | 3.78 | 0.07 | 93.4 | 19.6 | 83 | 4.18 | 58.1 | 4.57 |
| W843810 | | 4.49 | 0.08 | 6.02 | 15.4 | 1220 | 1.65 | 0.79 | 3.99 | 0.10 | 107.5 | 17.8 | 72 | 4.06 | 40.4 | 4.28 |
| W843811 | | 3.54 | 0.10 | 6.01 | 26.3 | 930 | 1.70 | 1.02 | 3.79 | 0.12 | 107.5 | 23.9 | 80 | 4.05 | 62.5 | 5.23 |
| W843812 | | 3.63 | 0.10 | 5.62 | 12.0 | 410 | 1.50 | 1.14 | 4.07 | 0.10 | 101.5 | 24.7 | 82 | 3.84 | 55.8 | 5.29 |
| W843813 | | 3.52 | 0.10 | 5.83 | 26.1 | 370 | 1.56 | 0.95 | 3.81 | 0.11 | 93.2 | 25.0 | 82 | 3.92 | 57.0 | 5.28 |
| W843814 | | 3.99 | 0.06 | 5.24 | 9.1 | 810 | 1.26 | 0.49 | 5.24 | 0.12 | 76.7 | 15.1 | 82 | 3.30 | 38.0 | 4.52 |
| W843815 | | 2.50 | 0.04 | 6.71 | 126.5 | 1840 | 1.89 | 1.85 | 0.74 | 0.19 | 105.0 | 16.7 | 124 | 4.72 | 49.4 | 4.88 |
| W843816 | | 2.08 | 0.05 | 6.94 | 286 | 1910 | 2.03 | 0.99 | 0.62 | 0.14 | 104.5 | 18.5 | 103 | 4.77 | 94.2 | 5.14 |
| W843817 | | 2.24 | 0.05 | 6.32 | 215 | 1720 | 2.05 | 0.96 | 2.27 | 0.08 | 96.6 | 22.7 | 77 | 4.03 | 80.7 | 4.59 |
| W843818 | | 2.62 | 0.02 | 6.84 | 93.7 | 1780 | 2.17 | 1.10 | 2.00 | 0.03 | 117.0 | 11.1 | 59 | 7.11 | 32.9 | 3.72 |
| W843819 | | 2.61 | 0.02 | 6.98 | 91.1 | 1860 | 2.18 | 1.50 | 2.36 | 0.05 | 109.5 | 14.3 | 57 | 5.37 | 40.8 | 4.10 |
| W843820 | | 2.23 | 0.04 | 5.25 | 242 | 1440 | 1.74 | 1.24 | 4.34 | 0.11 | 82.7 | 23.7 | 102 | 3.51 | 70.4 | 6.02 |
| W843821 | | 2.53 | 0.04 | 4.11 | 145.0 | 1130 | 1.21 | 1.03 | 4.34 | 0.09 | 63.3 | 18.6 | 85 | 2.62 | 61.5 | 4.68 |
| W843822 | | 2.27 | 0.60 | 4.47 | 402 | 1230 | 1.51 | 3.72 | 1.59 | 0.54 | 64.5 | 31.6 | 77 | 2.84 | 47.3 | 7.26 |
| W843823 | | 2.69 | 0.08 | 5.05 | 120.0 | 550 | 1.38 | 3.19 | 3.72 | 0.11 | 68.9 | 16.4 | 86 | 2.94 | 71.5 | 4.80 |
| W843824 | | 1.93 | 0.08 | 5.83 | 260 | 720 | 1.78 | 3.21 | 1.37 | 0.06 | 79.7 | 18.4 | 92 | 3.78 | 26.7 | 4.47 |
| W843825 | | 2.35 | 0.10 | 5.98 | 4630 | 70 | 1.78 | 3.98 | 2.53 | 0.06 | 87.8 | 47.8 | 56 | 3.28 | 13.9 | 12.25 |
| W843826 | | 2.40 | 0.07 | 5.25 | 600 | 840 | 1.61 | 1.61 | 3.75 | 0.09 | 79.9 | 26.8 | 70 | 3.27 | 91.7 | 6.11 |
| W843827 | | 2.19 | 0.05 | 5.87 | 229 | 1610 | 1.77 | 1.35 | 3.83 | 0.09 | 92.8 | 21.0 | 65 | 3.74 | 60.0 | 4.56 |
| W843828 | | 2.26 | 0.02 | 7.08 | 130.5 | 1990 | 2.15 | 0.64 | 2.44 | 0.06 | 116.5 | 15.9 | 61 | 7.97 | 26.1 | 4.23 |
| W843829 | | 2.15 | 0.05 | 6.67 | 131.5 | 1840 | 1.96 | 0.47 | 2.06 | 0.06 | 110.5 | 16.8 | 54 | 4.77 | 21.3 | 5.64 |
| W843830 | | 2.52 | 0.03 | 5.09 | 150.0 | 1010 | 1.48 | 1.21 | 3.30 | 0.07 | 77.1 | 30.7 | 62 | 3.58 | 80.4 | 5.59 |
| W843831 | | 2.40 | 0.01 | 6.25 | 120.5 | 1590 | 1.67 | 0.55 | 1.44 | 0.04 | 95.2 | 20.3 | 55 | 4.16 | 33.0 | 6.78 |
| W843832 | | 4.44 | 0.01 | 6.21 | 304 | 1500 | 1.69 | 0.65 | 1.58 | 0.04 | 89.4 | 22.6 | 54 | 4.38 | 30.8 | 6.74 |
| W843833 | | 3.19 | 0.02 | 5.75 | 152.0 | 1260 | 1.48 | 0.66 | 1.16 | 0.03 | 77.7 | 19.7 | 48 | 3.72 | 54.1 | 7.47 |
| W843834 | | 3.44 | 0.03 | 4.98 | 142.5 | 1200 | 1.45 | 0.35 | 4.61 | 0.07 | 73.6 | 10.8 | 47 | 3.70 | 21.3 | 4.16 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172168

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843801 | | 23.8 | 0.19 | 4.2 | 0.087 | 3.68 | 75.4 | 17.4 | 1.81 | 1320 | 4.27 | 0.17 | 47.3 | 46.6 | 2160 | 3.5 |
| W843802 | | 19.70 | 0.17 | 2.8 | 0.082 | 2.64 | 59.8 | 10.9 | 2.74 | 1660 | 3.02 | 0.17 | 35.8 | 53.8 | 2310 | 3.6 |
| W843803 | | 17.85 | 0.15 | 2.4 | 0.065 | 2.50 | 62.2 | 9.4 | 2.01 | 1130 | 1.49 | 0.13 | 33.8 | 45.1 | 1820 | 2.8 |
| W843804 | | 13.60 | 0.12 | 2.1 | 0.054 | 2.00 | 47.9 | 8.3 | 1.55 | 878 | 1.18 | 0.10 | 34.5 | 18.0 | 1380 | 3.3 |
| W843805 | | 17.45 | 0.15 | 2.5 | 0.065 | 2.43 | 61.3 | 9.9 | 1.39 | 1120 | 1.34 | 0.12 | 38.8 | 20.8 | 1710 | 2.4 |
| W843806 | | 18.85 | 0.18 | 3.0 | 0.088 | 2.62 | 83.5 | 11.7 | 2.18 | 1340 | 0.99 | 0.14 | 46.6 | 27.7 | 1790 | 2.9 |
| W843807 | | 18.30 | 0.15 | 2.6 | 0.065 | 2.75 | 58.4 | 12.7 | 1.98 | 1080 | 1.73 | 0.12 | 42.1 | 33.0 | 1910 | 2.9 |
| W843808 | | 17.30 | 0.15 | 3.4 | 0.058 | 2.87 | 57.9 | 12.6 | 1.73 | 656 | 1.17 | 0.12 | 45.2 | 26.5 | 1980 | 2.0 |
| W843809 | | 16.10 | 0.14 | 3.0 | 0.060 | 2.74 | 48.3 | 12.5 | 1.76 | 628 | 8.43 | 0.12 | 31.7 | 47.4 | 2000 | 3.1 |
| W843810 | | 16.90 | 0.15 | 3.1 | 0.056 | 2.78 | 55.4 | 12.3 | 1.78 | 612 | 5.82 | 0.12 | 40.2 | 45.0 | 2200 | 5.6 |
| W843811 | | 16.80 | 0.15 | 3.1 | 0.057 | 2.70 | 56.7 | 12.9 | 1.70 | 605 | 6.60 | 0.13 | 35.9 | 52.9 | 2430 | 3.6 |
| W843812 | | 15.40 | 0.15 | 3.1 | 0.052 | 2.57 | 52.5 | 11.7 | 1.77 | 534 | 8.50 | 0.12 | 29.7 | 51.1 | 2150 | 3.8 |
| W843813 | | 15.70 | 0.12 | 2.8 | 0.058 | 2.64 | 46.9 | 12.6 | 1.77 | 577 | 6.95 | 0.12 | 31.4 | 53.9 | 1930 | 3.4 |
| W843814 | | 12.45 | 0.11 | 2.6 | 0.049 | 2.34 | 39.5 | 8.9 | 1.99 | 717 | 6.21 | 0.11 | 25.7 | 46.3 | 1860 | 3.4 |
| W843815 | | 18.45 | 0.15 | 3.2 | 0.053 | 3.35 | 54.8 | 8.4 | 0.50 | 1070 | 6.43 | 0.06 | 23.5 | 47.4 | 2590 | 4.5 |
| W843816 | | 18.65 | 0.15 | 3.1 | 0.062 | 3.48 | 53.1 | 9.2 | 0.45 | 863 | 5.80 | 0.06 | 25.6 | 48.6 | 2350 | 2.7 |
| W843817 | | 16.65 | 0.13 | 2.7 | 0.055 | 3.15 | 52.1 | 8.9 | 1.00 | 945 | 4.88 | 0.06 | 25.8 | 42.6 | 2350 | 3.1 |
| W843818 | | 19.10 | 0.16 | 2.9 | 0.062 | 3.33 | 61.7 | 10.8 | 1.26 | 714 | 1.56 | 0.07 | 37.6 | 34.8 | 1820 | 2.7 |
| W843819 | | 18.65 | 0.16 | 3.4 | 0.067 | 3.38 | 58.3 | 8.6 | 1.30 | 743 | 1.95 | 0.07 | 38.4 | 34.4 | 1790 | 2.6 |
| W843820 | | 12.90 | 0.15 | 2.9 | 0.048 | 2.58 | 44.4 | 6.8 | 1.16 | 1600 | 6.75 | 0.05 | 24.0 | 57.3 | 2330 | 2.9 |
| W843821 | | 10.10 | 0.11 | 2.3 | 0.032 | 2.00 | 33.7 | 4.5 | 1.55 | 1280 | 6.12 | 0.04 | 21.2 | 48.0 | 2400 | 2.4 |
| W843822 | | 11.20 | 0.12 | 2.5 | 0.034 | 2.15 | 34.3 | 4.6 | 0.73 | 2340 | 6.83 | 0.04 | 16.1 | 81.4 | 2210 | 41.6 |
| W843823 | | 13.05 | 0.11 | 2.5 | 0.045 | 2.45 | 35.9 | 5.0 | 1.70 | 1240 | 6.04 | 0.04 | 24.9 | 51.0 | 2130 | 2.7 |
| W843824 | | 16.05 | 0.13 | 2.8 | 0.043 | 2.80 | 41.5 | 7.4 | 0.78 | 1300 | 5.85 | 0.05 | 22.7 | 51.4 | 1990 | 4.0 |
| W843825 | | 17.25 | 0.17 | 2.3 | 0.051 | 2.92 | 44.1 | 7.0 | 1.22 | 2300 | 2.40 | 0.06 | 28.5 | 67.1 | 1800 | 4.5 |
| W843826 | | 13.85 | 0.13 | 2.5 | 0.043 | 2.51 | 42.1 | 6.6 | 1.68 | 1680 | 4.19 | 0.06 | 24.9 | 59.8 | 1790 | 3.1 |
| W843827 | | 15.80 | 0.13 | 2.9 | 0.049 | 2.90 | 49.4 | 7.3 | 1.74 | 997 | 3.91 | 0.06 | 31.9 | 49.1 | 1970 | 4.7 |
| W843828 | | 19.80 | 0.16 | 3.0 | 0.062 | 3.44 | 61.8 | 10.1 | 1.84 | 793 | 2.14 | 0.07 | 41.3 | 46.7 | 1820 | 2.5 |
| W843829 | | 18.15 | 0.15 | 2.3 | 0.059 | 3.09 | 59.1 | 7.8 | 2.07 | 1020 | 1.31 | 0.09 | 42.4 | 40.0 | 1600 | 1.8 |
| W843830 | | 13.25 | 0.13 | 2.5 | 0.046 | 2.39 | 41.6 | 5.7 | 1.93 | 933 | 5.27 | 0.07 | 28.7 | 61.0 | 1580 | 2.7 |
| W843831 | | 17.50 | 0.14 | 2.1 | 0.063 | 2.87 | 50.0 | 6.4 | 2.17 | 624 | 1.90 | 0.11 | 38.4 | 41.2 | 1600 | 2.5 |
| W843832 | | 17.00 | 0.13 | 2.3 | 0.058 | 2.91 | 47.7 | 5.8 | 1.90 | 890 | 1.98 | 0.10 | 36.2 | 48.1 | 1560 | 2.1 |
| W843833 | | 16.05 | 0.13 | 1.7 | 0.059 | 2.58 | 40.4 | 5.5 | 2.14 | 600 | 0.93 | 0.11 | 31.5 | 49.4 | 1410 | 1.7 |
| W843834 | | 13.10 | 0.12 | 2.2 | 0.043 | 2.37 | 39.4 | 4.7 | 2.06 | 868 | 1.51 | 0.07 | 29.0 | 34.7 | 1410 | 1.5 |

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

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Project: Rau


**Finalized Date: 7-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20172168

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843801 | | 151.5 | 0.009 | 1.16 | 1.41 | 17.3 | 1 | 10.7 | 100.0 | 2.52 | 0.05 | 15.55 | 0.758 | 0.70 | 6.5 | 170 |
| W843802 | | 110.5 | 0.011 | 3.04 | 1.19 | 14.5 | 2 | 10.1 | 132.0 | 1.89 | 0.10 | 11.50 | 0.556 | 0.53 | 4.4 | 127 |
| W843803 | | 104.0 | 0.007 | 2.36 | 0.96 | 11.4 | 2 | 9.3 | 118.0 | 1.75 | 0.05 | 11.65 | 0.537 | 0.50 | 3.9 | 110 |
| W843804 | | 79.9 | 0.002 | 0.47 | 1.44 | 9.9 | 1 | 7.5 | 92.7 | 1.78 | <0.05 | 9.52 | 0.529 | 0.39 | 2.7 | 91 |
| W843805 | | 98.9 | 0.004 | 0.30 | 0.77 | 10.8 | 1 | 9.1 | 80.6 | 1.99 | <0.05 | 11.50 | 0.605 | 0.48 | 4.2 | 111 |
| W843806 | | 113.0 | 0.005 | 0.76 | 0.73 | 13.1 | 1 | 9.5 | 119.0 | 2.41 | <0.05 | 16.65 | 0.616 | 0.54 | 3.6 | 112 |
| W843807 | | 114.0 | 0.005 | 0.50 | 1.15 | 12.3 | 1 | 7.9 | 116.5 | 2.16 | <0.05 | 12.85 | 0.600 | 0.54 | 4.0 | 109 |
| W843808 | | 114.5 | 0.003 | 0.64 | 0.92 | 12.3 | 1 | 6.5 | 111.0 | 2.35 | <0.05 | 12.65 | 0.656 | 0.56 | 4.5 | 112 |
| W843809 | | 111.0 | 0.008 | 1.75 | 1.60 | 13.1 | 2 | 5.5 | 109.5 | 1.76 | 0.06 | 10.15 | 0.574 | 0.55 | 5.5 | 135 |
| W843810 | | 113.0 | 0.006 | 1.42 | 1.40 | 13.1 | 2 | 5.0 | 124.0 | 2.10 | 0.05 | 11.40 | 0.612 | 0.56 | 4.4 | 126 |
| W843811 | | 112.0 | 0.007 | 1.78 | 1.87 | 13.0 | 2 | 4.6 | 118.0 | 1.90 | 0.06 | 11.30 | 0.575 | 0.56 | 4.6 | 131 |
| W843812 | | 107.5 | 0.008 | 1.98 | 1.55 | 12.4 | 2 | 4.1 | 118.5 | 1.66 | 0.06 | 10.55 | 0.506 | 0.55 | 5.5 | 129 |
| W843813 | | 110.5 | 0.007 | 1.94 | 1.55 | 12.6 | 2 | 4.3 | 109.0 | 1.70 | 0.06 | 9.82 | 0.520 | 0.56 | 5.1 | 130 |
| W843814 | | 93.9 | 0.007 | 1.51 | 1.07 | 11.2 | 2 | 3.8 | 119.5 | 1.44 | 0.05 | 8.38 | 0.459 | 0.49 | 5.3 | 144 |
| W843815 | | 141.5 | <0.002 | 0.04 | 0.73 | 15.2 | 1 | 10.2 | 37.4 | 1.28 | 0.06 | 11.80 | 0.479 | 0.65 | 4.4 | 169 |
| W843816 | | 146.5 | <0.002 | 0.03 | 0.72 | 15.4 | 1 | 8.9 | 36.8 | 1.36 | <0.05 | 12.15 | 0.456 | 0.66 | 4.1 | 157 |
| W843817 | | 127.0 | <0.002 | 0.04 | 0.74 | 13.6 | 1 | 8.2 | 64.0 | 1.40 | <0.05 | 10.70 | 0.461 | 0.60 | 3.4 | 139 |
| W843818 | | 146.0 | 0.002 | 0.15 | 0.85 | 14.2 | 1 | 9.2 | 59.3 | 1.88 | <0.05 | 13.20 | 0.608 | 0.80 | 2.9 | 131 |
| W843819 | | 140.0 | 0.003 | 0.35 | 0.90 | 14.7 | 1 | 9.2 | 68.7 | 1.94 | <0.05 | 12.20 | 0.637 | 0.72 | 3.3 | 132 |
| W843820 | | 106.0 | 0.002 | 0.37 | 1.99 | 12.2 | 2 | 7.5 | 79.6 | 1.32 | <0.05 | 8.69 | 0.445 | 0.59 | 4.3 | 154 |
| W843821 | | 82.8 | 0.010 | 0.69 | 1.50 | 9.6 | 2 | 6.9 | 98.5 | 1.21 | <0.05 | 6.50 | 0.411 | 0.45 | 5.8 | 177 |
| W843822 | | 85.8 | 0.009 | 0.94 | 5.26 | 10.8 | 4 | 6.6 | 42.1 | 0.89 | 0.07 | 6.76 | 0.299 | 0.47 | 11.3 | 162 |
| W843823 | | 95.7 | 0.009 | 2.09 | 3.26 | 11.8 | 3 | 8.8 | 72.4 | 1.41 | 0.06 | 7.39 | 0.447 | 0.58 | 5.7 | 158 |
| W843824 | | 113.5 | 0.005 | 1.94 | 6.90 | 13.6 | 2 | 14.6 | 37.4 | 1.28 | 0.06 | 9.09 | 0.448 | 0.71 | 4.5 | 155 |
| W843825 | | 103.5 | 0.004 | 6.98 | 6.23 | 11.4 | 6 | 15.9 | 67.3 | 1.55 | 0.68 | 9.52 | 0.432 | 0.60 | 4.0 | 119 |
| W843826 | | 102.0 | 0.006 | 2.18 | 1.10 | 11.6 | 2 | 10.1 | 102.5 | 1.36 | 0.08 | 8.60 | 0.456 | 0.49 | 3.9 | 127 |
| W843827 | | 118.5 | 0.014 | 1.27 | 0.76 | 11.7 | 2 | 8.9 | 116.0 | 1.67 | 0.05 | 10.25 | 0.521 | 0.52 | 4.0 | 136 |
| W843828 | | 153.0 | 0.008 | 0.59 | 0.65 | 14.7 | 1 | 8.2 | 87.9 | 2.15 | <0.05 | 13.25 | 0.653 | 0.83 | 3.4 | 135 |
| W843829 | | 132.5 | 0.006 | 0.60 | 0.68 | 13.0 | 1 | 6.6 | 76.6 | 2.18 | <0.05 | 12.15 | 0.620 | 0.63 | 3.1 | 115 |
| W843830 | | 102.0 | 0.014 | 1.86 | 0.88 | 11.2 | 2 | 4.9 | 96.6 | 1.52 | 0.06 | 8.54 | 0.483 | 0.55 | 4.1 | 134 |
| W843831 | | 124.5 | 0.006 | 0.75 | 0.69 | 15.6 | 1 | 6.0 | 61.6 | 1.98 | <0.05 | 10.85 | 0.659 | 0.63 | 2.9 | 142 |
| W843832 | | 123.0 | 0.006 | 1.16 | 0.98 | 15.3 | 1 | 6.1 | 61.5 | 1.86 | <0.05 | 10.20 | 0.669 | 0.60 | 2.9 | 144 |
| W843833 | | 111.0 | 0.002 | 1.04 | 0.73 | 14.5 | 1 | 4.7 | 53.7 | 1.64 | <0.05 | 8.12 | 0.651 | 0.56 | 1.9 | 137 |
| W843834 | | 97.7 | 0.005 | 0.49 | 0.60 | 10.7 | 1 | 3.3 | 144.5 | 1.55 | <0.05 | 8.16 | 0.520 | 0.45 | 2.8 | 103 |

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

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**Finalized Date: 7-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172168

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W843801 | | 4.1 | 19.2 | 28 | 176.0 | 0.006 |
| W843802 | | 3.6 | 20.8 | 28 | 117.0 | 0.044 |
| W843803 | | 3.5 | 16.5 | 20 | 103.5 | 0.011 |
| W843804 | | 3.6 | 13.5 | 18 | 88.3 | 0.005 |
| W843805 | | 3.4 | 15.6 | 23 | 109.5 | <0.005 |
| W843806 | | 3.9 | 22.9 | 24 | 126.5 | <0.005 |
| W843807 | | 3.1 | 16.9 | 25 | 116.0 | <0.005 |
| W843808 | | 2.7 | 17.8 | 18 | 144.5 | 0.005 |
| W843809 | | 2.5 | 14.3 | 21 | 122.5 | 0.006 |
| W843810 | | 2.2 | 16.5 | 25 | 129.5 | <0.005 |
| W843811 | | 2.0 | 16.7 | 28 | 131.5 | <0.005 |
| W843812 | | 1.8 | 15.3 | 23 | 122.5 | <0.005 |
| W843813 | | 1.8 | 14.9 | 27 | 120.0 | <0.005 |
| W843814 | | 1.6 | 13.1 | 24 | 108.5 | <0.005 |
| W843815 | | 3.1 | 16.5 | 26 | 128.5 | 0.162 |
| W843816 | | 2.3 | 15.8 | 33 | 131.0 | 0.007 |
| W843817 | | 2.3 | 13.8 | 24 | 107.5 | 0.005 |
| W843818 | | 2.7 | 13.7 | 26 | 120.0 | 0.005 |
| W843819 | | 2.5 | 15.0 | 26 | 142.0 | 0.008 |
| W843820 | | 2.3 | 12.9 | 39 | 114.5 | 0.008 |
| W843821 | | 2.1 | 11.4 | 40 | 94.8 | 0.006 |
| W843822 | | 2.0 | 15.1 | 203 | 115.0 | 0.067 |
| W843823 | | 3.0 | 11.5 | 38 | 102.0 | 0.053 |
| W843824 | | 4.0 | 12.1 | 39 | 116.0 | 0.124 |
| W843825 | | 3.5 | 14.8 | 104 | 102.0 | 0.326 |
| W843826 | | 3.2 | 12.9 | 54 | 101.0 | 0.056 |
| W843827 | | 3.4 | 13.4 | 33 | 125.5 | 0.019 |
| W843828 | | 3.3 | 15.9 | 45 | 126.5 | 0.028 |
| W843829 | | 2.1 | 13.0 | 57 | 97.2 | 0.025 |
| W843830 | | 1.6 | 10.1 | 41 | 96.9 | 0.015 |
| W843831 | | 1.6 | 11.0 | 58 | 85.9 | 0.017 |
| W843832 | | 1.9 | 11.3 | 63 | 92.6 | 0.033 |
| W843833 | | 1.3 | 9.8 | 55 | 65.0 | 0.045 |
| W843834 | | 1.1 | 10.8 | 31 | 89.9 | 0.007 |

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

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Project: Rau


**Finalized Date: 7-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20172168

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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


**Finalized Date: 6-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20172180

Project: Rau

P.O. No.: R20-B05

This report is for 35 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 11-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 6-SEP-2020**
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# CERTIFICATE OF ANALYSIS WH20172180

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843835 | | 3.49 | 0.01 | 4.66 | 65.6 | 1050 | 1.24 | 0.41 | 3.37 | 0.06 | 68.8 | 12.0 | 39 | 3.24 | 33.6 | 5.31 |
| W843836 | | 3.38 | 0.01 | 5.16 | 89.2 | 1150 | 1.40 | 0.21 | 4.24 | 0.05 | 82.6 | 12.4 | 42 | 3.81 | 10.9 | 5.54 |
| W843837 | | 3.77 | <0.01 | 6.00 | 71.5 | 1260 | 1.72 | 0.28 | 1.83 | 0.04 | 98.0 | 13.6 | 52 | 4.65 | 20.5 | 5.36 |
| W843838 | | 4.02 | 0.01 | 5.73 | 140.0 | 1110 | 1.50 | 0.35 | 2.21 | 0.06 | 83.3 | 19.4 | 50 | 4.47 | 23.4 | 5.74 |
| W843839 | | 3.13 | 0.04 | 5.72 | 157.5 | 1070 | 1.48 | 0.69 | 3.16 | 0.09 | 88.3 | 27.6 | 49 | 3.56 | 89.9 | 5.86 |
| W843840 | | 4.35 | 0.01 | 5.96 | 81.2 | 1130 | 1.57 | 0.48 | 4.65 | 0.03 | 100.0 | 23.5 | 64 | 4.09 | 69.3 | 5.52 |
| W843841 | | 4.48 | 0.04 | 6.89 | 90.3 | 1200 | 1.85 | 0.96 | 1.69 | 0.06 | 100.0 | 32.3 | 80 | 4.90 | 132.5 | 6.10 |
| W843842 | | 4.05 | 0.02 | 5.46 | 78.7 | 990 | 1.51 | 0.77 | 2.49 | 0.09 | 94.4 | 21.1 | 46 | 4.16 | 56.4 | 5.44 |
| W843843 | | 3.92 | 0.50 | 4.98 | 124.0 | 860 | 1.33 | 1.48 | 3.07 | 0.55 | 83.2 | 28.5 | 45 | 3.26 | 76.7 | 6.20 |
| W843844 | | 4.06 | 0.14 | 6.22 | 111.5 | 1080 | 1.71 | 0.82 | 2.50 | 0.06 | 107.0 | 27.4 | 52 | 4.89 | 43.7 | 5.78 |
| W843845 | | 4.07 | 0.01 | 6.00 | 56.9 | 1080 | 1.58 | 0.30 | 1.22 | 0.04 | 94.6 | 13.7 | 50 | 6.30 | 19.2 | 4.74 |
| W843846 | | 3.96 | 0.10 | 4.50 | 76.9 | 740 | 1.28 | 0.59 | 3.00 | 0.11 | 72.3 | 20.2 | 42 | 3.10 | 32.0 | 4.55 |
| W843847 | | 3.90 | 0.22 | 4.65 | 115.5 | 730 | 1.28 | 2.09 | 2.88 | 0.04 | 80.7 | 10.9 | 38 | 3.03 | 45.3 | 5.48 |
| W843848 | | 4.20 | 0.03 | 4.96 | 179.0 | 840 | 1.45 | 0.74 | 3.74 | 0.02 | 97.4 | 9.4 | 44 | 2.94 | 12.4 | 2.63 |
| W843849 | | 4.79 | 0.59 | 3.38 | 4040 | 120 | 1.15 | 35.6 | 2.20 | 0.07 | 107.0 | 79.2 | 29 | 1.62 | 64.5 | 9.02 |
| W843850 | | 4.45 | 0.15 | 5.43 | 1775 | 440 | 1.47 | 3.38 | 2.23 | <0.02 | 118.5 | 16.4 | 45 | 2.84 | 5.1 | 4.55 |
| W843851 | | 4.15 | 0.06 | 4.82 | 1225 | 710 | 1.48 | 3.30 | 3.46 | <0.02 | 111.5 | 16.3 | 40 | 2.57 | 6.0 | 3.57 |
| W843852 | | 4.26 | 0.09 | 6.25 | 1005 | 1030 | 1.64 | 10.55 | 3.71 | <0.02 | 121.0 | 19.1 | 49 | 3.66 | 9.1 | 3.44 |
| W843853 | | 4.33 | 0.09 | 5.55 | 612 | 920 | 1.55 | 3.94 | 3.60 | 0.02 | 95.5 | 16.1 | 43 | 3.22 | 10.9 | 3.22 |
| W843854 | | 4.34 | 0.10 | 5.86 | 672 | 970 | 1.65 | 5.07 | 2.79 | 0.09 | 99.4 | 13.8 | 52 | 3.74 | 9.0 | 2.51 |
| W843855 | | 3.81 | 0.25 | 5.66 | 307 | 940 | 1.70 | 9.43 | 3.52 | 0.35 | 98.4 | 14.2 | 50 | 3.71 | 46.7 | 3.83 |
| W843856 | | 4.55 | 0.10 | 4.40 | 163.5 | 760 | 1.17 | 5.52 | 7.24 | 0.10 | 71.0 | 21.4 | 35 | 2.76 | 28.1 | 5.14 |
| W843857 | | 3.91 | 0.04 | 6.26 | 151.5 | 1120 | 1.52 | 3.36 | 2.29 | 0.03 | 83.2 | 14.6 | 47 | 7.32 | 15.5 | 5.41 |
| W843858 | | 4.48 | 0.04 | 7.14 | 176.0 | 1290 | 1.85 | 4.30 | 0.91 | 0.04 | 98.4 | 19.3 | 54 | 7.12 | 23.6 | 6.26 |
| W843859 | | 4.15 | 0.02 | 6.47 | 101.0 | 1190 | 1.61 | 3.41 | 1.85 | 0.11 | 84.7 | 19.0 | 50 | 5.88 | 27.9 | 5.85 |
| W843860 | | 3.85 | 0.04 | 6.78 | 111.5 | 1380 | 1.81 | 2.43 | 1.34 | 0.12 | 92.5 | 18.7 | 51 | 7.50 | 45.8 | 5.67 |
| W843861 | | 4.46 | 0.04 | 6.26 | 87.4 | 990 | 1.64 | 1.45 | 1.13 | 0.07 | 84.5 | 17.8 | 48 | 3.39 | 28.8 | 6.62 |
| W843862 | | 4.40 | 0.02 | 6.70 | 61.3 | 1280 | 1.77 | 1.11 | 1.29 | 0.02 | 94.1 | 11.8 | 52 | 4.84 | 14.8 | 5.66 |
| W843863 | | 4.09 | 0.02 | 6.55 | 77.4 | 1350 | 1.81 | 7.90 | 1.20 | 0.03 | 91.3 | 14.5 | 50 | 3.99 | 24.4 | 6.26 |
| W843864 | | 4.35 | 0.03 | 6.78 | 70.3 | 1370 | 1.89 | 0.97 | 1.40 | 0.06 | 94.2 | 17.6 | 48 | 5.38 | 38.2 | 5.89 |
| W843865 | | 4.37 | 0.04 | 6.63 | 90.8 | 1660 | 2.05 | 1.73 | 2.60 | <0.02 | 89.4 | 23.3 | 52 | 5.58 | 49.4 | 4.34 |
| W843866 | | 3.62 | 0.04 | 6.85 | 51.5 | 1470 | 2.08 | 0.96 | 1.80 | 0.06 | 103.0 | 16.3 | 50 | 5.43 | 43.8 | 5.24 |
| W843867 | | 3.59 | 0.05 | 6.69 | 82.7 | 1490 | 1.95 | 1.51 | 1.05 | 0.04 | 87.6 | 39.5 | 52 | 6.37 | 81.4 | 5.22 |
| W843868 | | 3.74 | 0.05 | 6.19 | 119.0 | 1310 | 1.68 | 1.38 | 0.69 | 0.04 | 81.0 | 33.0 | 54 | 6.57 | 51.2 | 6.25 |
| W843869 | | 3.38 | 0.06 | 6.30 | 142.5 | 1350 | 1.76 | 1.96 | 0.85 | 0.06 | 82.8 | 32.4 | 53 | 6.94 | 59.7 | 6.41 |

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

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| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843835 | | 12.15 | 0.11 | 1.6 | 0.047 | 2.17 | 36.3 | 3.7 | 2.05 | 771 | 0.75 | 0.07 | 29.0 | 22.5 | 1350 | 1.2 |
| W843836 | | 14.40 | 0.12 | 1.7 | 0.053 | 2.44 | 44.7 | 3.6 | 2.33 | 903 | 0.49 | 0.08 | 31.5 | 23.3 | 1590 | 1.6 |
| W843837 | | 17.35 | 0.13 | 2.8 | 0.061 | 2.83 | 53.3 | 4.4 | 1.64 | 513 | 0.67 | 0.09 | 44.5 | 26.0 | 1300 | 1.5 |
| W843838 | | 15.05 | 0.13 | 2.2 | 0.062 | 2.55 | 43.6 | 5.7 | 1.77 | 592 | 0.87 | 0.07 | 35.6 | 32.9 | 1510 | 2.2 |
| W843839 | | 14.85 | 0.13 | 2.0 | 0.059 | 2.48 | 45.4 | 5.3 | 1.86 | 720 | 1.59 | 0.07 | 35.1 | 58.4 | 1910 | 3.7 |
| W843840 | | 16.35 | 0.13 | 1.9 | 0.055 | 2.76 | 50.7 | 4.3 | 2.10 | 1200 | 0.93 | 0.08 | 28.0 | 60.9 | 1450 | 2.2 |
| W843841 | | 19.20 | 0.15 | 2.5 | 0.063 | 3.02 | 50.3 | 6.4 | 1.44 | 812 | 1.74 | 0.08 | 34.4 | 85.3 | 1780 | 4.2 |
| W843842 | | 14.80 | 0.13 | 1.9 | 0.068 | 2.43 | 50.7 | 5.0 | 1.83 | 744 | 1.37 | 0.05 | 36.9 | 48.6 | 1730 | 4.5 |
| W843843 | | 13.50 | 0.13 | 2.1 | 0.129 | 2.36 | 43.9 | 3.0 | 1.79 | 1730 | 3.02 | 0.05 | 28.8 | 59.9 | 1850 | 12.7 |
| W843844 | | 17.55 | 0.14 | 2.2 | 0.072 | 2.73 | 56.4 | 5.0 | 1.93 | 847 | 2.53 | 0.06 | 44.1 | 59.0 | 1950 | 3.7 |
| W843845 | | 15.95 | 0.13 | 2.0 | 0.066 | 2.72 | 51.0 | 6.0 | 1.59 | 553 | 0.95 | 0.05 | 38.5 | 31.6 | 1820 | 1.5 |
| W843846 | | 11.55 | 0.11 | 1.7 | 0.052 | 2.13 | 38.5 | 3.7 | 1.78 | 871 | 1.41 | 0.04 | 25.4 | 37.0 | 1660 | 10.3 |
| W843847 | | 11.75 | 0.12 | 1.2 | 0.049 | 2.23 | 43.5 | 3.2 | 1.92 | 1290 | 0.80 | 0.04 | 27.2 | 35.3 | 1610 | 7.2 |
| W843848 | | 14.70 | 0.13 | 1.9 | 0.041 | 2.35 | 51.5 | 4.9 | 1.83 | 1080 | 0.81 | 0.05 | 35.6 | 24.9 | 1410 | 2.1 |
| W843849 | | 10.35 | 0.16 | 1.1 | 0.090 | 1.29 | 56.6 | 2.9 | 1.24 | 1340 | 0.83 | 0.08 | 18.6 | 103.5 | 1370 | 5.5 |
| W843850 | | 17.50 | 0.15 | 1.9 | 0.045 | 2.41 | 61.1 | 4.9 | 1.24 | 822 | 0.82 | 0.08 | 36.4 | 22.0 | 1600 | 2.5 |
| W843851 | | 15.70 | 0.14 | 2.0 | 0.065 | 2.14 | 59.9 | 5.3 | 1.75 | 1020 | 1.47 | 0.07 | 30.9 | 28.5 | 1850 | 1.7 |
| W843852 | | 20.1 | 0.16 | 2.4 | 0.049 | 2.97 | 65.0 | 6.5 | 1.92 | 1260 | 2.10 | 0.06 | 33.4 | 39.5 | 1730 | 4.7 |
| W843853 | | 17.45 | 0.15 | 2.1 | 0.040 | 2.68 | 52.9 | 6.3 | 1.79 | 1240 | 0.75 | 0.05 | 35.3 | 45.9 | 1380 | 4.7 |
| W843854 | | 18.15 | 0.15 | 2.7 | 0.046 | 2.80 | 52.4 | 6.5 | 1.52 | 887 | 0.93 | 0.06 | 28.5 | 36.6 | 1470 | 8.0 |
| W843855 | | 17.90 | 0.15 | 2.5 | 0.049 | 2.75 | 52.8 | 6.1 | 1.69 | 937 | 1.70 | 0.05 | 23.1 | 53.3 | 1450 | 9.3 |
| W843856 | | 12.50 | 0.12 | 1.4 | 0.041 | 2.12 | 38.2 | 3.9 | 2.03 | 2500 | 0.61 | 0.04 | 18.3 | 52.3 | 1020 | 7.7 |
| W843857 | | 17.95 | 0.13 | 1.9 | 0.071 | 2.86 | 44.5 | 12.1 | 2.01 | 1040 | 0.68 | 0.07 | 35.3 | 36.2 | 1570 | 2.6 |
| W843858 | | 20.3 | 0.15 | 2.6 | 0.114 | 2.95 | 52.6 | 13.8 | 1.77 | 724 | 0.95 | 0.08 | 46.2 | 40.7 | 1760 | 2.8 |
| W843859 | | 18.60 | 0.14 | 2.3 | 0.082 | 2.59 | 45.4 | 13.7 | 1.90 | 810 | 0.68 | 0.09 | 38.4 | 42.6 | 1540 | 2.9 |
| W843860 | | 19.45 | 0.14 | 2.7 | 0.079 | 2.83 | 48.3 | 11.0 | 1.65 | 706 | 0.86 | 0.11 | 41.2 | 38.7 | 1640 | 4.2 |
| W843861 | | 18.05 | 0.13 | 1.7 | 0.113 | 2.02 | 44.7 | 18.0 | 1.74 | 846 | 0.60 | 0.09 | 33.3 | 33.7 | 1410 | 4.2 |
| W843862 | | 19.85 | 0.13 | 2.0 | 0.115 | 2.46 | 51.1 | 19.5 | 1.69 | 639 | 0.57 | 0.11 | 41.7 | 36.2 | 1600 | 3.0 |
| W843863 | | 18.70 | 0.14 | 1.8 | 0.101 | 2.21 | 47.7 | 20.6 | 1.72 | 771 | 0.71 | 0.12 | 36.2 | 35.7 | 1550 | 3.9 |
| W843864 | | 20.0 | 0.14 | 2.2 | 0.097 | 2.47 | 50.7 | 21.1 | 1.77 | 660 | 0.63 | 0.11 | 40.0 | 37.3 | 1570 | 3.7 |
| W843865 | | 19.55 | 0.15 | 3.2 | 0.082 | 3.00 | 47.4 | 13.1 | 1.58 | 1070 | 1.22 | 0.12 | 34.5 | 46.0 | 1830 | 3.6 |
| W843866 | | 20.6 | 0.17 | 2.5 | 0.082 | 2.83 | 54.0 | 16.5 | 1.68 | 730 | 0.72 | 0.12 | 42.5 | 30.8 | 1650 | 3.6 |
| W843867 | | 19.60 | 0.14 | 3.1 | 0.081 | 2.67 | 46.8 | 18.1 | 1.54 | 426 | 1.32 | 0.13 | 39.2 | 38.8 | 1820 | 4.6 |
| W843868 | | 18.05 | 0.14 | 2.4 | 0.069 | 2.44 | 44.0 | 13.1 | 1.62 | 558 | 1.03 | 0.17 | 29.9 | 37.0 | 1520 | 4.0 |
| W843869 | | 18.00 | 0.14 | 2.2 | 0.075 | 2.47 | 44.7 | 13.6 | 1.66 | 626 | 1.13 | 0.16 | 31.4 | 42.2 | 1580 | 4.4 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843835 | | 89.5 | 0.002 | 0.63 | 0.49 | 10.1 | 1 | 3.0 | 107.5 | 1.53 | <0.05 | 7.21 | 0.508 | 0.44 | 2.2 | 85 |
| W843836 | | 100.5 | 0.002 | 0.26 | 0.58 | 11.0 | 1 | 3.2 | 130.5 | 1.71 | <0.05 | 8.84 | 0.544 | 0.47 | 2.0 | 93 |
| W843837 | | 115.0 | 0.002 | 0.31 | 0.68 | 14.5 | 1 | 4.0 | 66.7 | 2.38 | <0.05 | 12.20 | 0.667 | 0.54 | 2.7 | 130 |
| W843838 | | 99.5 | 0.002 | 0.55 | 1.02 | 13.0 | 1 | 3.7 | 65.3 | 1.84 | <0.05 | 9.51 | 0.674 | 0.51 | 2.3 | 128 |
| W843839 | | 94.2 | 0.005 | 1.36 | 1.15 | 11.4 | 2 | 3.5 | 110.0 | 1.93 | 0.08 | 8.96 | 0.668 | 0.44 | 2.7 | 123 |
| W843840 | | 112.5 | 0.003 | 0.97 | 0.74 | 11.4 | 2 | 3.8 | 143.5 | 1.50 | 0.06 | 10.55 | 0.618 | 0.48 | 2.6 | 111 |
| W843841 | | 121.0 | 0.007 | 1.68 | 1.55 | 14.2 | 2 | 4.9 | 68.7 | 1.88 | 0.08 | 11.10 | 0.804 | 0.60 | 3.3 | 155 |
| W843842 | | 97.1 | 0.004 | 1.01 | 1.12 | 10.9 | 1 | 5.0 | 91.7 | 1.89 | 0.05 | 10.35 | 0.549 | 0.50 | 2.4 | 104 |
| W843843 | | 101.5 | 0.005 | 1.60 | 1.60 | 10.4 | 2 | 9.7 | 96.6 | 1.47 | 0.07 | 9.12 | 0.483 | 0.51 | 2.5 | 109 |
| W843844 | | 114.5 | 0.004 | 1.01 | 1.12 | 13.1 | 1 | 7.1 | 96.6 | 2.25 | <0.05 | 11.60 | 0.688 | 0.62 | 3.2 | 125 |
| W843845 | | 105.5 | 0.003 | 0.47 | 0.87 | 11.5 | 1 | 6.0 | 59.3 | 2.02 | <0.05 | 10.30 | 0.603 | 0.58 | 2.9 | 114 |
| W843846 | | 96.8 | 0.004 | 0.70 | 1.17 | 9.1 | 1 | 5.3 | 90.5 | 1.32 | <0.05 | 8.33 | 0.448 | 0.48 | 2.0 | 92 |
| W843847 | | 94.2 | 0.002 | 2.05 | 1.99 | 8.5 | 1 | 9.2 | 68.6 | 1.36 | <0.05 | 8.40 | 0.384 | 0.48 | 1.5 | 81 |
| W843848 | | 90.6 | 0.002 | 0.68 | 1.16 | 9.9 | 1 | 14.5 | 76.0 | 1.84 | <0.05 | 10.10 | 0.513 | 0.40 | 1.8 | 89 |
| W843849 | | 51.2 | 0.004 | 6.91 | 2.64 | 8.8 | 2 | 20.4 | 42.0 | 0.95 | 0.60 | 10.60 | 0.332 | 0.25 | 1.9 | 73 |
| W843850 | | 90.9 | 0.003 | 3.55 | 0.91 | 12.8 | 1 | 32.7 | 45.1 | 1.85 | 0.17 | 13.65 | 0.620 | 0.40 | 2.1 | 116 |
| W843851 | | 86.8 | 0.002 | 2.24 | 4.30 | 10.9 | 1 | 24.2 | 67.6 | 1.65 | 0.06 | 11.95 | 0.492 | 0.39 | 2.2 | 98 |
| W843852 | | 117.5 | 0.006 | 1.59 | 5.41 | 16.0 | 1 | 24.5 | 53.0 | 1.83 | 0.06 | 12.55 | 0.680 | 0.49 | 2.7 | 168 |
| W843853 | | 105.5 | 0.003 | 1.15 | 3.38 | 14.0 | 1 | 15.4 | 52.1 | 1.81 | <0.05 | 10.70 | 0.634 | 0.43 | 2.3 | 127 |
| W843854 | | 114.5 | 0.003 | 1.03 | 1.79 | 15.3 | 1 | 22.2 | 49.8 | 1.57 | <0.05 | 11.50 | 0.623 | 0.47 | 2.6 | 136 |
| W843855 | | 117.0 | 0.005 | 1.82 | 2.10 | 13.6 | 2 | 15.6 | 70.0 | 1.24 | 0.06 | 12.60 | 0.474 | 0.49 | 2.6 | 136 |
| W843856 | | 87.4 | <0.002 | 1.61 | 2.19 | 11.2 | 1 | 10.7 | 70.2 | 0.94 | <0.05 | 8.28 | 0.394 | 0.40 | 1.8 | 93 |
| W843857 | | 129.5 | 0.003 | 1.08 | 1.16 | 16.0 | 1 | 9.1 | 56.4 | 1.81 | <0.05 | 9.93 | 0.695 | 0.78 | 2.3 | 150 |
| W843858 | | 135.5 | 0.003 | 0.78 | 1.47 | 18.6 | 1 | 9.1 | 36.0 | 2.48 | 0.05 | 12.85 | 0.854 | 0.71 | 3.2 | 176 |
| W843859 | | 118.5 | 0.004 | 0.49 | 1.14 | 16.8 | 1 | 6.5 | 53.8 | 2.06 | <0.05 | 10.70 | 0.775 | 0.61 | 2.7 | 159 |
| W843860 | | 136.5 | 0.002 | 0.64 | 1.17 | 18.3 | 1 | 7.8 | 45.3 | 2.28 | <0.05 | 11.75 | 0.791 | 0.72 | 3.0 | 167 |
| W843861 | | 96.2 | <0.002 | 0.47 | 1.02 | 15.8 | 1 | 5.8 | 39.2 | 1.72 | <0.05 | 9.73 | 0.645 | 0.56 | 2.0 | 140 |
| W843862 | | 121.5 | 0.002 | 0.35 | 0.91 | 17.3 | 1 | 11.0 | 40.2 | 2.17 | <0.05 | 11.60 | 0.748 | 0.65 | 2.1 | 155 |
| W843863 | | 108.5 | <0.002 | 0.65 | 1.05 | 17.6 | 1 | 14.1 | 44.7 | 1.84 | <0.05 | 9.98 | 0.698 | 0.56 | 1.9 | 155 |
| W843864 | | 132.0 | 0.003 | 0.40 | 1.01 | 19.0 | 1 | 5.0 | 47.6 | 2.11 | <0.05 | 11.20 | 0.739 | 0.68 | 2.3 | 162 |
| W843865 | | 143.0 | 0.004 | 1.20 | 1.01 | 17.2 | 1 | 34.8 | 55.4 | 1.84 | 0.05 | 10.90 | 0.665 | 0.68 | 3.4 | 163 |
| W843866 | | 147.0 | 0.003 | 0.65 | 1.15 | 18.6 | 1 | 12.4 | 52.9 | 2.26 | <0.05 | 12.10 | 0.746 | 0.72 | 2.4 | 162 |
| W843867 | | 138.0 | 0.005 | 0.62 | 1.02 | 17.5 | 2 | 4.6 | 44.0 | 2.12 | 0.07 | 11.00 | 0.762 | 0.72 | 3.6 | 173 |
| W843868 | | 121.5 | 0.003 | 0.59 | 0.89 | 15.3 | 1 | 3.5 | 39.0 | 1.61 | 0.06 | 9.81 | 0.642 | 0.64 | 2.3 | 138 |
| W843869 | | 127.5 | 0.003 | 0.75 | 1.02 | 15.8 | 1 | 3.9 | 42.2 | 1.68 | 0.06 | 9.95 | 0.656 | 0.68 | 2.5 | 142 |

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

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


**Finalized Date: 6-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20172180

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W843835 | | 1.0 | 10.1 | 40 | 67.5 | 0.005 |
| W843836 | | 1.0 | 10.5 | 38 | 67.8 | 0.017 |
| W843837 | | 1.4 | 11.8 | 41 | 114.0 | 0.030 |
| W843838 | | 1.2 | 11.0 | 47 | 87.8 | 0.076 |
| W843839 | | 1.3 | 15.8 | 47 | 80.9 | 0.013 |
| W843840 | | 1.3 | 13.2 | 32 | 77.1 | <0.005 |
| W843841 | | 1.7 | 15.1 | 46 | 102.0 | 0.012 |
| W843842 | | 1.2 | 11.8 | 54 | 77.2 | 0.006 |
| W843843 | | 1.6 | 13.1 | 135 | 86.6 | 0.010 |
| W843844 | | 1.5 | 13.7 | 64 | 94.1 | 0.007 |
| W843845 | | 1.3 | 11.6 | 58 | 79.9 | 0.008 |
| W843846 | | 1.4 | 11.5 | 48 | 72.2 | 0.013 |
| W843847 | | 1.6 | 11.3 | 28 | 52.9 | 0.049 |
| W843848 | | 3.8 | 12.6 | 28 | 74.3 | 0.032 |
| W843849 | | 4.0 | 11.7 | 28 | 41.4 | 0.819 |
| W843850 | | 6.1 | 13.0 | 23 | 75.2 | 0.160 |
| W843851 | | 5.2 | 14.1 | 19 | 78.5 | 0.180 |
| W843852 | | 6.5 | 15.9 | 26 | 93.4 | 0.057 |
| W843853 | | 5.2 | 13.9 | 34 | 79.7 | 0.040 |
| W843854 | | 5.6 | 15.5 | 38 | 107.5 | 0.043 |
| W843855 | | 4.2 | 14.2 | 24 | 96.5 | 0.268 |
| W843856 | | 3.1 | 13.8 | 63 | 50.8 | 0.222 |
| W843857 | | 2.6 | 18.3 | 39 | 72.3 | 0.078 |
| W843858 | | 2.1 | 22.0 | 61 | 104.5 | 0.082 |
| W843859 | | 1.5 | 16.7 | 56 | 88.6 | 0.041 |
| W843860 | | 2.1 | 13.6 | 47 | 111.0 | 0.023 |
| W843861 | | 1.6 | 13.9 | 68 | 64.8 | 0.023 |
| W843862 | | 2.0 | 14.3 | 44 | 80.6 | 0.016 |
| W843863 | | 2.7 | 15.8 | 47 | 72.2 | 0.015 |
| W843864 | | 1.6 | 14.2 | 41 | 82.8 | 0.005 |
| W843865 | | 5.2 | 15.9 | 22 | 133.5 | 0.111 |
| W843866 | | 2.4 | 16.3 | 34 | 95.6 | 0.012 |
| W843867 | | 1.6 | 14.3 | 29 | 116.0 | 0.007 |
| W843868 | | 1.5 | 10.8 | 37 | 97.9 | 0.017 |
| W843869 | | 1.6 | 11.4 | 38 | 89.2 | 0.023 |

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

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

Project: Rau


**Finalized Date: 6-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20172180

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20175558

Project: Rau

P.O. No.: R20-B06

This report is for 51 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 14-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843920 | | 2.56 | 0.08 | 5.87 | 367 | 1920 | 2.26 | 2.21 | 1.03 | 0.03 | 60.1 | 8.8 | 95 | 2.78 | 33.4 | 2.48 |
| W843921 | | 2.59 | 0.02 | 3.88 | 195.5 | 890 | 1.27 | 0.92 | 2.01 | 0.04 | 54.6 | 7.3 | 40 | 1.43 | 6.0 | 1.44 |
| W843922 | | 2.84 | 0.03 | 2.89 | 294 | 470 | 0.89 | 1.01 | 1.44 | 0.07 | 44.5 | 9.2 | 34 | 0.72 | 11.7 | 2.31 |
| W843923 | | 2.35 | 0.05 | 2.50 | 412 | 550 | 0.92 | 1.09 | 2.13 | 0.10 | 37.8 | 14.8 | 32 | 1.01 | 12.4 | 2.27 |
| W843924 | | 2.35 | 0.07 | 4.79 | 456 | 1500 | 1.93 | 2.00 | 0.58 | 0.03 | 69.8 | 5.3 | 51 | 2.44 | 6.8 | 2.37 |
| W843925 | | 2.45 | 0.06 | 3.70 | 232 | 1080 | 1.34 | 8.38 | 0.06 | <0.02 | 57.0 | 1.9 | 39 | 1.73 | 6.8 | 2.23 |
| W843926 | | 2.20 | 0.14 | 5.10 | 337 | 1610 | 1.95 | 10.75 | 0.09 | <0.02 | 64.4 | 2.6 | 56 | 2.41 | 4.6 | 3.43 |
| W843927 | | 2.35 | 0.09 | 3.20 | 327 | 840 | 1.15 | 32.7 | 0.08 | <0.02 | 22.8 | 2.5 | 49 | 1.30 | 2.1 | 2.18 |
| W843928 | | 2.27 | 0.10 | 3.43 | 410 | 940 | 1.30 | 7.90 | 0.26 | <0.02 | 32.3 | 5.5 | 57 | 1.70 | 6.2 | 2.39 |
| W843929 | | 2.40 | 0.27 | 4.36 | 313 | 1150 | 1.53 | 15.40 | 0.05 | <0.02 | 44.1 | 1.2 | 75 | 1.95 | 4.8 | 2.21 |
| W843930 | | 2.56 | 0.09 | 4.89 | 418 | 1390 | 1.80 | 14.00 | 0.21 | <0.02 | 44.5 | 0.8 | 76 | 2.47 | 5.8 | 1.94 |
| W843931 | | 2.51 | 0.28 | 5.61 | 294 | 1720 | 2.05 | 5.74 | 0.05 | <0.02 | 59.5 | 0.6 | 80 | 2.80 | 1.7 | 1.06 |
| W843932 | | 2.46 | 0.09 | 4.00 | 496 | 1100 | 1.44 | 6.52 | 0.09 | <0.02 | 52.0 | 0.9 | 54 | 1.91 | 2.4 | 1.74 |
| W843933 | | 2.12 | 0.09 | 5.85 | 672 | 1540 | 2.15 | 5.37 | 1.36 | 0.02 | 78.6 | 9.1 | 72 | 2.47 | 14.1 | 2.92 |
| W843934 | | 2.56 | 0.31 | 5.20 | 690 | 1400 | 2.07 | 8.10 | 1.64 | <0.02 | 64.0 | 14.5 | 85 | 2.27 | 16.5 | 3.13 |
| W843935 | | 2.86 | 0.46 | 4.13 | 918 | 110 | 1.51 | 25.6 | 1.96 | 0.07 | 43.5 | 23.1 | 60 | 1.81 | 14.4 | 7.51 |
| W843936 | | 2.59 | 0.52 | 2.48 | 1310 | 60 | 0.96 | 52.9 | 0.31 | 0.05 | 26.4 | 25.2 | 41 | 1.23 | 7.4 | 12.30 |
| W843937 | | 2.52 | 0.30 | 4.60 | 727 | 440 | 1.76 | 12.25 | 1.88 | 0.03 | 69.7 | 16.3 | 67 | 2.35 | 9.0 | 3.60 |
| W843938 | | 2.57 | 0.22 | 4.11 | 441 | 910 | 1.56 | 9.19 | 3.56 | 0.03 | 64.7 | 13.6 | 61 | 2.16 | 8.6 | 3.36 |
| W843939 | | 2.95 | 0.18 | 4.09 | 605 | 990 | 1.54 | 9.31 | 3.27 | 0.07 | 59.8 | 13.0 | 58 | 2.00 | 11.7 | 3.03 |
| W843940 | | 2.39 | 0.16 | 3.96 | 273 | 810 | 1.60 | 8.82 | 3.14 | 0.07 | 56.3 | 15.0 | 58 | 2.20 | 15.0 | 3.53 |
| W843941 | | 2.72 | 0.14 | 3.52 | 149.0 | 1050 | 1.36 | 6.88 | 3.71 | 0.08 | 46.9 | 12.8 | 50 | 1.86 | 23.3 | 3.21 |
| W843942 | | 2.89 | 0.23 | 4.03 | 124.5 | 930 | 1.68 | 9.57 | 3.52 | 0.08 | 52.4 | 14.9 | 57 | 2.25 | 40.9 | 3.02 |
| W843943 | | 2.53 | 0.11 | 4.67 | 336 | 910 | 1.71 | 3.05 | 4.12 | 0.07 | 53.0 | 19.2 | 87 | 2.49 | 67.4 | 2.89 |
| W843944 | | 2.67 | 0.08 | 3.21 | 128.0 | 1020 | 1.19 | 1.93 | 4.68 | 0.07 | 43.0 | 7.9 | 43 | 1.73 | 53.4 | 2.53 |
| W843945 | | 2.70 | 0.09 | 3.44 | 286 | 880 | 1.30 | 1.86 | 5.41 | 0.09 | 45.3 | 11.1 | 47 | 1.77 | 63.6 | 3.35 |
| W843946 | | 2.68 | 0.09 | 2.70 | 556 | 680 | 0.98 | 3.92 | 5.62 | 0.06 | 28.1 | 27.6 | 34 | 1.34 | 47.4 | 3.77 |
| W843947 | | 2.59 | 0.20 | 3.67 | 170.5 | 1240 | 1.30 | 3.08 | 5.69 | 0.14 | 38.9 | 11.0 | 48 | 1.86 | 20.7 | 2.70 |
| W843948 | | 2.15 | 0.07 | 4.42 | 132.5 | 1050 | 1.53 | 2.23 | 3.99 | 0.04 | 48.6 | 11.2 | 66 | 2.18 | 24.4 | 2.75 |
| W843949 | | 2.50 | 0.19 | 3.25 | 109.0 | 450 | 1.16 | 1.89 | 4.49 | 0.99 | 48.1 | 14.3 | 59 | 1.64 | 50.7 | 3.82 |
| W843950 | | 3.76 | 0.14 | 3.23 | 67.9 | 590 | 1.08 | 3.00 | 5.63 | 0.11 | 41.0 | 12.5 | 48 | 1.55 | 32.8 | 3.64 |
| W843951 | | 3.90 | 0.19 | 3.20 | 193.0 | 310 | 1.05 | 2.79 | 5.69 | 0.21 | 42.3 | 20.1 | 52 | 1.66 | 103.0 | 4.76 |
| W843952 | | 4.28 | 0.21 | 3.25 | 134.0 | 330 | 1.08 | 3.86 | 4.45 | 0.14 | 40.9 | 17.5 | 56 | 1.63 | 115.0 | 4.30 |
| W843953 | | 3.34 | 0.18 | 2.54 | 76.3 | 440 | 0.82 | 3.44 | 3.76 | 0.11 | 31.7 | 12.1 | 45 | 1.29 | 73.9 | 3.36 |
| W843954 | | 3.46 | 0.22 | 2.84 | 123.0 | 390 | 0.86 | 3.93 | 3.48 | 0.10 | 38.6 | 16.2 | 48 | 1.45 | 67.6 | 3.70 |
| W843955 | | 4.15 | 0.20 | 3.41 | 94.4 | 410 | 1.08 | 4.35 | 3.50 | 0.08 | 38.7 | 17.7 | 54 | 1.72 | 59.8 | 3.60 |
| W843956 | | 4.30 | 0.21 | 3.36 | 83.2 | 680 | 1.08 | 3.58 | 3.20 | 0.09 | 42.0 | 16.2 | 55 | 1.74 | 53.3 | 3.24 |
| W843957 | | 4.15 | 0.17 | 3.18 | 83.3 | 570 | 0.97 | 3.26 | 3.10 | 0.09 | 42.5 | 14.7 | 51 | 1.60 | 60.6 | 3.32 |
| W843958 | | 3.62 | 0.13 | 2.95 | 55.9 | 700 | 0.95 | 2.65 | 2.95 | 0.06 | 40.1 | 12.1 | 47 | 1.52 | 45.0 | 2.66 |
| W843959 | | 3.68 | 0.10 | 2.56 | 155.0 | 840 | 0.85 | 3.10 | 1.24 | 0.09 | 36.0 | 7.9 | 44 | 1.30 | 27.4 | 2.17 |

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

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**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843920 | | 16.45 | 0.10 | 2.1 | 0.043 | 2.78 | 35.9 | 12.0 | 0.49 | 486 | 8.15 | 0.07 | 9.1 | 51.1 | 3730 | 6.9 |
| W843921 | | 11.05 | 0.11 | 1.6 | 0.030 | 1.41 | 31.9 | 6.3 | 1.18 | 497 | 1.42 | 0.11 | 12.1 | 27.3 | 2030 | 2.1 |
| W843922 | | 8.18 | 0.08 | 1.9 | 0.021 | 0.84 | 26.1 | 3.5 | 0.85 | 594 | 1.52 | 0.11 | 16.3 | 22.5 | 2770 | 3.1 |
| W843923 | | 7.24 | 0.07 | 1.3 | 0.035 | 0.93 | 21.6 | 4.2 | 1.01 | 793 | 2.41 | 0.07 | 9.3 | 27.0 | 2070 | 4.9 |
| W843924 | | 15.50 | 0.13 | 2.5 | 0.058 | 2.31 | 38.9 | 9.9 | 0.39 | 290 | 1.83 | 0.05 | 14.8 | 17.5 | 2210 | 3.8 |
| W843925 | | 11.05 | 0.09 | 1.8 | 0.035 | 1.70 | 34.3 | 7.0 | 0.26 | 142 | 2.67 | 0.05 | 12.2 | 7.7 | 550 | 4.2 |
| W843926 | | 15.75 | 0.11 | 2.7 | 0.039 | 2.46 | 37.7 | 9.6 | 0.31 | 185 | 2.45 | 0.05 | 17.8 | 10.9 | 1080 | 2.4 |
| W843927 | | 9.97 | 0.07 | 1.9 | 0.025 | 1.37 | 13.7 | 4.8 | 0.28 | 105 | 6.81 | 0.07 | 13.8 | 8.3 | 1280 | 5.3 |
| W843928 | | 10.45 | 0.07 | 1.6 | 0.032 | 1.59 | 19.0 | 5.7 | 0.23 | 110 | 6.48 | 0.04 | 10.1 | 15.7 | 1950 | 5.9 |
| W843929 | | 13.50 | 0.08 | 1.8 | 0.029 | 2.03 | 26.0 | 6.8 | 0.28 | 99 | 16.20 | 0.05 | 8.9 | 4.1 | 530 | 12.0 |
| W843930 | | 15.50 | 0.08 | 1.9 | 0.035 | 2.34 | 26.2 | 8.2 | 0.30 | 62 | 9.46 | 0.05 | 8.8 | 4.3 | 2640 | 7.2 |
| W843931 | | 17.35 | 0.10 | 2.2 | 0.036 | 2.72 | 35.7 | 9.2 | 0.29 | 40 | 5.53 | 0.05 | 11.4 | 3.8 | 2260 | 5.8 |
| W843932 | | 12.25 | 0.10 | 2.2 | 0.037 | 1.91 | 30.2 | 6.3 | 0.23 | 45 | 5.28 | 0.04 | 14.8 | 3.7 | 2910 | 3.7 |
| W843933 | | 17.25 | 0.15 | 2.9 | 0.044 | 2.70 | 45.2 | 8.1 | 0.66 | 899 | 9.03 | 0.06 | 17.9 | 34.0 | 3660 | 5.2 |
| W843934 | | 15.45 | 0.14 | 2.2 | 0.037 | 2.42 | 36.8 | 7.7 | 0.79 | 623 | 16.60 | 0.06 | 10.6 | 62.0 | 3100 | 6.4 |
| W843935 | | 11.80 | 0.12 | 1.4 | 0.040 | 1.98 | 24.2 | 5.8 | 0.88 | 753 | 18.25 | 0.04 | 6.5 | 71.3 | 2600 | 10.5 |
| W843936 | | 7.56 | 0.09 | 1.3 | 0.045 | 1.10 | 14.1 | 4.0 | 0.27 | 240 | 5.06 | 0.04 | 6.5 | 51.5 | 830 | 20.1 |
| W843937 | | 14.65 | 0.11 | 2.8 | 0.037 | 2.09 | 37.8 | 7.8 | 1.04 | 646 | 8.61 | 0.07 | 21.7 | 39.3 | 1740 | 24.6 |
| W843938 | | 12.15 | 0.11 | 2.4 | 0.039 | 1.93 | 34.8 | 7.3 | 1.75 | 928 | 5.77 | 0.05 | 20.6 | 34.8 | 1580 | 15.2 |
| W843939 | | 12.10 | 0.10 | 2.3 | 0.037 | 1.95 | 32.6 | 7.7 | 1.57 | 830 | 6.61 | 0.05 | 19.7 | 31.5 | 1370 | 5.8 |
| W843940 | | 11.30 | 0.10 | 2.3 | 0.039 | 1.94 | 30.5 | 8.8 | 1.51 | 1040 | 7.00 | 0.04 | 18.5 | 40.3 | 1390 | 5.1 |
| W843941 | | 9.57 | 0.08 | 1.9 | 0.036 | 1.71 | 26.1 | 8.1 | 1.74 | 1010 | 6.20 | 0.03 | 15.4 | 39.5 | 1360 | 5.1 |
| W843942 | | 11.35 | 0.10 | 1.5 | 0.046 | 1.99 | 31.0 | 9.1 | 1.57 | 742 | 21.1 | 0.04 | 10.6 | 76.9 | 2890 | 7.2 |
| W843943 | | 13.75 | 0.14 | 1.9 | 0.042 | 2.24 | 31.1 | 9.5 | 1.72 | 645 | 25.6 | 0.05 | 8.7 | 64.8 | 3960 | 5.9 |
| W843944 | | 9.04 | 0.09 | 1.9 | 0.027 | 1.48 | 24.8 | 6.8 | 2.18 | 789 | 4.66 | 0.05 | 12.8 | 36.5 | 2240 | 7.2 |
| W843945 | | 9.58 | 0.09 | 1.6 | 0.038 | 1.61 | 25.9 | 6.9 | 2.45 | 1130 | 7.54 | 0.04 | 9.5 | 40.8 | 2470 | 5.7 |
| W843946 | | 7.62 | 0.08 | 1.0 | 0.031 | 1.27 | 16.7 | 5.6 | 2.60 | 1160 | 11.55 | 0.03 | 3.7 | 51.2 | 1610 | 6.1 |
| W843947 | | 10.05 | 0.09 | 1.4 | 0.032 | 1.73 | 22.7 | 7.7 | 2.73 | 968 | 6.00 | 0.05 | 5.9 | 36.7 | 1850 | 10.2 |
| W843948 | | 13.15 | 0.12 | 2.3 | 0.036 | 2.09 | 27.8 | 10.0 | 1.90 | 908 | 3.49 | 0.05 | 17.4 | 43.5 | 1640 | 3.3 |
| W843949 | | 8.80 | 0.11 | 1.5 | 0.039 | 1.52 | 27.0 | 6.8 | 1.95 | 1240 | 19.10 | 0.04 | 8.4 | 63.9 | 2610 | 70.4 |
| W843950 | | 8.80 | 0.09 | 1.6 | 0.034 | 1.49 | 22.0 | 7.1 | 2.46 | 1360 | 4.77 | 0.05 | 11.3 | 34.0 | 1980 | 12.8 |
| W843951 | | 9.12 | 0.09 | 1.8 | 0.044 | 1.47 | 22.7 | 6.2 | 2.34 | 1510 | 7.97 | 0.05 | 12.1 | 47.6 | 2050 | 20.4 |
| W843952 | | 8.84 | 0.09 | 1.6 | 0.036 | 1.49 | 21.9 | 6.9 | 1.82 | 1060 | 7.56 | 0.05 | 12.3 | 51.8 | 2700 | 16.6 |
| W843953 | | 6.98 | 0.08 | 1.1 | 0.028 | 1.17 | 18.1 | 5.9 | 1.44 | 807 | 5.07 | 0.04 | 8.9 | 36.9 | 3050 | 11.0 |
| W843954 | | 7.62 | 0.09 | 1.4 | 0.028 | 1.31 | 20.9 | 6.4 | 1.37 | 789 | 6.02 | 0.05 | 10.6 | 43.7 | 2780 | 12.7 |
| W843955 | | 9.19 | 0.11 | 1.8 | 0.034 | 1.55 | 21.8 | 8.1 | 1.46 | 796 | 6.95 | 0.06 | 14.5 | 50.0 | 2270 | 9.6 |
| W843956 | | 9.20 | 0.10 | 1.8 | 0.034 | 1.53 | 23.5 | 7.7 | 1.34 | 770 | 5.85 | 0.06 | 15.8 | 45.3 | 2100 | 9.3 |
| W843957 | | 8.46 | 0.10 | 1.7 | 0.031 | 1.44 | 23.7 | 6.7 | 1.32 | 810 | 5.87 | 0.05 | 13.5 | 40.2 | 1820 | 7.8 |
| W843958 | | 8.03 | 0.09 | 1.5 | 0.032 | 1.33 | 21.8 | 6.4 | 1.28 | 782 | 4.68 | 0.05 | 13.2 | 31.7 | 1530 | 5.3 |
| W843959 | | 7.36 | 0.09 | 1.2 | 0.023 | 1.15 | 20.6 | 4.5 | 0.52 | 294 | 5.83 | 0.04 | 8.6 | 19.1 | 1780 | 6.6 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843920 | | 111.0 | 0.002 | 0.05 | 1.58 | 9.7 | 2 | 17.4 | 55.5 | 0.51 | 0.10 | 10.30 | 0.242 | 0.65 | 6.2 | 729 |
| W843921 | | 60.6 | <0.002 | 0.01 | 1.22 | 7.8 | 1 | 10.2 | 63.2 | 0.70 | <0.05 | 7.91 | 0.204 | 0.42 | 2.6 | 211 |
| W843922 | | 34.6 | <0.002 | 0.02 | 2.80 | 5.5 | 1 | 7.9 | 54.1 | 0.88 | <0.05 | 7.55 | 0.208 | 0.30 | 5.8 | 157 |
| W843923 | | 39.6 | <0.002 | 0.03 | 1.46 | 5.0 | 1 | 9.2 | 41.8 | 0.50 | <0.05 | 6.00 | 0.144 | 0.31 | 3.2 | 136 |
| W843924 | | 94.1 | <0.002 | 0.03 | 8.46 | 10.7 | 1 | 17.9 | 53.9 | 0.87 | 0.06 | 10.85 | 0.254 | 0.69 | 3.7 | 167 |
| W843925 | | 68.9 | <0.002 | 0.17 | 8.81 | 7.5 | 1 | 13.3 | 68.1 | 0.69 | 0.06 | 6.12 | 0.231 | 0.71 | 2.3 | 128 |
| W843926 | | 99.7 | <0.002 | 0.14 | 5.94 | 11.7 | 1 | 18.7 | 53.1 | 1.06 | <0.05 | 8.47 | 0.341 | 1.02 | 3.7 | 223 |
| W843927 | | 56.3 | <0.002 | 0.24 | 9.25 | 7.2 | 1 | 18.7 | 56.5 | 0.79 | 0.08 | 6.10 | 0.250 | 0.99 | 2.6 | 191 |
| W843928 | | 65.2 | <0.002 | 0.11 | 12.95 | 7.3 | 1 | 18.7 | 53.3 | 0.56 | 0.06 | 5.65 | 0.205 | 0.90 | 3.8 | 244 |
| W843929 | | 83.6 | 0.002 | 0.14 | 13.75 | 7.2 | 2 | 23.6 | 39.9 | 0.46 | 0.14 | 4.68 | 0.187 | 1.77 | 2.4 | 456 |
| W843930 | | 98.6 | 0.002 | 0.10 | 7.26 | 8.5 | 2 | 23.9 | 61.4 | 0.49 | 0.06 | 9.67 | 0.212 | 1.66 | 5.8 | 592 |
| W843931 | | 113.0 | 0.002 | 0.02 | 4.85 | 9.3 | 3 | 21.2 | 19.7 | 0.65 | 0.13 | 5.87 | 0.269 | 0.76 | 3.4 | 667 |
| W843932 | | 78.6 | <0.002 | 0.04 | 5.06 | 7.7 | 2 | 16.8 | 31.2 | 0.84 | 0.08 | 9.89 | 0.227 | 0.84 | 3.6 | 272 |
| W843933 | | 110.0 | 0.003 | 0.07 | 3.11 | 11.0 | 3 | 20.7 | 53.0 | 1.04 | 0.12 | 12.70 | 0.314 | 0.73 | 5.6 | 345 |
| W843934 | | 99.5 | 0.030 | 0.41 | 3.97 | 9.7 | 11 | 20.6 | 48.7 | 0.56 | 0.17 | 11.05 | 0.226 | 0.67 | 7.8 | 540 |
| W843935 | | 81.9 | 0.025 | 3.85 | 3.58 | 7.5 | 8 | 15.5 | 46.5 | 0.35 | 0.24 | 7.22 | 0.144 | 0.57 | 5.9 | 347 |
| W843936 | | 46.3 | 0.006 | >10.0 | 2.23 | 5.8 | 4 | 10.0 | 14.2 | 0.34 | 0.20 | 3.49 | 0.120 | 0.26 | 3.1 | 111 |
| W843937 | | 91.4 | 0.009 | 1.93 | 2.37 | 11.1 | 3 | 23.0 | 40.1 | 1.15 | 0.17 | 9.03 | 0.367 | 0.51 | 3.6 | 187 |
| W843938 | | 83.6 | 0.006 | 1.76 | 2.23 | 9.4 | 3 | 16.1 | 58.0 | 1.09 | 0.14 | 7.79 | 0.349 | 0.46 | 3.2 | 156 |
| W843939 | | 83.7 | 0.007 | 1.68 | 1.63 | 9.1 | 3 | 15.3 | 62.6 | 1.05 | 0.10 | 7.16 | 0.351 | 0.45 | 3.4 | 162 |
| W843940 | | 82.4 | 0.009 | 1.81 | 1.46 | 9.1 | 3 | 12.6 | 68.4 | 0.96 | 0.07 | 6.86 | 0.330 | 0.46 | 5.2 | 153 |
| W843941 | | 72.4 | 0.020 | 1.31 | 1.25 | 7.5 | 2 | 10.1 | 83.4 | 0.84 | 0.06 | 5.95 | 0.278 | 0.41 | 4.4 | 135 |
| W843942 | | 83.7 | 0.058 | 1.58 | 1.85 | 7.3 | 5 | 10.0 | 122.0 | 0.60 | 0.23 | 7.20 | 0.200 | 0.54 | 11.3 | 417 |
| W843943 | | 96.0 | 0.106 | 1.30 | 1.10 | 7.5 | 6 | 11.1 | 138.5 | 0.49 | 0.14 | 9.08 | 0.203 | 0.56 | 18.9 | 565 |
| W843944 | | 61.4 | 0.017 | 0.81 | 0.88 | 6.2 | 2 | 7.8 | 146.5 | 0.73 | 0.08 | 6.34 | 0.192 | 0.39 | 4.9 | 206 |
| W843945 | | 69.7 | 0.018 | 1.29 | 0.92 | 6.3 | 3 | 9.5 | 143.5 | 0.55 | 0.07 | 6.86 | 0.169 | 0.40 | 5.5 | 172 |
| W843946 | | 54.3 | 0.039 | 1.88 | 1.17 | 4.8 | 3 | 7.2 | 142.0 | 0.22 | 0.18 | 4.96 | 0.100 | 0.31 | 7.6 | 136 |
| W843947 | | 71.4 | 0.036 | 1.08 | 1.02 | 6.4 | 3 | 8.5 | 202 | 0.35 | 0.13 | 7.11 | 0.154 | 0.43 | 5.1 | 204 |
| W843948 | | 87.6 | 0.029 | 1.26 | 0.89 | 10.5 | 3 | 10.5 | 97.2 | 1.01 | 0.10 | 6.32 | 0.359 | 0.49 | 6.3 | 201 |
| W843949 | | 65.7 | 0.037 | 1.78 | 1.66 | 6.5 | 5 | 7.5 | 116.0 | 0.47 | 0.13 | 5.79 | 0.168 | 0.41 | 10.0 | 250 |
| W843950 | | 62.9 | 0.021 | 1.60 | 1.14 | 7.6 | 2 | 5.0 | 123.0 | 0.62 | 0.11 | 5.18 | 0.240 | 0.37 | 3.7 | 131 |
| W843951 | | 62.8 | 0.021 | 2.15 | 1.96 | 6.7 | 3 | 4.5 | 118.5 | 0.69 | 0.13 | 5.31 | 0.203 | 0.43 | 5.3 | 188 |
| W843952 | | 60.4 | 0.024 | 2.36 | 2.02 | 7.2 | 3 | 3.3 | 102.0 | 0.72 | 0.11 | 5.11 | 0.227 | 0.41 | 5.3 | 176 |
| W843953 | | 48.2 | 0.012 | 1.81 | 2.48 | 5.8 | 3 | 2.6 | 89.9 | 0.50 | 0.07 | 3.32 | 0.171 | 0.34 | 3.6 | 141 |
| W843954 | | 53.2 | 0.012 | 2.25 | 2.94 | 6.5 | 3 | 2.8 | 80.8 | 0.61 | 0.11 | 3.97 | 0.202 | 0.40 | 4.0 | 153 |
| W843955 | | 63.5 | 0.012 | 2.30 | 3.11 | 7.6 | 3 | 2.9 | 84.4 | 0.80 | 0.13 | 4.75 | 0.257 | 0.45 | 4.0 | 164 |
| W843956 | | 63.4 | 0.011 | 1.94 | 3.44 | 7.7 | 3 | 3.0 | 82.9 | 0.85 | 0.12 | 5.20 | 0.265 | 0.42 | 4.2 | 154 |
| W843957 | | 58.3 | 0.010 | 1.85 | 4.08 | 7.4 | 3 | 3.0 | 72.9 | 0.75 | 0.13 | 4.66 | 0.248 | 0.41 | 3.8 | 154 |
| W843958 | | 55.1 | 0.007 | 1.45 | 3.72 | 6.8 | 2 | 3.2 | 68.4 | 0.74 | 0.10 | 4.72 | 0.228 | 0.38 | 3.3 | 124 |
| W843959 | | 48.0 | 0.007 | 1.10 | 5.45 | 5.4 | 2 | 6.0 | 44.7 | 0.46 | 0.09 | 3.69 | 0.163 | 0.43 | 3.4 | 181 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W843920 | | 5.0 | 14.7 | 22 | 83.1 | 0.025 |
| W843921 | | 2.9 | 13.0 | 9 | 59.7 | 0.009 |
| W843922 | | 3.2 | 14.5 | 14 | 83.1 | 0.009 |
| W843923 | | 4.1 | 12.3 | 16 | 53.8 | 0.031 |
| W843924 | | 4.1 | 9.9 | 15 | 106.0 | 0.020 |
| W843925 | | 4.0 | 5.6 | 13 | 78.2 | 0.029 |
| W843926 | | 4.7 | 9.1 | 11 | 106.5 | 0.085 |
| W843927 | | 5.3 | 4.1 | 10 | 81.5 | 0.058 |
| W843928 | | 4.0 | 5.6 | 11 | 74.8 | 0.158 |
| W843929 | | 4.8 | 4.4 | 10 | 86.3 | 0.759 |
| W843930 | | 5.3 | 7.2 | 8 | 80.6 | 0.432 |
| W843931 | | 6.2 | 6.2 | 6 | 92.9 | 0.095 |
| W843932 | | 4.6 | 6.8 | 6 | 91.3 | 0.083 |
| W843933 | | 6.0 | 18.0 | 16 | 114.5 | 0.088 |
| W843934 | | 5.2 | 16.2 | 16 | 87.8 | 0.100 |
| W843935 | | 4.1 | 12.4 | 17 | 59.0 | 0.383 |
| W843936 | | 4.5 | 7.8 | 14 | 51.6 | 1.630 |
| W843937 | | 7.2 | 11.9 | 15 | 110.0 | 0.354 |
| W843938 | | 6.0 | 11.9 | 15 | 100.5 | 0.168 |
| W843939 | | 5.2 | 10.1 | 12 | 98.2 | 0.233 |
| W843940 | | 4.4 | 10.1 | 14 | 95.2 | 0.145 |
| W843941 | | 3.8 | 9.3 | 14 | 81.8 | 0.109 |
| W843942 | | 3.7 | 14.3 | 16 | 63.3 | 0.099 |
| W843943 | | 4.4 | 14.1 | 15 | 72.9 | 0.072 |
| W843944 | | 3.3 | 13.1 | 13 | 77.4 | 0.024 |
| W843945 | | 4.0 | 12.4 | 16 | 66.4 | 0.067 |
| W843946 | | 2.8 | 9.2 | 13 | 37.3 | 0.056 |
| W843947 | | 3.2 | 10.9 | 22 | 55.4 | 0.117 |
| W843948 | | 4.3 | 12.5 | 10 | 88.4 | 0.063 |
| W843949 | | 5.6 | 13.6 | 117 | 62.1 | 0.138 |
| W843950 | | 3.0 | 10.7 | 21 | 68.0 | 0.074 |
| W843951 | | 2.1 | 10.2 | 28 | 73.3 | 0.053 |
| W843952 | | 1.9 | 10.9 | 23 | 65.1 | 0.045 |
| W843953 | | 1.5 | 10.3 | 18 | 45.6 | 0.029 |
| W843954 | | 1.5 | 10.6 | 18 | 53.8 | 0.051 |
| W843955 | | 1.6 | 10.9 | 15 | 70.4 | 0.066 |
| W843956 | | 1.7 | 11.2 | 16 | 79.0 | 0.093 |
| W843957 | | 1.7 | 9.9 | 16 | 68.0 | 0.054 |
| W843958 | | 1.6 | 9.3 | 13 | 65.2 | 0.071 |
| W843959 | | 1.9 | 13.0 | 18 | 52.8 | 0.063 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843960 | | 3.44 | 0.11 | 2.90 | 123.5 | 820 | 0.97 | 3.20 | 1.77 | 0.07 | 40.0 | 10.9 | 49 | 1.56 | 38.5 | 2.48 |
| W843961 | | 4.35 | 0.09 | 2.62 | 168.5 | 830 | 0.89 | 5.90 | 0.84 | 0.04 | 36.4 | 5.2 | 40 | 1.39 | 24.8 | 1.86 |
| W843962 | | 3.60 | 0.10 | 2.84 | 115.5 | 910 | 0.92 | 10.15 | 0.93 | 0.03 | 41.3 | 4.4 | 42 | 1.44 | 20.9 | 1.74 |
| W843963 | | 3.23 | 0.11 | 2.73 | 119.0 | 890 | 0.91 | 8.10 | 1.03 | 0.05 | 39.3 | 6.8 | 41 | 1.42 | 27.8 | 2.05 |
| W843964 | | 4.52 | 0.09 | 2.83 | 107.0 | 920 | 0.98 | 7.09 | 1.09 | 0.05 | 42.9 | 6.2 | 42 | 1.48 | 24.1 | 1.78 |
| W843965 | | 3.75 | 0.10 | 2.71 | 156.0 | 860 | 0.90 | 8.31 | 0.92 | 0.04 | 41.0 | 6.8 | 40 | 1.35 | 26.2 | 1.88 |
| W843966 | | 3.93 | 0.07 | 2.78 | 115.5 | 950 | 0.98 | 4.37 | 1.17 | 0.05 | 38.6 | 5.8 | 41 | 1.50 | 21.5 | 1.69 |
| W843967 | | 4.21 | 0.08 | 2.91 | 108.5 | 1010 | 0.99 | 4.06 | 1.28 | 0.06 | 40.6 | 6.3 | 45 | 1.56 | 21.7 | 1.81 |
| W843968 | | 4.65 | 0.09 | 2.95 | 129.5 | 1020 | 0.99 | 4.95 | 1.38 | 0.06 | 40.0 | 8.2 | 44 | 1.54 | 28.4 | 2.16 |
| W843969 | | 4.51 | 0.08 | 3.05 | 131.0 | 990 | 0.98 | 4.89 | 1.42 | 0.06 | 39.5 | 8.5 | 45 | 1.50 | 28.7 | 2.24 |
| W843970 | | 4.25 | 0.10 | 3.27 | 137.0 | 1090 | 1.13 | 5.01 | 1.27 | 0.06 | 45.3 | 7.6 | 46 | 1.73 | 27.1 | 2.00 |

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

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**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843960 | | 8.03 | 0.10 | 1.4 | 0.026 | 1.33 | 22.5 | 5.4 | 0.78 | 427 | 5.90 | 0.04 | 10.7 | 29.3 | 1670 | 5.9 |
| W843961 | | 7.48 | 0.10 | 1.2 | 0.023 | 1.18 | 20.2 | 4.4 | 0.43 | 232 | 6.79 | 0.03 | 8.3 | 16.0 | 1160 | 5.0 |
| W843962 | | 7.93 | 0.10 | 1.3 | 0.025 | 1.30 | 23.4 | 4.6 | 0.51 | 248 | 6.59 | 0.04 | 9.4 | 13.7 | 850 | 4.6 |
| W843963 | | 7.80 | 0.10 | 1.3 | 0.025 | 1.26 | 22.3 | 4.7 | 0.52 | 258 | 6.43 | 0.03 | 9.6 | 19.8 | 1040 | 5.3 |
| W843964 | | 8.22 | 0.11 | 1.4 | 0.028 | 1.29 | 24.3 | 5.0 | 0.54 | 268 | 6.27 | 0.04 | 11.3 | 18.7 | 1080 | 4.5 |
| W843965 | | 7.84 | 0.11 | 1.3 | 0.024 | 1.24 | 23.1 | 4.5 | 0.48 | 256 | 5.99 | 0.03 | 10.2 | 18.4 | 920 | 4.8 |
| W843966 | | 7.99 | 0.11 | 1.4 | 0.023 | 1.28 | 21.8 | 5.0 | 0.61 | 308 | 5.32 | 0.03 | 12.0 | 18.5 | 1040 | 4.5 |
| W843967 | | 8.18 | 0.11 | 1.5 | 0.026 | 1.35 | 22.7 | 5.3 | 0.66 | 331 | 5.17 | 0.04 | 11.9 | 19.3 | 1240 | 4.4 |
| W843968 | | 8.08 | 0.12 | 1.5 | 0.027 | 1.37 | 22.2 | 5.2 | 0.71 | 357 | 5.34 | 0.04 | 11.8 | 23.8 | 1280 | 5.2 |
| W843969 | | 7.78 | 0.11 | 1.4 | 0.023 | 1.40 | 22.2 | 5.0 | 0.73 | 359 | 4.96 | 0.04 | 12.1 | 24.6 | 1330 | 4.6 |
| W843970 | | 9.27 | 0.13 | 1.5 | 0.028 | 1.51 | 25.3 | 5.6 | 0.68 | 327 | 5.33 | 0.04 | 14.3 | 24.0 | 1110 | 4.9 |

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

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**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843960 | | 54.7 | 0.010 | 1.35 | 5.37 | 6.4 | 2 | 5.5 | 51.8 | 0.60 | 0.09 | 4.39 | 0.210 | 0.45 | 3.6 | 169 |
| W843961 | | 49.2 | 0.007 | 0.62 | 6.01 | 5.3 | 2 | 7.5 | 39.3 | 0.46 | 0.10 | 3.69 | 0.165 | 0.59 | 3.0 | 200 |
| W843962 | | 53.4 | 0.007 | 0.58 | 5.24 | 5.3 | 2 | 8.4 | 48.1 | 0.53 | 0.07 | 4.07 | 0.190 | 0.78 | 3.1 | 208 |
| W843963 | | 51.1 | 0.008 | 1.00 | 5.56 | 5.4 | 2 | 7.5 | 41.1 | 0.54 | 0.08 | 3.79 | 0.187 | 0.68 | 3.2 | 186 |
| W843964 | | 54.4 | 0.008 | 0.81 | 4.71 | 6.0 | 2 | 7.9 | 40.5 | 0.62 | 0.09 | 4.28 | 0.204 | 0.62 | 3.4 | 182 |
| W843965 | | 50.6 | 0.007 | 0.92 | 5.19 | 5.5 | 2 | 8.0 | 37.4 | 0.55 | 0.07 | 4.06 | 0.199 | 0.69 | 3.1 | 180 |
| W843966 | | 53.6 | 0.010 | 0.74 | 3.57 | 6.2 | 1 | 7.0 | 38.2 | 0.65 | 0.07 | 3.86 | 0.215 | 0.51 | 3.5 | 160 |
| W843967 | | 56.9 | 0.010 | 0.81 | 3.91 | 6.3 | 2 | 6.9 | 40.6 | 0.65 | 0.07 | 3.98 | 0.222 | 0.49 | 3.7 | 160 |
| W843968 | | 56.2 | 0.011 | 1.14 | 4.13 | 6.3 | 2 | 7.0 | 42.4 | 0.67 | 0.08 | 4.00 | 0.224 | 0.53 | 3.8 | 160 |
| W843969 | | 53.8 | 0.010 | 1.26 | 3.90 | 6.0 | 2 | 6.9 | 40.1 | 0.67 | 0.08 | 4.10 | 0.235 | 0.50 | 3.8 | 162 |
| W843970 | | 62.8 | 0.009 | 0.96 | 4.87 | 7.1 | 2 | 9.1 | 39.7 | 0.74 | 0.08 | 4.45 | 0.260 | 0.57 | 3.6 | 168 |

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

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


**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method Analyte Units LOD | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 | Au-AA24 Au ppm 0.005 |
|---|---|---|---|---|---|---|
| W843960 | | 1.9 | 8.7 | 15 | 61.5 | 0.091 |
| W843961 | | 2.0 | 6.0 | 12 | 57.6 | 0.083 |
| W843962 | | 2.2 | 6.0 | 10 | 66.8 | 0.121 |
| W843963 | | 2.1 | 6.2 | 12 | 59.7 | 0.139 |
| W843964 | | 2.3 | 6.9 | 12 | 65.1 | 0.086 |
| W843965 | | 2.3 | 6.5 | 12 | 60.6 | 0.124 |
| W843966 | | 2.0 | 7.0 | 12 | 62.2 | 0.061 |
| W843967 | | 1.9 | 7.2 | 13 | 64.2 | 0.108 |
| W843968 | | 1.9 | 7.3 | 14 | 65.7 | 0.050 |
| W843969 | | 2.0 | 7.2 | 15 | 60.6 | 0.118 |
| W843970 | | 2.3 | 7.1 | 15 | 68.4 | 0.065 |

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Project: Rau


**Finalized Date: 10-SEP-2020**
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# CERTIFICATE OF ANALYSIS WH20175558

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 10-SEP-2020**
**Account: RCM**

# CERTIFICATE WH20175558

Project: Rau

P.O. No.: R20-B06

This report is for 51 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 14-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843920 | | 2.56 | 0.08 | 5.87 | 367 | 1920 | 2.26 | 2.21 | 1.03 | 0.03 | 60.1 | 8.8 | 95 | 2.78 | 33.4 | 2.48 |
| W843921 | | 2.59 | 0.02 | 3.88 | 195.5 | 890 | 1.27 | 0.92 | 2.01 | 0.04 | 54.6 | 7.3 | 40 | 1.43 | 6.0 | 1.44 |
| W843922 | | 2.84 | 0.03 | 2.89 | 294 | 470 | 0.89 | 1.01 | 1.44 | 0.07 | 44.5 | 9.2 | 34 | 0.72 | 11.7 | 2.31 |
| W843923 | | 2.35 | 0.05 | 2.50 | 412 | 550 | 0.92 | 1.09 | 2.13 | 0.10 | 37.8 | 14.8 | 32 | 1.01 | 12.4 | 2.27 |
| W843924 | | 2.35 | 0.07 | 4.79 | 456 | 1500 | 1.93 | 2.00 | 0.58 | 0.03 | 69.8 | 5.3 | 51 | 2.44 | 6.8 | 2.37 |
| W843925 | | 2.45 | 0.06 | 3.70 | 232 | 1080 | 1.34 | 8.38 | 0.06 | <0.02 | 57.0 | 1.9 | 39 | 1.73 | 6.8 | 2.23 |
| W843926 | | 2.20 | 0.14 | 5.10 | 337 | 1610 | 1.95 | 10.75 | 0.09 | <0.02 | 64.4 | 2.6 | 56 | 2.41 | 4.6 | 3.43 |
| W843927 | | 2.35 | 0.09 | 3.20 | 327 | 840 | 1.15 | 32.7 | 0.08 | <0.02 | 22.8 | 2.5 | 49 | 1.30 | 2.1 | 2.18 |
| W843928 | | 2.27 | 0.10 | 3.43 | 410 | 940 | 1.30 | 7.90 | 0.26 | <0.02 | 32.3 | 5.5 | 57 | 1.70 | 6.2 | 2.39 |
| W843929 | | 2.40 | 0.27 | 4.36 | 313 | 1150 | 1.53 | 15.40 | 0.05 | <0.02 | 44.1 | 1.2 | 75 | 1.95 | 4.8 | 2.21 |
| W843930 | | 2.56 | 0.09 | 4.89 | 418 | 1390 | 1.80 | 14.00 | 0.21 | <0.02 | 44.5 | 0.8 | 76 | 2.47 | 5.8 | 1.94 |
| W843931 | | 2.51 | 0.28 | 5.61 | 294 | 1720 | 2.05 | 5.74 | 0.05 | <0.02 | 59.5 | 0.6 | 80 | 2.80 | 1.7 | 1.06 |
| W843932 | | 2.46 | 0.09 | 4.00 | 496 | 1100 | 1.44 | 6.52 | 0.09 | <0.02 | 52.0 | 0.9 | 54 | 1.91 | 2.4 | 1.74 |
| W843933 | | 2.12 | 0.09 | 5.85 | 672 | 1540 | 2.15 | 5.37 | 1.36 | 0.02 | 78.6 | 9.1 | 72 | 2.47 | 14.1 | 2.92 |
| W843934 | | 2.56 | 0.31 | 5.20 | 690 | 1400 | 2.07 | 8.10 | 1.64 | <0.02 | 64.0 | 14.5 | 85 | 2.27 | 16.5 | 3.13 |
| W843935 | | 2.86 | 0.46 | 4.13 | 918 | 110 | 1.51 | 25.6 | 1.96 | 0.07 | 43.5 | 23.1 | 60 | 1.81 | 14.4 | 7.51 |
| W843936 | | 2.59 | 0.52 | 2.48 | 1310 | 60 | 0.96 | 52.9 | 0.31 | 0.05 | 26.4 | 25.2 | 41 | 1.23 | 7.4 | 12.30 |
| W843937 | | 2.52 | 0.30 | 4.60 | 727 | 440 | 1.76 | 12.25 | 1.88 | 0.03 | 69.7 | 16.3 | 67 | 2.35 | 9.0 | 3.60 |
| W843938 | | 2.57 | 0.22 | 4.11 | 441 | 910 | 1.56 | 9.19 | 3.56 | 0.03 | 64.7 | 13.6 | 61 | 2.16 | 8.6 | 3.36 |
| W843939 | | 2.95 | 0.18 | 4.09 | 605 | 990 | 1.54 | 9.31 | 3.27 | 0.07 | 59.8 | 13.0 | 58 | 2.00 | 11.7 | 3.03 |
| W843940 | | 2.39 | 0.16 | 3.96 | 273 | 810 | 1.60 | 8.82 | 3.14 | 0.07 | 56.3 | 15.0 | 58 | 2.20 | 15.0 | 3.53 |
| W843941 | | 2.72 | 0.14 | 3.52 | 149.0 | 1050 | 1.36 | 6.88 | 3.71 | 0.08 | 46.9 | 12.8 | 50 | 1.86 | 23.3 | 3.21 |
| W843942 | | 2.89 | 0.23 | 4.03 | 124.5 | 930 | 1.68 | 9.57 | 3.52 | 0.08 | 52.4 | 14.9 | 57 | 2.25 | 40.9 | 3.02 |
| W843943 | | 2.53 | 0.11 | 4.67 | 336 | 910 | 1.71 | 3.05 | 4.12 | 0.07 | 53.0 | 19.2 | 87 | 2.49 | 67.4 | 2.89 |
| W843944 | | 2.67 | 0.08 | 3.21 | 128.0 | 1020 | 1.19 | 1.93 | 4.68 | 0.07 | 43.0 | 7.9 | 43 | 1.73 | 53.4 | 2.53 |
| W843945 | | 2.70 | 0.09 | 3.44 | 286 | 880 | 1.30 | 1.86 | 5.41 | 0.09 | 45.3 | 11.1 | 47 | 1.77 | 63.6 | 3.35 |
| W843946 | | 2.68 | 0.09 | 2.70 | 556 | 680 | 0.98 | 3.92 | 5.62 | 0.06 | 28.1 | 27.6 | 34 | 1.34 | 47.4 | 3.77 |
| W843947 | | 2.59 | 0.20 | 3.67 | 170.5 | 1240 | 1.30 | 3.08 | 5.69 | 0.14 | 38.9 | 11.0 | 48 | 1.86 | 20.7 | 2.70 |
| W843948 | | 2.15 | 0.07 | 4.42 | 132.5 | 1050 | 1.53 | 2.23 | 3.99 | 0.04 | 48.6 | 11.2 | 66 | 2.18 | 24.4 | 2.75 |
| W843949 | | 2.50 | 0.19 | 3.25 | 109.0 | 450 | 1.16 | 1.89 | 4.49 | 0.99 | 48.1 | 14.3 | 59 | 1.64 | 50.7 | 3.82 |
| W843950 | | 3.76 | 0.14 | 3.23 | 67.9 | 590 | 1.08 | 3.00 | 5.63 | 0.11 | 41.0 | 12.5 | 48 | 1.55 | 32.8 | 3.64 |
| W843951 | | 3.90 | 0.19 | 3.20 | 193.0 | 310 | 1.05 | 2.79 | 5.69 | 0.21 | 42.3 | 20.1 | 52 | 1.66 | 103.0 | 4.76 |
| W843952 | | 4.28 | 0.21 | 3.25 | 134.0 | 330 | 1.08 | 3.86 | 4.45 | 0.14 | 40.9 | 17.5 | 56 | 1.63 | 115.0 | 4.30 |
| W843953 | | 3.34 | 0.18 | 2.54 | 76.3 | 440 | 0.82 | 3.44 | 3.76 | 0.11 | 31.7 | 12.1 | 45 | 1.29 | 73.9 | 3.36 |
| W843954 | | 3.46 | 0.22 | 2.84 | 123.0 | 390 | 0.86 | 3.93 | 3.48 | 0.10 | 38.6 | 16.2 | 48 | 1.45 | 67.6 | 3.70 |
| W843955 | | 4.15 | 0.20 | 3.41 | 94.4 | 410 | 1.08 | 4.35 | 3.50 | 0.08 | 38.7 | 17.7 | 54 | 1.72 | 59.8 | 3.60 |
| W843956 | | 4.30 | 0.21 | 3.36 | 83.2 | 680 | 1.08 | 3.58 | 3.20 | 0.09 | 42.0 | 16.2 | 55 | 1.74 | 53.3 | 3.24 |
| W843957 | | 4.15 | 0.17 | 3.18 | 83.3 | 570 | 0.97 | 3.26 | 3.10 | 0.09 | 42.5 | 14.7 | 51 | 1.60 | 60.6 | 3.32 |
| W843958 | | 3.62 | 0.13 | 2.95 | 55.9 | 700 | 0.95 | 2.65 | 2.95 | 0.06 | 40.1 | 12.1 | 47 | 1.52 | 45.0 | 2.66 |
| W843959 | | 3.68 | 0.10 | 2.56 | 155.0 | 840 | 0.85 | 3.10 | 1.24 | 0.09 | 36.0 | 7.9 | 44 | 1.30 | 27.4 | 2.17 |

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

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**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843920 | | 16.45 | 0.10 | 2.1 | 0.043 | 2.78 | 35.9 | 12.0 | 0.49 | 486 | 8.15 | 0.07 | 9.1 | 51.1 | 3730 | 6.9 |
| W843921 | | 11.05 | 0.11 | 1.6 | 0.030 | 1.41 | 31.9 | 6.3 | 1.18 | 497 | 1.42 | 0.11 | 12.1 | 27.3 | 2030 | 2.1 |
| W843922 | | 8.18 | 0.08 | 1.9 | 0.021 | 0.84 | 26.1 | 3.5 | 0.85 | 594 | 1.52 | 0.11 | 16.3 | 22.5 | 2770 | 3.1 |
| W843923 | | 7.24 | 0.07 | 1.3 | 0.035 | 0.93 | 21.6 | 4.2 | 1.01 | 793 | 2.41 | 0.07 | 9.3 | 27.0 | 2070 | 4.9 |
| W843924 | | 15.50 | 0.13 | 2.5 | 0.058 | 2.31 | 38.9 | 9.9 | 0.39 | 290 | 1.83 | 0.05 | 14.8 | 17.5 | 2210 | 3.8 |
| W843925 | | 11.05 | 0.09 | 1.8 | 0.035 | 1.70 | 34.3 | 7.0 | 0.26 | 142 | 2.67 | 0.05 | 12.2 | 7.7 | 550 | 4.2 |
| W843926 | | 15.75 | 0.11 | 2.7 | 0.039 | 2.46 | 37.7 | 9.6 | 0.31 | 185 | 2.45 | 0.05 | 17.8 | 10.9 | 1080 | 2.4 |
| W843927 | | 9.97 | 0.07 | 1.9 | 0.025 | 1.37 | 13.7 | 4.8 | 0.28 | 105 | 6.81 | 0.07 | 13.8 | 8.3 | 1280 | 5.3 |
| W843928 | | 10.45 | 0.07 | 1.6 | 0.032 | 1.59 | 19.0 | 5.7 | 0.23 | 110 | 6.48 | 0.04 | 10.1 | 15.7 | 1950 | 5.9 |
| W843929 | | 13.50 | 0.08 | 1.8 | 0.029 | 2.03 | 26.0 | 6.8 | 0.28 | 99 | 16.20 | 0.05 | 8.9 | 4.1 | 530 | 12.0 |
| W843930 | | 15.50 | 0.08 | 1.9 | 0.035 | 2.34 | 26.2 | 8.2 | 0.30 | 62 | 9.46 | 0.05 | 8.8 | 4.3 | 2640 | 7.2 |
| W843931 | | 17.35 | 0.10 | 2.2 | 0.036 | 2.72 | 35.7 | 9.2 | 0.29 | 40 | 5.53 | 0.05 | 11.4 | 3.8 | 2260 | 5.8 |
| W843932 | | 12.25 | 0.10 | 2.2 | 0.037 | 1.91 | 30.2 | 6.3 | 0.23 | 45 | 5.28 | 0.04 | 14.8 | 3.7 | 2910 | 3.7 |
| W843933 | | 17.25 | 0.15 | 2.9 | 0.044 | 2.70 | 45.2 | 8.1 | 0.66 | 899 | 9.03 | 0.06 | 17.9 | 34.0 | 3660 | 5.2 |
| W843934 | | 15.45 | 0.14 | 2.2 | 0.037 | 2.42 | 36.8 | 7.7 | 0.79 | 623 | 16.60 | 0.06 | 10.6 | 62.0 | 3100 | 6.4 |
| W843935 | | 11.80 | 0.12 | 1.4 | 0.040 | 1.98 | 24.2 | 5.8 | 0.88 | 753 | 18.25 | 0.04 | 6.5 | 71.3 | 2600 | 10.5 |
| W843936 | | 7.56 | 0.09 | 1.3 | 0.045 | 1.10 | 14.1 | 4.0 | 0.27 | 240 | 5.06 | 0.04 | 6.5 | 51.5 | 830 | 20.1 |
| W843937 | | 14.65 | 0.11 | 2.8 | 0.037 | 2.09 | 37.8 | 7.8 | 1.04 | 646 | 8.61 | 0.07 | 21.7 | 39.3 | 1740 | 24.6 |
| W843938 | | 12.15 | 0.11 | 2.4 | 0.039 | 1.93 | 34.8 | 7.3 | 1.75 | 928 | 5.77 | 0.05 | 20.6 | 34.8 | 1580 | 15.2 |
| W843939 | | 12.10 | 0.10 | 2.3 | 0.037 | 1.95 | 32.6 | 7.7 | 1.57 | 830 | 6.61 | 0.05 | 19.7 | 31.5 | 1370 | 5.8 |
| W843940 | | 11.30 | 0.10 | 2.3 | 0.039 | 1.94 | 30.5 | 8.8 | 1.51 | 1040 | 7.00 | 0.04 | 18.5 | 40.3 | 1390 | 5.1 |
| W843941 | | 9.57 | 0.08 | 1.9 | 0.036 | 1.71 | 26.1 | 8.1 | 1.74 | 1010 | 6.20 | 0.03 | 15.4 | 39.5 | 1360 | 5.1 |
| W843942 | | 11.35 | 0.10 | 1.5 | 0.046 | 1.99 | 31.0 | 9.1 | 1.57 | 742 | 21.1 | 0.04 | 10.6 | 76.9 | 2890 | 7.2 |
| W843943 | | 13.75 | 0.14 | 1.9 | 0.042 | 2.24 | 31.1 | 9.5 | 1.72 | 645 | 25.6 | 0.05 | 8.7 | 64.8 | 3960 | 5.9 |
| W843944 | | 9.04 | 0.09 | 1.9 | 0.027 | 1.48 | 24.8 | 6.8 | 2.18 | 789 | 4.66 | 0.05 | 12.8 | 36.5 | 2240 | 7.2 |
| W843945 | | 9.58 | 0.09 | 1.6 | 0.038 | 1.61 | 25.9 | 6.9 | 2.45 | 1130 | 7.54 | 0.04 | 9.5 | 40.8 | 2470 | 5.7 |
| W843946 | | 7.62 | 0.08 | 1.0 | 0.031 | 1.27 | 16.7 | 5.6 | 2.60 | 1160 | 11.55 | 0.03 | 3.7 | 51.2 | 1610 | 6.1 |
| W843947 | | 10.05 | 0.09 | 1.4 | 0.032 | 1.73 | 22.7 | 7.7 | 2.73 | 968 | 6.00 | 0.05 | 5.9 | 36.7 | 1850 | 10.2 |
| W843948 | | 13.15 | 0.12 | 2.3 | 0.036 | 2.09 | 27.8 | 10.0 | 1.90 | 908 | 3.49 | 0.05 | 17.4 | 43.5 | 1640 | 3.3 |
| W843949 | | 8.80 | 0.11 | 1.5 | 0.039 | 1.52 | 27.0 | 6.8 | 1.95 | 1240 | 19.10 | 0.04 | 8.4 | 63.9 | 2610 | 70.4 |
| W843950 | | 8.80 | 0.09 | 1.6 | 0.034 | 1.49 | 22.0 | 7.1 | 2.46 | 1360 | 4.77 | 0.05 | 11.3 | 34.0 | 1980 | 12.8 |
| W843951 | | 9.12 | 0.09 | 1.8 | 0.044 | 1.47 | 22.7 | 6.2 | 2.34 | 1510 | 7.97 | 0.05 | 12.1 | 47.6 | 2050 | 20.4 |
| W843952 | | 8.84 | 0.09 | 1.6 | 0.036 | 1.49 | 21.9 | 6.9 | 1.82 | 1060 | 7.56 | 0.05 | 12.3 | 51.8 | 2700 | 16.6 |
| W843953 | | 6.98 | 0.08 | 1.1 | 0.028 | 1.17 | 18.1 | 5.9 | 1.44 | 807 | 5.07 | 0.04 | 8.9 | 36.9 | 3050 | 11.0 |
| W843954 | | 7.62 | 0.09 | 1.4 | 0.028 | 1.31 | 20.9 | 6.4 | 1.37 | 789 | 6.02 | 0.05 | 10.6 | 43.7 | 2780 | 12.7 |
| W843955 | | 9.19 | 0.11 | 1.8 | 0.034 | 1.55 | 21.8 | 8.1 | 1.46 | 796 | 6.95 | 0.06 | 14.5 | 50.0 | 2270 | 9.6 |
| W843956 | | 9.20 | 0.10 | 1.8 | 0.034 | 1.53 | 23.5 | 7.7 | 1.34 | 770 | 5.85 | 0.06 | 15.8 | 45.3 | 2100 | 9.3 |
| W843957 | | 8.46 | 0.10 | 1.7 | 0.031 | 1.44 | 23.7 | 6.7 | 1.32 | 810 | 5.87 | 0.05 | 13.5 | 40.2 | 1820 | 7.8 |
| W843958 | | 8.03 | 0.09 | 1.5 | 0.032 | 1.33 | 21.8 | 6.4 | 1.28 | 782 | 4.68 | 0.05 | 13.2 | 31.7 | 1530 | 5.3 |
| W843959 | | 7.36 | 0.09 | 1.2 | 0.023 | 1.15 | 20.6 | 4.5 | 0.52 | 294 | 5.83 | 0.04 | 8.6 | 19.1 | 1780 | 6.6 |

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

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843920 | | 111.0 | 0.002 | 0.05 | 1.58 | 9.7 | 2 | 17.4 | 55.5 | 0.51 | 0.10 | 10.30 | 0.242 | 0.65 | 6.2 | 729 |
| W843921 | | 60.6 | <0.002 | 0.01 | 1.22 | 7.8 | 1 | 10.2 | 63.2 | 0.70 | <0.05 | 7.91 | 0.204 | 0.42 | 2.6 | 211 |
| W843922 | | 34.6 | <0.002 | 0.02 | 2.80 | 5.5 | 1 | 7.9 | 54.1 | 0.88 | <0.05 | 7.55 | 0.208 | 0.30 | 5.8 | 157 |
| W843923 | | 39.6 | <0.002 | 0.03 | 1.46 | 5.0 | 1 | 9.2 | 41.8 | 0.50 | <0.05 | 6.00 | 0.144 | 0.31 | 3.2 | 136 |
| W843924 | | 94.1 | <0.002 | 0.03 | 8.46 | 10.7 | 1 | 17.9 | 53.9 | 0.87 | 0.06 | 10.85 | 0.254 | 0.69 | 3.7 | 167 |
| W843925 | | 68.9 | <0.002 | 0.17 | 8.81 | 7.5 | 1 | 13.3 | 68.1 | 0.69 | 0.06 | 6.12 | 0.231 | 0.71 | 2.3 | 128 |
| W843926 | | 99.7 | <0.002 | 0.14 | 5.94 | 11.7 | 1 | 18.7 | 53.1 | 1.06 | <0.05 | 8.47 | 0.341 | 1.02 | 3.7 | 223 |
| W843927 | | 56.3 | <0.002 | 0.24 | 9.25 | 7.2 | 1 | 18.7 | 56.5 | 0.79 | 0.08 | 6.10 | 0.250 | 0.99 | 2.6 | 191 |
| W843928 | | 65.2 | <0.002 | 0.11 | 12.95 | 7.3 | 1 | 18.7 | 53.3 | 0.56 | 0.06 | 5.65 | 0.205 | 0.90 | 3.8 | 244 |
| W843929 | | 83.6 | 0.002 | 0.14 | 13.75 | 7.2 | 2 | 23.6 | 39.9 | 0.46 | 0.14 | 4.68 | 0.187 | 1.77 | 2.4 | 456 |
| W843930 | | 98.6 | 0.002 | 0.10 | 7.26 | 8.5 | 2 | 23.9 | 61.4 | 0.49 | 0.06 | 9.67 | 0.212 | 1.66 | 5.8 | 592 |
| W843931 | | 113.0 | 0.002 | 0.02 | 4.85 | 9.3 | 3 | 21.2 | 19.7 | 0.65 | 0.13 | 5.87 | 0.269 | 0.76 | 3.4 | 667 |
| W843932 | | 78.6 | <0.002 | 0.04 | 5.06 | 7.7 | 2 | 16.8 | 31.2 | 0.84 | 0.08 | 9.89 | 0.227 | 0.84 | 3.6 | 272 |
| W843933 | | 110.0 | 0.003 | 0.07 | 3.11 | 11.0 | 3 | 20.7 | 53.0 | 1.04 | 0.12 | 12.70 | 0.314 | 0.73 | 5.6 | 345 |
| W843934 | | 99.5 | 0.030 | 0.41 | 3.97 | 9.7 | 11 | 20.6 | 48.7 | 0.56 | 0.17 | 11.05 | 0.226 | 0.67 | 7.8 | 540 |
| W843935 | | 81.9 | 0.025 | 3.85 | 3.58 | 7.5 | 8 | 15.5 | 46.5 | 0.35 | 0.24 | 7.22 | 0.144 | 0.57 | 5.9 | 347 |
| W843936 | | 46.3 | 0.006 | >10.0 | 2.23 | 5.8 | 4 | 10.0 | 14.2 | 0.34 | 0.20 | 3.49 | 0.120 | 0.26 | 3.1 | 111 |
| W843937 | | 91.4 | 0.009 | 1.93 | 2.37 | 11.1 | 3 | 23.0 | 40.1 | 1.15 | 0.17 | 9.03 | 0.367 | 0.51 | 3.6 | 187 |
| W843938 | | 83.6 | 0.006 | 1.76 | 2.23 | 9.4 | 3 | 16.1 | 58.0 | 1.09 | 0.14 | 7.79 | 0.349 | 0.46 | 3.2 | 156 |
| W843939 | | 83.7 | 0.007 | 1.68 | 1.63 | 9.1 | 3 | 15.3 | 62.6 | 1.05 | 0.10 | 7.16 | 0.351 | 0.45 | 3.4 | 162 |
| W843940 | | 82.4 | 0.009 | 1.81 | 1.46 | 9.1 | 3 | 12.6 | 68.4 | 0.96 | 0.07 | 6.86 | 0.330 | 0.46 | 5.2 | 153 |
| W843941 | | 72.4 | 0.020 | 1.31 | 1.25 | 7.5 | 2 | 10.1 | 83.4 | 0.84 | 0.06 | 5.95 | 0.278 | 0.41 | 4.4 | 135 |
| W843942 | | 83.7 | 0.058 | 1.58 | 1.85 | 7.3 | 5 | 10.0 | 122.0 | 0.60 | 0.23 | 7.20 | 0.200 | 0.54 | 11.3 | 417 |
| W843943 | | 96.0 | 0.106 | 1.30 | 1.10 | 7.5 | 6 | 11.1 | 138.5 | 0.49 | 0.14 | 9.08 | 0.203 | 0.56 | 18.9 | 565 |
| W843944 | | 61.4 | 0.017 | 0.81 | 0.88 | 6.2 | 2 | 7.8 | 146.5 | 0.73 | 0.08 | 6.34 | 0.192 | 0.39 | 4.9 | 206 |
| W843945 | | 69.7 | 0.018 | 1.29 | 0.92 | 6.3 | 3 | 9.5 | 143.5 | 0.55 | 0.07 | 6.86 | 0.169 | 0.40 | 5.5 | 172 |
| W843946 | | 54.3 | 0.039 | 1.88 | 1.17 | 4.8 | 3 | 7.2 | 142.0 | 0.22 | 0.18 | 4.96 | 0.100 | 0.31 | 7.6 | 136 |
| W843947 | | 71.4 | 0.036 | 1.08 | 1.02 | 6.4 | 3 | 8.5 | 202 | 0.35 | 0.13 | 7.11 | 0.154 | 0.43 | 5.1 | 204 |
| W843948 | | 87.6 | 0.029 | 1.26 | 0.89 | 10.5 | 3 | 10.5 | 97.2 | 1.01 | 0.10 | 6.32 | 0.359 | 0.49 | 6.3 | 201 |
| W843949 | | 65.7 | 0.037 | 1.78 | 1.66 | 6.5 | 5 | 7.5 | 116.0 | 0.47 | 0.13 | 5.79 | 0.168 | 0.41 | 10.0 | 250 |
| W843950 | | 62.9 | 0.021 | 1.60 | 1.14 | 7.6 | 2 | 5.0 | 123.0 | 0.62 | 0.11 | 5.18 | 0.240 | 0.37 | 3.7 | 131 |
| W843951 | | 62.8 | 0.021 | 2.15 | 1.96 | 6.7 | 3 | 4.5 | 118.5 | 0.69 | 0.13 | 5.31 | 0.203 | 0.43 | 5.3 | 188 |
| W843952 | | 60.4 | 0.024 | 2.36 | 2.02 | 7.2 | 3 | 3.3 | 102.0 | 0.72 | 0.11 | 5.11 | 0.227 | 0.41 | 5.3 | 176 |
| W843953 | | 48.2 | 0.012 | 1.81 | 2.48 | 5.8 | 3 | 2.6 | 89.9 | 0.50 | 0.07 | 3.32 | 0.171 | 0.34 | 3.6 | 141 |
| W843954 | | 53.2 | 0.012 | 2.25 | 2.94 | 6.5 | 3 | 2.8 | 80.8 | 0.61 | 0.11 | 3.97 | 0.202 | 0.40 | 4.0 | 153 |
| W843955 | | 63.5 | 0.012 | 2.30 | 3.11 | 7.6 | 3 | 2.9 | 84.4 | 0.80 | 0.13 | 4.75 | 0.257 | 0.45 | 4.0 | 164 |
| W843956 | | 63.4 | 0.011 | 1.94 | 3.44 | 7.7 | 3 | 3.0 | 82.9 | 0.85 | 0.12 | 5.20 | 0.265 | 0.42 | 4.2 | 154 |
| W843957 | | 58.3 | 0.010 | 1.85 | 4.08 | 7.4 | 3 | 3.0 | 72.9 | 0.75 | 0.13 | 4.66 | 0.248 | 0.41 | 3.8 | 154 |
| W843958 | | 55.1 | 0.007 | 1.45 | 3.72 | 6.8 | 2 | 3.2 | 68.4 | 0.74 | 0.10 | 4.72 | 0.228 | 0.38 | 3.3 | 124 |
| W843959 | | 48.0 | 0.007 | 1.10 | 5.45 | 5.4 | 2 | 6.0 | 44.7 | 0.46 | 0.09 | 3.69 | 0.163 | 0.43 | 3.4 | 181 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W843920 | | 5.0 | 14.7 | 22 | 83.1 | 0.025 |
| W843921 | | 2.9 | 13.0 | 9 | 59.7 | 0.009 |
| W843922 | | 3.2 | 14.5 | 14 | 83.1 | 0.009 |
| W843923 | | 4.1 | 12.3 | 16 | 53.8 | 0.031 |
| W843924 | | 4.1 | 9.9 | 15 | 106.0 | 0.020 |
| W843925 | | 4.0 | 5.6 | 13 | 78.2 | 0.029 |
| W843926 | | 4.7 | 9.1 | 11 | 106.5 | 0.085 |
| W843927 | | 5.3 | 4.1 | 10 | 81.5 | 0.058 |
| W843928 | | 4.0 | 5.6 | 11 | 74.8 | 0.158 |
| W843929 | | 4.8 | 4.4 | 10 | 86.3 | 0.759 |
| W843930 | | 5.3 | 7.2 | 8 | 80.6 | 0.432 |
| W843931 | | 6.2 | 6.2 | 6 | 92.9 | 0.095 |
| W843932 | | 4.6 | 6.8 | 6 | 91.3 | 0.083 |
| W843933 | | 6.0 | 18.0 | 16 | 114.5 | 0.088 |
| W843934 | | 5.2 | 16.2 | 16 | 87.8 | 0.100 |
| W843935 | | 4.1 | 12.4 | 17 | 59.0 | 0.383 |
| W843936 | | 4.5 | 7.8 | 14 | 51.6 | 1.630 |
| W843937 | | 7.2 | 11.9 | 15 | 110.0 | 0.354 |
| W843938 | | 6.0 | 11.9 | 15 | 100.5 | 0.168 |
| W843939 | | 5.2 | 10.1 | 12 | 98.2 | 0.233 |
| W843940 | | 4.4 | 10.1 | 14 | 95.2 | 0.145 |
| W843941 | | 3.8 | 9.3 | 14 | 81.8 | 0.109 |
| W843942 | | 3.7 | 14.3 | 16 | 63.3 | 0.099 |
| W843943 | | 4.4 | 14.1 | 15 | 72.9 | 0.072 |
| W843944 | | 3.3 | 13.1 | 13 | 77.4 | 0.024 |
| W843945 | | 4.0 | 12.4 | 16 | 66.4 | 0.067 |
| W843946 | | 2.8 | 9.2 | 13 | 37.3 | 0.056 |
| W843947 | | 3.2 | 10.9 | 22 | 55.4 | 0.117 |
| W843948 | | 4.3 | 12.5 | 10 | 88.4 | 0.063 |
| W843949 | | 5.6 | 13.6 | 117 | 62.1 | 0.138 |
| W843950 | | 3.0 | 10.7 | 21 | 68.0 | 0.074 |
| W843951 | | 2.1 | 10.2 | 28 | 73.3 | 0.053 |
| W843952 | | 1.9 | 10.9 | 23 | 65.1 | 0.045 |
| W843953 | | 1.5 | 10.3 | 18 | 45.6 | 0.029 |
| W843954 | | 1.5 | 10.6 | 18 | 53.8 | 0.051 |
| W843955 | | 1.6 | 10.9 | 15 | 70.4 | 0.066 |
| W843956 | | 1.7 | 11.2 | 16 | 79.0 | 0.093 |
| W843957 | | 1.7 | 9.9 | 16 | 68.0 | 0.054 |
| W843958 | | 1.6 | 9.3 | 13 | 65.2 | 0.071 |
| W843959 | | 1.9 | 13.0 | 18 | 52.8 | 0.063 |

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

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**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843960 | | 3.44 | 0.11 | 2.90 | 123.5 | 820 | 0.97 | 3.20 | 1.77 | 0.07 | 40.0 | 10.9 | 49 | 1.56 | 38.5 | 2.48 |
| W843961 | | 4.35 | 0.09 | 2.62 | 168.5 | 830 | 0.89 | 5.90 | 0.84 | 0.04 | 36.4 | 5.2 | 40 | 1.39 | 24.8 | 1.86 |
| W843962 | | 3.60 | 0.10 | 2.84 | 115.5 | 910 | 0.92 | 10.15 | 0.93 | 0.03 | 41.3 | 4.4 | 42 | 1.44 | 20.9 | 1.74 |
| W843963 | | 3.23 | 0.11 | 2.73 | 119.0 | 890 | 0.91 | 8.10 | 1.03 | 0.05 | 39.3 | 6.8 | 41 | 1.42 | 27.8 | 2.05 |
| W843964 | | 4.52 | 0.09 | 2.83 | 107.0 | 920 | 0.98 | 7.09 | 1.09 | 0.05 | 42.9 | 6.2 | 42 | 1.48 | 24.1 | 1.78 |
| W843965 | | 3.75 | 0.10 | 2.71 | 156.0 | 860 | 0.90 | 8.31 | 0.92 | 0.04 | 41.0 | 6.8 | 40 | 1.35 | 26.2 | 1.88 |
| W843966 | | 3.93 | 0.07 | 2.78 | 115.5 | 950 | 0.98 | 4.37 | 1.17 | 0.05 | 38.6 | 5.8 | 41 | 1.50 | 21.5 | 1.69 |
| W843967 | | 4.21 | 0.08 | 2.91 | 108.5 | 1010 | 0.99 | 4.06 | 1.28 | 0.06 | 40.6 | 6.3 | 45 | 1.56 | 21.7 | 1.81 |
| W843968 | | 4.65 | 0.09 | 2.95 | 129.5 | 1020 | 0.99 | 4.95 | 1.38 | 0.06 | 40.0 | 8.2 | 44 | 1.54 | 28.4 | 2.16 |
| W843969 | | 4.51 | 0.08 | 3.05 | 131.0 | 990 | 0.98 | 4.89 | 1.42 | 0.06 | 39.5 | 8.5 | 45 | 1.50 | 28.7 | 2.24 |
| W843970 | | 4.25 | 0.10 | 3.27 | 137.0 | 1090 | 1.13 | 5.01 | 1.27 | 0.06 | 45.3 | 7.6 | 46 | 1.73 | 27.1 | 2.00 |

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

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**Finalized Date: 10-SEP-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843960 | | 8.03 | 0.10 | 1.4 | 0.026 | 1.33 | 22.5 | 5.4 | 0.78 | 427 | 5.90 | 0.04 | 10.7 | 29.3 | 1670 | 5.9 |
| W843961 | | 7.48 | 0.10 | 1.2 | 0.023 | 1.18 | 20.2 | 4.4 | 0.43 | 232 | 6.79 | 0.03 | 8.3 | 16.0 | 1160 | 5.0 |
| W843962 | | 7.93 | 0.10 | 1.3 | 0.025 | 1.30 | 23.4 | 4.6 | 0.51 | 248 | 6.59 | 0.04 | 9.4 | 13.7 | 850 | 4.6 |
| W843963 | | 7.80 | 0.10 | 1.3 | 0.025 | 1.26 | 22.3 | 4.7 | 0.52 | 258 | 6.43 | 0.03 | 9.6 | 19.8 | 1040 | 5.3 |
| W843964 | | 8.22 | 0.11 | 1.4 | 0.028 | 1.29 | 24.3 | 5.0 | 0.54 | 268 | 6.27 | 0.04 | 11.3 | 18.7 | 1080 | 4.5 |
| W843965 | | 7.84 | 0.11 | 1.3 | 0.024 | 1.24 | 23.1 | 4.5 | 0.48 | 256 | 5.99 | 0.03 | 10.2 | 18.4 | 920 | 4.8 |
| W843966 | | 7.99 | 0.11 | 1.4 | 0.023 | 1.28 | 21.8 | 5.0 | 0.61 | 308 | 5.32 | 0.03 | 12.0 | 18.5 | 1040 | 4.5 |
| W843967 | | 8.18 | 0.11 | 1.5 | 0.026 | 1.35 | 22.7 | 5.3 | 0.66 | 331 | 5.17 | 0.04 | 11.9 | 19.3 | 1240 | 4.4 |
| W843968 | | 8.08 | 0.12 | 1.5 | 0.027 | 1.37 | 22.2 | 5.2 | 0.71 | 357 | 5.34 | 0.04 | 11.8 | 23.8 | 1280 | 5.2 |
| W843969 | | 7.78 | 0.11 | 1.4 | 0.023 | 1.40 | 22.2 | 5.0 | 0.73 | 359 | 4.96 | 0.04 | 12.1 | 24.6 | 1330 | 4.6 |
| W843970 | | 9.27 | 0.13 | 1.5 | 0.028 | 1.51 | 25.3 | 5.6 | 0.68 | 327 | 5.33 | 0.04 | 14.3 | 24.0 | 1110 | 4.9 |

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

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**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843960 | | 54.7 | 0.010 | 1.35 | 5.37 | 6.4 | 2 | 5.5 | 51.8 | 0.60 | 0.09 | 4.39 | 0.210 | 0.45 | 3.6 | 169 |
| W843961 | | 49.2 | 0.007 | 0.62 | 6.01 | 5.3 | 2 | 7.5 | 39.3 | 0.46 | 0.10 | 3.69 | 0.165 | 0.59 | 3.0 | 200 |
| W843962 | | 53.4 | 0.007 | 0.58 | 5.24 | 5.3 | 2 | 8.4 | 48.1 | 0.53 | 0.07 | 4.07 | 0.190 | 0.78 | 3.1 | 208 |
| W843963 | | 51.1 | 0.008 | 1.00 | 5.56 | 5.4 | 2 | 7.5 | 41.1 | 0.54 | 0.08 | 3.79 | 0.187 | 0.68 | 3.2 | 186 |
| W843964 | | 54.4 | 0.008 | 0.81 | 4.71 | 6.0 | 2 | 7.9 | 40.5 | 0.62 | 0.09 | 4.28 | 0.204 | 0.62 | 3.4 | 182 |
| W843965 | | 50.6 | 0.007 | 0.92 | 5.19 | 5.5 | 2 | 8.0 | 37.4 | 0.55 | 0.07 | 4.06 | 0.199 | 0.69 | 3.1 | 180 |
| W843966 | | 53.6 | 0.010 | 0.74 | 3.57 | 6.2 | 1 | 7.0 | 38.2 | 0.65 | 0.07 | 3.86 | 0.215 | 0.51 | 3.5 | 160 |
| W843967 | | 56.9 | 0.010 | 0.81 | 3.91 | 6.3 | 2 | 6.9 | 40.6 | 0.65 | 0.07 | 3.98 | 0.222 | 0.49 | 3.7 | 160 |
| W843968 | | 56.2 | 0.011 | 1.14 | 4.13 | 6.3 | 2 | 7.0 | 42.4 | 0.67 | 0.08 | 4.00 | 0.224 | 0.53 | 3.8 | 160 |
| W843969 | | 53.8 | 0.010 | 1.26 | 3.90 | 6.0 | 2 | 6.9 | 40.1 | 0.67 | 0.08 | 4.10 | 0.235 | 0.50 | 3.8 | 162 |
| W843970 | | 62.8 | 0.009 | 0.96 | 4.87 | 7.1 | 2 | 9.1 | 39.7 | 0.74 | 0.08 | 4.45 | 0.260 | 0.57 | 3.6 | 168 |

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

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Project: Rau

# CERTIFICATE OF ANALYSIS WH20175558

| Sample Description | Method Analyte Units LOD | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 | Au-AA24 Au ppm 0.005 |
|---|---|---|---|---|---|---|
| W843960 | | 1.9 | 8.7 | 15 | 61.5 | 0.091 |
| W843961 | | 2.0 | 6.0 | 12 | 57.6 | 0.083 |
| W843962 | | 2.2 | 6.0 | 10 | 66.8 | 0.121 |
| W843963 | | 2.1 | 6.2 | 12 | 59.7 | 0.139 |
| W843964 | | 2.3 | 6.9 | 12 | 65.1 | 0.086 |
| W843965 | | 2.3 | 6.5 | 12 | 60.6 | 0.124 |
| W843966 | | 2.0 | 7.0 | 12 | 62.2 | 0.061 |
| W843967 | | 1.9 | 7.2 | 13 | 64.2 | 0.108 |
| W843968 | | 1.9 | 7.3 | 14 | 65.7 | 0.050 |
| W843969 | | 2.0 | 7.2 | 15 | 60.6 | 0.118 |
| W843970 | | 2.3 | 7.1 | 15 | 68.4 | 0.065 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

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

Project: Rau


**Finalized Date: 10-SEP-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20175558

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 30-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20197169

Project: Rau

P.O. No.: R20-B07

This report is for 75 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 7-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 30-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197169

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W843971 | | 2.15 | 0.15 | 4.22 | 60.8 | 1030 | 1.53 | 11.55 | 1.26 | 0.05 | 49.7 | 20.6 | 60 | 2.88 | 14.8 | 3.02 |
| W843972 | | 2.04 | 0.19 | 4.52 | 66.5 | 1120 | 1.65 | 11.45 | 1.35 | 0.04 | 58.7 | 15.8 | 65 | 3.42 | 17.7 | 3.30 |
| W843973 | | 2.23 | 0.17 | 4.88 | 92.3 | 1220 | 1.72 | 8.34 | 0.86 | 0.03 | 64.1 | 11.5 | 67 | 3.53 | 31.4 | 3.45 |
| W843974 | | 2.62 | 0.08 | 4.56 | 62.2 | 1110 | 1.31 | 3.07 | 2.26 | 0.07 | 55.2 | 23.5 | 71 | 3.18 | 70.2 | 3.99 |
| W843975 | | 2.24 | 0.12 | 4.41 | 43.8 | 1090 | 1.26 | 1.85 | 2.96 | 0.08 | 62.0 | 16.3 | 77 | 2.62 | 106.0 | 4.52 |
| W843976 | | 2.34 | 0.11 | 4.17 | 43.2 | 490 | 1.32 | 2.11 | 1.68 | 0.09 | 48.4 | 15.3 | 61 | 2.61 | 72.4 | 3.68 |
| W843977 | | 2.65 | 0.20 | 3.70 | 43.3 | 380 | 1.12 | 2.55 | 2.55 | 0.06 | 46.7 | 13.2 | 55 | 2.32 | 88.7 | 3.94 |
| W843978 | | 3.34 | 0.09 | 3.98 | 50.2 | 550 | 1.28 | 1.85 | 3.51 | 0.10 | 51.0 | 13.1 | 57 | 2.65 | 71.2 | 4.21 |
| W843979 | | 3.43 | 0.09 | 3.74 | 56.5 | 520 | 1.25 | 2.45 | 3.05 | 0.09 | 48.8 | 12.9 | 52 | 2.50 | 62.7 | 3.38 |
| W843980 | | 3.30 | 0.13 | 3.33 | 89.7 | 210 | 1.00 | 4.23 | 3.33 | 0.14 | 50.2 | 13.6 | 46 | 2.23 | 27.1 | 3.91 |
| W843981 | | 3.38 | 0.18 | 3.31 | 119.0 | 80 | 1.16 | 4.08 | 3.62 | 0.17 | 44.3 | 14.9 | 47 | 2.18 | 33.1 | 5.84 |
| W843982 | | 2.53 | 0.11 | 4.51 | 123.0 | 240 | 1.41 | 2.83 | 3.58 | 0.11 | 63.6 | 15.1 | 58 | 3.21 | 63.9 | 3.94 |
| W843983 | | 3.56 | 0.11 | 4.06 | 65.4 | 140 | 1.20 | 4.32 | 4.35 | 0.10 | 65.6 | 15.9 | 61 | 2.88 | 38.3 | 4.13 |
| W843984 | | 3.47 | 0.09 | 4.27 | 61.4 | 290 | 1.30 | 3.51 | 4.35 | 0.12 | 61.3 | 15.5 | 68 | 2.96 | 21.2 | 3.74 |
| W843985 | | 2.96 | 0.22 | 3.43 | 174.0 | 90 | 0.97 | 2.96 | 4.36 | 0.12 | 49.2 | 27.7 | 52 | 2.27 | 72.3 | 5.41 |
| W843986 | | 3.44 | 0.15 | 3.34 | 221 | 40 | 0.81 | 4.34 | 8.04 | 0.16 | 46.1 | 31.9 | 48 | 2.09 | 88.6 | 8.10 |
| W843987 | | 3.30 | 0.10 | 5.00 | 99.6 | 60 | 1.29 | 2.50 | 4.08 | 0.13 | 63.5 | 23.9 | 81 | 3.28 | 68.0 | 6.54 |
| W843988 | | 3.65 | 0.09 | 4.88 | 48.6 | 120 | 1.32 | 1.52 | 3.94 | 0.11 | 63.5 | 19.9 | 74 | 3.53 | 69.3 | 5.18 |
| W843989 | | 3.34 | 0.06 | 5.54 | 24.6 | 1000 | 1.48 | 0.94 | 4.16 | 0.10 | 90.2 | 9.9 | 55 | 3.77 | 41.2 | 3.76 |
| W843990 | | 3.06 | 0.10 | 5.19 | 23.6 | 180 | 1.42 | 1.58 | 4.15 | 0.14 | 68.4 | 17.3 | 80 | 3.57 | 60.9 | 5.00 |
| W843991 | | 3.11 | 0.08 | 4.75 | 29.4 | 340 | 1.25 | 1.59 | 4.80 | 0.17 | 64.7 | 14.0 | 75 | 3.16 | 47.6 | 4.82 |
| W843992 | | 3.55 | 0.08 | 4.65 | 23.0 | 330 | 1.24 | 1.45 | 4.69 | 0.14 | 70.8 | 14.4 | 76 | 3.07 | 50.5 | 4.51 |
| W843993 | | 3.33 | 0.07 | 4.66 | 33.7 | 160 | 1.33 | 1.65 | 3.70 | 0.13 | 70.2 | 24.5 | 71 | 3.19 | 52.5 | 5.55 |
| W843994 | | 3.45 | 0.07 | 5.60 | 38.4 | 350 | 1.63 | 0.84 | 3.34 | 0.15 | 89.5 | 22.6 | 57 | 5.57 | 46.8 | 5.68 |
| W843995 | | 3.76 | 0.06 | 5.94 | 31.8 | 1040 | 1.88 | 1.04 | 2.23 | 0.11 | 95.2 | 13.0 | 54 | 6.86 | 27.8 | 4.89 |
| W843996 | | 3.84 | 0.07 | 6.29 | 41.2 | 500 | 1.75 | 1.03 | 1.49 | 0.08 | 114.0 | 15.3 | 50 | 6.71 | 33.0 | 5.73 |
| W843997 | | 3.88 | 0.09 | 5.64 | 32.9 | 570 | 1.71 | 1.16 | 1.60 | 0.24 | 91.0 | 14.4 | 48 | 5.02 | 33.0 | 5.78 |
| W843998 | | 3.10 | 0.09 | 6.33 | 47.4 | 360 | 1.82 | 1.22 | 1.58 | 0.15 | 107.5 | 16.5 | 50 | 5.62 | 37.0 | 5.84 |
| W843999 | | 3.96 | 0.10 | 6.30 | 191.5 | 530 | 1.90 | 1.01 | 2.86 | 0.51 | 117.5 | 17.4 | 52 | 6.10 | 44.4 | 5.78 |
| W844000 | | 3.70 | 0.06 | 5.87 | 67.9 | 1200 | 1.71 | 1.51 | 2.06 | 0.21 | 90.6 | 12.1 | 55 | 5.09 | 24.9 | 4.47 |
| W844001 | | 3.45 | 0.08 | 6.00 | 55.7 | 1040 | 1.83 | 1.90 | 1.56 | 0.11 | 90.2 | 16.1 | 56 | 5.02 | 32.1 | 4.99 |
| W844002 | | 3.49 | 0.06 | 6.16 | 32.0 | 990 | 1.94 | 1.33 | 1.68 | 0.12 | 91.8 | 14.0 | 53 | 5.65 | 32.1 | 4.74 |
| W844003 | | 3.42 | 0.07 | 5.24 | 51.9 | 660 | 1.73 | 1.85 | 1.90 | 0.11 | 77.5 | 15.6 | 55 | 4.65 | 37.7 | 4.31 |
| W844004 | | 3.80 | 0.09 | 6.00 | 142.0 | 1500 | 2.01 | 0.83 | 2.30 | 0.15 | 69.3 | 18.0 | 85 | 4.16 | 34.5 | 4.36 |
| W844005 | | 3.56 | 0.11 | 3.44 | 98.7 | 800 | 1.14 | 1.30 | 5.53 | 0.12 | 61.0 | 22.1 | 86 | 2.20 | 52.4 | 6.13 |
| W844006 | | 4.13 | 0.08 | 7.03 | 100.5 | 1720 | 2.32 | 1.19 | 2.39 | 0.09 | 80.7 | 25.0 | 113 | 4.92 | 50.1 | 4.64 |
| W844007 | | 4.11 | 0.07 | 3.82 | 53.9 | 880 | 1.25 | 0.89 | 3.62 | 0.27 | 50.2 | 16.9 | 81 | 2.48 | 33.4 | 5.23 |
| W844008 | | 3.99 | 0.08 | 4.18 | 62.1 | 1000 | 1.42 | 1.02 | 3.74 | 0.26 | 61.2 | 22.4 | 88 | 2.86 | 37.9 | 6.04 |
| W844009 | | 3.88 | 0.08 | 5.56 | 72.0 | 1270 | 1.80 | 1.26 | 3.83 | 0.09 | 81.8 | 26.2 | 100 | 3.88 | 33.8 | 4.83 |
| W844010 | | 3.51 | 0.09 | 3.98 | 54.5 | 500 | 1.17 | 0.96 | 5.62 | 0.10 | 70.3 | 20.0 | 76 | 2.71 | 35.9 | 4.83 |

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**Finalized Date: 30-OCT-2020**
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| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W843971 | | 11.55 | 0.09 | 2.3 | 0.029 | 1.98 | 26.9 | 9.6 | 0.69 | 731 | 5.77 | 0.05 | 19.3 | 44.6 | 1260 | 4.6 |
| W843972 | | 12.05 | 0.10 | 2.6 | 0.034 | 2.21 | 31.9 | 10.1 | 0.67 | 780 | 6.70 | 0.03 | 21.2 | 42.5 | 1440 | 4.4 |
| W843973 | | 13.05 | 0.10 | 2.8 | 0.037 | 2.37 | 34.5 | 10.5 | 0.47 | 437 | 6.72 | 0.04 | 22.4 | 29.8 | 1760 | 4.9 |
| W843974 | | 12.15 | 0.11 | 2.6 | 0.039 | 2.18 | 29.6 | 9.4 | 0.80 | 988 | 7.37 | 0.04 | 23.2 | 52.0 | 1710 | 2.6 |
| W843975 | | 11.30 | 0.12 | 2.5 | 0.031 | 2.13 | 33.4 | 8.3 | 1.01 | 822 | 4.58 | 0.03 | 23.5 | 51.6 | 1550 | 2.7 |
| W843976 | | 10.60 | 0.09 | 2.3 | 0.039 | 1.96 | 26.0 | 8.6 | 0.89 | 518 | 7.21 | 0.03 | 19.0 | 47.9 | 1190 | 2.9 |
| W843977 | | 9.79 | 0.10 | 2.0 | 0.029 | 1.75 | 25.0 | 7.6 | 1.25 | 641 | 6.99 | 0.03 | 17.8 | 53.5 | 1540 | 3.2 |
| W843978 | | 10.30 | 0.11 | 2.3 | 0.038 | 1.89 | 27.5 | 7.7 | 1.70 | 1360 | 6.85 | 0.03 | 17.7 | 46.4 | 1240 | 3.3 |
| W843979 | | 10.10 | 0.10 | 2.2 | 0.030 | 1.78 | 26.3 | 7.9 | 1.48 | 860 | 6.77 | 0.03 | 19.6 | 43.0 | 1220 | 3.3 |
| W843980 | | 9.11 | 0.09 | 1.9 | 0.029 | 1.59 | 27.0 | 7.4 | 1.58 | 678 | 7.35 | 0.03 | 17.5 | 39.6 | 1180 | 4.7 |
| W843981 | | 8.99 | 0.12 | 1.9 | 0.029 | 1.58 | 22.9 | 6.9 | 1.69 | 857 | 5.67 | 0.03 | 13.7 | 53.3 | 1410 | 5.7 |
| W843982 | | 12.15 | 0.13 | 2.5 | 0.033 | 2.10 | 34.1 | 8.9 | 1.78 | 835 | 6.40 | 0.03 | 21.9 | 43.1 | 1600 | 5.0 |
| W843983 | | 10.90 | 0.14 | 2.2 | 0.038 | 1.95 | 34.5 | 7.9 | 2.09 | 931 | 6.20 | 0.03 | 25.1 | 50.5 | 1540 | 4.2 |
| W843984 | | 10.85 | 0.12 | 2.1 | 0.025 | 2.02 | 32.5 | 7.6 | 2.05 | 1260 | 5.30 | 0.03 | 25.3 | 44.7 | 1730 | 6.8 |
| W843985 | | 8.71 | 0.11 | 1.8 | 0.026 | 1.60 | 25.6 | 5.9 | 1.94 | 1460 | 4.67 | 0.03 | 19.2 | 64.3 | 2280 | 21.8 |
| W843986 | | 8.22 | 0.12 | 1.6 | 0.020 | 1.51 | 23.3 | 5.0 | 3.11 | 1860 | 6.64 | 0.03 | 15.6 | 96.5 | 2050 | 8.4 |
| W843987 | | 12.85 | 0.12 | 2.3 | 0.036 | 2.35 | 32.0 | 7.8 | 1.80 | 1250 | 6.77 | 0.05 | 25.9 | 69.9 | 2050 | 5.7 |
| W843988 | | 13.00 | 0.12 | 2.5 | 0.040 | 2.32 | 31.8 | 8.3 | 1.76 | 839 | 5.97 | 0.05 | 26.6 | 54.4 | 1990 | 4.4 |
| W843989 | | 15.20 | 0.13 | 2.2 | 0.038 | 2.58 | 48.5 | 8.8 | 1.78 | 731 | 2.32 | 0.06 | 33.0 | 28.0 | 1700 | 3.2 |
| W843990 | | 13.25 | 0.12 | 2.5 | 0.035 | 2.48 | 35.3 | 8.2 | 1.87 | 766 | 5.40 | 0.06 | 27.8 | 53.5 | 1910 | 5.6 |
| W843991 | | 12.30 | 0.12 | 2.4 | 0.037 | 2.23 | 33.6 | 7.2 | 2.00 | 869 | 5.47 | 0.06 | 26.4 | 44.5 | 1870 | 5.3 |
| W843992 | | 12.15 | 0.12 | 2.3 | 0.029 | 2.14 | 36.1 | 7.4 | 1.91 | 749 | 5.15 | 0.05 | 24.6 | 47.2 | 2090 | 4.5 |
| W843993 | | 12.10 | 0.12 | 2.5 | 0.045 | 2.16 | 35.7 | 7.5 | 1.71 | 683 | 5.86 | 0.06 | 23.6 | 61.3 | 1520 | 5.4 |
| W843994 | | 14.40 | 0.13 | 2.4 | 0.047 | 2.51 | 47.5 | 13.2 | 2.30 | 865 | 3.26 | 0.07 | 31.0 | 50.3 | 2450 | 4.7 |
| W843995 | | 16.45 | 0.15 | 2.2 | 0.043 | 2.79 | 50.2 | 15.2 | 2.06 | 665 | 2.12 | 0.09 | 39.6 | 32.7 | 1590 | 4.3 |
| W843996 | | 16.95 | 0.16 | 2.4 | 0.047 | 2.87 | 62.5 | 15.4 | 2.03 | 571 | 2.43 | 0.07 | 49.3 | 32.4 | 1710 | 4.7 |
| W843997 | | 15.40 | 0.15 | 2.0 | 0.036 | 2.41 | 46.9 | 18.3 | 1.94 | 694 | 2.24 | 0.06 | 37.1 | 34.1 | 1570 | 8.3 |
| W843998 | | 16.60 | 0.15 | 2.1 | 0.043 | 2.82 | 58.0 | 15.5 | 2.10 | 566 | 1.87 | 0.07 | 43.9 | 32.8 | 1780 | 6.9 |
| W843999 | | 17.00 | 0.17 | 1.9 | 0.060 | 2.70 | 61.7 | 14.8 | 2.47 | 835 | 1.39 | 0.09 | 37.4 | 30.2 | 1750 | 9.4 |
| W844000 | | 15.45 | 0.14 | 2.4 | 0.048 | 2.68 | 48.2 | 12.8 | 1.87 | 556 | 2.67 | 0.08 | 37.6 | 28.0 | 1600 | 4.3 |
| W844001 | | 16.15 | 0.14 | 2.2 | 0.055 | 2.59 | 48.4 | 15.4 | 1.81 | 499 | 3.56 | 0.07 | 38.9 | 31.0 | 1920 | 4.8 |
| W844002 | | 16.30 | 0.14 | 2.4 | 0.056 | 2.80 | 48.5 | 14.0 | 1.84 | 502 | 2.59 | 0.07 | 41.6 | 28.2 | 1980 | 3.9 |
| W844003 | | 14.45 | 0.13 | 2.2 | 0.041 | 2.39 | 41.7 | 12.2 | 1.46 | 606 | 3.89 | 0.06 | 32.9 | 33.8 | 1600 | 3.4 |
| W844004 | | 15.10 | 0.14 | 2.9 | 0.039 | 2.82 | 36.1 | 10.8 | 0.95 | 1160 | 7.79 | 0.08 | 28.6 | 61.4 | 2420 | 4.6 |
| W844005 | | 8.54 | 0.12 | 1.7 | 0.026 | 1.54 | 33.6 | 5.3 | 1.51 | 1140 | 6.06 | 0.04 | 14.0 | 63.6 | 3040 | 3.9 |
| W844006 | | 18.15 | 0.15 | 3.5 | 0.039 | 3.29 | 41.8 | 10.7 | 0.82 | 833 | 12.80 | 0.07 | 35.7 | 92.3 | 2350 | 3.1 |
| W844007 | | 9.26 | 0.10 | 1.8 | 0.024 | 1.73 | 26.8 | 5.5 | 1.26 | 1840 | 6.51 | 0.04 | 17.3 | 56.7 | 3400 | 3.0 |
| W844008 | | 10.60 | 0.12 | 2.2 | 0.028 | 1.96 | 32.4 | 6.1 | 1.41 | 2710 | 6.13 | 0.04 | 18.8 | 70.3 | 2970 | 3.2 |
| W844009 | | 14.70 | 0.14 | 2.8 | 0.033 | 2.61 | 42.2 | 8.4 | 1.53 | 1700 | 5.73 | 0.06 | 29.4 | 82.4 | 3090 | 2.9 |
| W844010 | | 10.15 | 0.12 | 1.9 | 0.032 | 1.89 | 36.9 | 6.0 | 2.37 | 996 | 3.20 | 0.04 | 19.5 | 66.1 | 2340 | 2.8 |

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

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| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W843971 | | 75.0 | 0.002 | 0.08 | 2.36 | 9.6 | 1 | 8.6 | 33.9 | 1.07 | 0.07 | 6.77 | 0.350 | 0.48 | 2.9 | 154 |
| W843972 | | 82.3 | 0.002 | 0.06 | 2.54 | 10.4 | 1 | 9.5 | 32.9 | 1.13 | 0.07 | 7.05 | 0.383 | 0.51 | 3.5 | 160 |
| W843973 | | 90.7 | 0.002 | 0.04 | 3.86 | 10.8 | 2 | 10.0 | 30.9 | 1.23 | 0.09 | 8.75 | 0.365 | 0.58 | 4.4 | 174 |
| W843974 | | 85.0 | 0.002 | 0.09 | 5.02 | 10.7 | 2 | 8.9 | 43.5 | 1.31 | 0.06 | 6.54 | 0.394 | 0.50 | 4.0 | 179 |
| W843975 | | 82.8 | 0.004 | 0.60 | 2.96 | 10.4 | 4 | 8.0 | 61.8 | 1.24 | 0.05 | 6.52 | 0.428 | 0.42 | 3.6 | 146 |
| W843976 | | 76.8 | 0.021 | 1.77 | 2.26 | 8.8 | 3 | 7.1 | 59.1 | 1.04 | 0.11 | 5.87 | 0.337 | 0.46 | 3.5 | 160 |
| W843977 | | 70.3 | 0.021 | 2.06 | 1.62 | 8.3 | 4 | 7.0 | 81.1 | 0.95 | 0.12 | 5.36 | 0.308 | 0.37 | 3.4 | 139 |
| W843978 | | 78.5 | 0.020 | 1.52 | 1.72 | 8.9 | 3 | 8.8 | 97.1 | 0.97 | 0.06 | 6.13 | 0.327 | 0.40 | 4.8 | 147 |
| W843979 | | 74.5 | 0.019 | 1.58 | 1.72 | 8.6 | 3 | 8.0 | 88.7 | 1.03 | 0.09 | 5.96 | 0.326 | 0.40 | 4.2 | 137 |
| W843980 | | 63.8 | 0.012 | 2.77 | 3.62 | 7.8 | 3 | 7.6 | 85.3 | 0.98 | 0.07 | 5.37 | 0.303 | 0.42 | 3.6 | 116 |
| W843981 | | 61.9 | 0.011 | 4.29 | 16.60 | 7.7 | 4 | 7.2 | 73.3 | 0.75 | 0.06 | 4.84 | 0.267 | 0.61 | 4.0 | 112 |
| W843982 | | 84.5 | 0.016 | 2.47 | 5.42 | 9.9 | 3 | 8.9 | 79.8 | 1.18 | 0.05 | 6.98 | 0.395 | 0.53 | 5.0 | 157 |
| W843983 | | 79.0 | 0.010 | 2.51 | 2.21 | 9.8 | 3 | 8.1 | 84.8 | 1.31 | 0.06 | 5.89 | 0.414 | 0.46 | 3.8 | 135 |
| W843984 | | 81.3 | 0.009 | 1.92 | 2.15 | 9.8 | 2 | 9.3 | 81.7 | 1.38 | <0.05 | 5.88 | 0.425 | 0.49 | 4.1 | 140 |
| W843985 | | 64.0 | 0.008 | 3.41 | 32.5 | 7.8 | 4 | 7.5 | 68.4 | 1.10 | 0.06 | 4.76 | 0.338 | 0.44 | 4.2 | 124 |
| W843986 | | 60.9 | 0.009 | 6.16 | 189.5 | 7.9 | 5 | 5.9 | 78.6 | 0.86 | 0.08 | 4.77 | 0.280 | 0.63 | 4.2 | 124 |
| W843987 | | 96.5 | 0.010 | 3.79 | 62.6 | 12.6 | 3 | 7.3 | 70.7 | 1.46 | 0.07 | 6.58 | 0.458 | 0.63 | 4.5 | 150 |
| W843988 | | 98.8 | 0.008 | 2.68 | 11.20 | 12.1 | 3 | 6.4 | 87.8 | 1.48 | <0.05 | 7.05 | 0.451 | 0.57 | 4.4 | 142 |
| W843989 | | 105.5 | 0.003 | 1.16 | 3.62 | 11.8 | 2 | 6.0 | 117.5 | 1.78 | <0.05 | 9.63 | 0.530 | 0.58 | 2.9 | 113 |
| W843990 | | 101.0 | 0.007 | 2.57 | 3.12 | 12.4 | 3 | 5.4 | 99.5 | 1.59 | <0.05 | 7.61 | 0.474 | 0.56 | 4.6 | 136 |
| W843991 | | 92.4 | 0.008 | 2.06 | 2.57 | 11.2 | 2 | 5.3 | 98.3 | 1.47 | <0.05 | 6.76 | 0.445 | 0.53 | 4.2 | 134 |
| W843992 | | 88.4 | 0.011 | 1.97 | 2.18 | 11.2 | 2 | 4.9 | 90.1 | 1.41 | 0.06 | 6.52 | 0.460 | 0.46 | 5.4 | 147 |
| W843993 | | 89.6 | 0.008 | 2.94 | 3.30 | 10.8 | 3 | 4.0 | 84.2 | 1.36 | 0.06 | 6.93 | 0.429 | 0.48 | 5.1 | 127 |
| W843994 | | 108.5 | 0.005 | 1.81 | 2.46 | 11.3 | 2 | 4.0 | 84.9 | 1.66 | <0.05 | 8.72 | 0.529 | 0.62 | 4.1 | 122 |
| W843995 | | 126.0 | 0.002 | 1.03 | 4.16 | 12.8 | 1 | 5.2 | 71.0 | 2.05 | <0.05 | 10.00 | 0.591 | 0.73 | 2.7 | 128 |
| W843996 | | 125.0 | 0.003 | 1.49 | 4.32 | 12.9 | 1 | 4.9 | 50.6 | 2.58 | 0.05 | 10.95 | 0.654 | 0.72 | 2.9 | 126 |
| W843997 | | 102.5 | 0.003 | 1.22 | 4.21 | 12.4 | 1 | 4.6 | 50.9 | 1.94 | <0.05 | 9.16 | 0.608 | 0.64 | 3.1 | 121 |
| W843998 | | 118.0 | 0.004 | 1.60 | 4.18 | 13.4 | 1 | 4.3 | 54.2 | 2.36 | <0.05 | 10.05 | 0.675 | 0.69 | 2.7 | 126 |
| W843999 | | 121.5 | 0.003 | 1.56 | 3.24 | 13.3 | 1 | 5.0 | 85.7 | 1.93 | 0.06 | 10.95 | 0.573 | 0.72 | 3.0 | 113 |
| W844000 | | 110.5 | 0.004 | 0.95 | 3.51 | 11.9 | 1 | 4.8 | 62.7 | 2.04 | <0.05 | 9.69 | 0.586 | 0.64 | 2.8 | 133 |
| W844001 | | 107.0 | 0.004 | 0.98 | 3.59 | 12.8 | 1 | 5.2 | 55.4 | 2.09 | 0.06 | 9.31 | 0.598 | 0.63 | 2.9 | 150 |
| W844002 | | 120.0 | 0.004 | 0.90 | 3.07 | 13.8 | 1 | 4.5 | 60.9 | 2.19 | <0.05 | 9.10 | 0.674 | 0.66 | 3.0 | 150 |
| W844003 | | 104.5 | 0.005 | 1.22 | 4.27 | 12.1 | 1 | 5.2 | 67.2 | 1.75 | <0.05 | 8.16 | 0.518 | 0.62 | 3.5 | 146 |
| W844004 | | 107.5 | <0.002 | 0.06 | 1.99 | 14.0 | 1 | 4.2 | 70.3 | 1.66 | <0.05 | 8.20 | 0.521 | 0.60 | 4.3 | 172 |
| W844005 | | 60.7 | <0.002 | 0.46 | 1.67 | 8.2 | 3 | 2.3 | 133.0 | 0.80 | 0.05 | 5.51 | 0.257 | 0.39 | 3.4 | 98 |
| W844006 | | 130.5 | 0.008 | 0.42 | 3.11 | 16.7 | 3 | 5.4 | 93.2 | 2.00 | 0.06 | 9.82 | 0.644 | 0.71 | 5.8 | 238 |
| W844007 | | 66.6 | 0.006 | 0.43 | 1.61 | 8.7 | 3 | 2.8 | 123.5 | 1.00 | <0.05 | 5.51 | 0.308 | 0.40 | 3.8 | 117 |
| W844008 | | 76.6 | 0.007 | 0.65 | 1.56 | 10.0 | 3 | 3.2 | 129.0 | 1.05 | 0.05 | 6.68 | 0.330 | 0.44 | 4.6 | 123 |
| W844009 | | 106.0 | 0.016 | 1.07 | 1.47 | 13.6 | 3 | 4.6 | 139.5 | 1.63 | 0.05 | 8.71 | 0.500 | 0.56 | 4.5 | 165 |
| W844010 | | 72.0 | 0.016 | 1.55 | 1.45 | 9.3 | 2 | 3.4 | 183.0 | 1.11 | <0.05 | 6.55 | 0.332 | 0.39 | 3.1 | 107 |

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

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197169

| Sample Description | Method Analyte Units LOD | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 | Au-AA24 Au ppm 0.005 |
|---|---|---|---|---|---|---|
| W843971 | | 42.7 | 9.3 | 17 | 84.5 | 0.120 |
| W843972 | | 3.5 | 10.2 | 11 | 99.2 | 0.129 |
| W843973 | | 2.7 | 10.1 | 10 | 112.0 | 0.125 |
| W843974 | | 37.8 | 11.8 | 13 | 108.0 | 0.034 |
| W843975 | | 2.4 | 11.6 | 17 | 97.8 | 0.019 |
| W843976 | | 4.1 | 9.1 | 15 | 89.9 | 0.024 |
| W843977 | | 2.4 | 9.1 | 13 | 80.4 | 0.021 |
| W843978 | | 3.7 | 9.8 | 24 | 98.1 | 0.015 |
| W843979 | | 2.7 | 9.0 | 19 | 88.5 | 0.025 |
| W843980 | | 2.4 | 8.7 | 18 | 73.2 | 0.095 |
| W843981 | | 2.6 | 9.1 | 17 | 78.1 | 0.074 |
| W843982 | | 3.0 | 10.8 | 19 | 105.0 | 0.027 |
| W843983 | | 2.5 | 11.7 | 17 | 94.1 | 0.056 |
| W843984 | | 2.7 | 11.6 | 24 | 93.0 | 0.044 |
| W843985 | | 2.2 | 11.0 | 23 | 78.7 | 0.042 |
| W843986 | | 3.6 | 13.4 | 18 | 69.1 | 0.068 |
| W843987 | | 1.9 | 13.4 | 17 | 101.5 | 0.037 |
| W843988 | | 2.5 | 13.4 | 18 | 106.0 | 0.019 |
| W843989 | | 1.9 | 16.1 | 20 | 92.1 | 0.011 |
| W843990 | | 1.7 | 13.5 | 23 | 101.5 | 0.008 |
| W843991 | | 1.8 | 12.4 | 26 | 101.5 | 0.013 |
| W843992 | | 1.6 | 12.9 | 23 | 100.0 | 0.014 |
| W843993 | | 1.9 | 13.2 | 20 | 98.0 | 0.014 |
| W843994 | | 1.9 | 18.1 | 41 | 103.0 | 0.007 |
| W843995 | | 2.4 | 18.2 | 49 | 97.2 | 0.014 |
| W843996 | | 1.7 | 20.1 | 51 | 110.5 | 0.013 |
| W843997 | | 1.6 | 16.3 | 67 | 88.6 | 0.023 |
| W843998 | | 1.6 | 16.6 | 56 | 88.3 | 0.013 |
| W843999 | | 1.9 | 19.5 | 97 | 85.2 | 0.017 |
| W844000 | | 1.6 | 15.1 | 52 | 105.0 | 0.025 |
| W844001 | | 1.7 | 15.5 | 44 | 105.0 | 0.023 |
| W844002 | | 1.6 | 15.4 | 40 | 105.0 | 0.029 |
| W844003 | | 1.6 | 13.6 | 27 | 95.0 | 0.019 |
| W844004 | | 1.6 | 14.0 | 33 | 123.0 | 0.009 |
| W844005 | | 1.4 | 13.7 | 24 | 70.8 | 0.019 |
| W844006 | | 3.8 | 14.2 | 25 | 147.0 | 0.026 |
| W844007 | | 1.7 | 12.1 | 57 | 93.3 | 0.010 |
| W844008 | | 2.5 | 13.5 | 56 | 103.5 | 0.012 |
| W844009 | | 1.6 | 15.0 | 25 | 125.0 | 0.017 |
| W844010 | | 1.8 | 12.8 | 29 | 81.7 | 0.035 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197169

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844011 | | 3.79 | 0.08 | 4.53 | 55.6 | 480 | 1.20 | 2.04 | 5.29 | 0.05 | 69.8 | 19.8 | 80 | 2.98 | 35.5 | 4.54 |
| W844012 | | 3.48 | 0.07 | 3.31 | 52.5 | 580 | 0.85 | 1.42 | 6.62 | 0.07 | 51.1 | 13.6 | 58 | 2.23 | 31.0 | 4.45 |
| W844013 | | 3.22 | 0.10 | 4.79 | 45.3 | 330 | 1.28 | 2.43 | 4.29 | 0.05 | 65.9 | 20.7 | 82 | 3.16 | 38.2 | 4.66 |
| W844014 | | 3.42 | 0.14 | 4.33 | 61.2 | 140 | 1.25 | 4.36 | 4.92 | 0.05 | 71.9 | 30.3 | 77 | 2.97 | 49.2 | 5.52 |
| W844015 | | 3.42 | 0.19 | 5.70 | 60.0 | 110 | 1.84 | 10.25 | 1.72 | 0.05 | 81.3 | 30.2 | 90 | 4.01 | 48.5 | 5.95 |
| W844016 | | 3.63 | 0.22 | 6.27 | 54.7 | 120 | 1.88 | 18.50 | 2.81 | 0.05 | 73.0 | 27.8 | 96 | 4.31 | 44.5 | 4.74 |
| W844017 | | 3.54 | 0.17 | 4.54 | 57.9 | 180 | 1.37 | 8.26 | 4.62 | 0.10 | 68.4 | 24.0 | 86 | 2.85 | 42.9 | 5.57 |
| W844018 | | 3.52 | 0.22 | 3.94 | 317 | 40 | 1.32 | 6.05 | 3.05 | 0.13 | 62.1 | 35.0 | 69 | 2.32 | 49.1 | 8.06 |
| W844019 | | 3.09 | 0.23 | 4.06 | 452 | 50 | 1.29 | 5.87 | 1.17 | 0.11 | 79.5 | 37.2 | 71 | 2.44 | 48.4 | 8.39 |
| W844020 | | 2.77 | 0.22 | 5.01 | 203 | 90 | 1.52 | 7.05 | 1.89 | 0.11 | 82.4 | 29.4 | 89 | 3.04 | 41.8 | 6.67 |
| W844021 | | 3.19 | 0.18 | 4.27 | 195.0 | 100 | 1.25 | 6.98 | 3.60 | 0.09 | 66.9 | 25.4 | 75 | 2.40 | 37.2 | 5.89 |
| W844022 | | 3.74 | 0.14 | 4.55 | 144.5 | 250 | 1.38 | 4.51 | 4.71 | 0.09 | 68.4 | 20.0 | 76 | 2.66 | 35.7 | 4.89 |
| W844023 | | 3.03 | 0.16 | 4.83 | 63.1 | 410 | 1.47 | 4.14 | 5.03 | 0.04 | 79.0 | 19.7 | 81 | 2.77 | 26.3 | 4.27 |
| W844024 | | 3.06 | 0.15 | 3.54 | 112.0 | 140 | 1.12 | 3.67 | 2.55 | 0.09 | 57.4 | 25.1 | 59 | 2.10 | 29.0 | 6.65 |
| W844025 | | 3.93 | 0.20 | 4.54 | 241 | 50 | 1.36 | 4.23 | 1.87 | 0.11 | 72.3 | 34.3 | 65 | 2.82 | 32.3 | 7.64 |
| W844026 | | 3.87 | 0.14 | 4.93 | 235 | 60 | 1.45 | 4.09 | 3.67 | 0.07 | 85.8 | 27.2 | 60 | 3.01 | 37.1 | 6.55 |
| W844027 | | 3.87 | 0.15 | 5.31 | 121.0 | 210 | 1.60 | 1.69 | 4.61 | 1.85 | 98.9 | 21.3 | 45 | 3.26 | 31.1 | 5.35 |
| W844028 | | 3.60 | 0.20 | 3.95 | 965 | 30 | 1.15 | 2.16 | 3.93 | 0.24 | 95.5 | 33.9 | 35 | 2.43 | 95.2 | 10.35 |
| W844029 | | 3.53 | 0.13 | 5.65 | 335 | 140 | 1.71 | 1.86 | 4.00 | 0.12 | 115.5 | 26.9 | 46 | 3.35 | 32.0 | 6.09 |
| W844030 | | 3.53 | 0.09 | 5.69 | 92.3 | 250 | 1.78 | 1.77 | 3.83 | 0.12 | 114.5 | 20.3 | 61 | 3.58 | 32.6 | 5.42 |
| W844031 | | 3.67 | 0.12 | 5.65 | 190.0 | 220 | 1.64 | 2.65 | 3.66 | 0.08 | 88.4 | 20.0 | 93 | 3.39 | 51.7 | 4.84 |
| W844032 | | 3.55 | 0.13 | 5.07 | 91.1 | 190 | 1.36 | 2.77 | 4.03 | 0.09 | 85.0 | 22.3 | 77 | 3.03 | 61.7 | 5.09 |
| W844033 | | 3.78 | 0.18 | 5.08 | 98.2 | 50 | 1.46 | 3.33 | 5.01 | 0.18 | 81.6 | 35.8 | 79 | 3.00 | 123.0 | 7.17 |
| W844034 | | 3.47 | 0.12 | 4.90 | 57.1 | 130 | 1.36 | 2.93 | 4.83 | 0.13 | 76.7 | 22.1 | 76 | 2.83 | 82.2 | 5.72 |
| W844035 | | 3.75 | 0.16 | 4.34 | 53.0 | 140 | 1.20 | 3.58 | 5.05 | 0.09 | 76.6 | 19.8 | 74 | 2.55 | 67.1 | 5.90 |
| W844036 | | 3.56 | 0.14 | 4.19 | 86.1 | 160 | 1.17 | 2.78 | 4.99 | 0.08 | 68.1 | 22.6 | 69 | 2.56 | 81.9 | 6.06 |
| W844037 | | 3.67 | 0.12 | 5.82 | 66.0 | 220 | 1.64 | 3.91 | 3.49 | 0.06 | 88.4 | 19.4 | 93 | 3.78 | 53.3 | 5.27 |
| W844038 | | 3.95 | 0.14 | 4.65 | 38.0 | 130 | 1.33 | 3.43 | 4.59 | 0.07 | 85.0 | 23.0 | 76 | 2.89 | 72.5 | 6.00 |
| W844039 | | 3.57 | 0.12 | 4.98 | 59.5 | 190 | 1.31 | 4.94 | 4.07 | 0.09 | 73.7 | 24.0 | 74 | 3.01 | 65.4 | 5.87 |
| W844040 | | 3.66 | 0.12 | 4.07 | 49.6 | 250 | 1.13 | 5.00 | 5.34 | 0.11 | 66.1 | 19.5 | 69 | 2.26 | 52.9 | 5.95 |
| W844041 | | 3.69 | 0.10 | 5.05 | 67.5 | 240 | 1.37 | 4.41 | 4.36 | 0.09 | 78.4 | 19.9 | 80 | 3.11 | 46.2 | 5.50 |
| W844042 | | 3.80 | 0.12 | 5.10 | 37.5 | 140 | 1.37 | 3.41 | 3.77 | 0.12 | 75.7 | 21.5 | 78 | 3.30 | 73.0 | 5.58 |
| W844043 | | 3.45 | 0.12 | 5.77 | 39.1 | 210 | 1.52 | 2.69 | 2.95 | 0.10 | 90.0 | 24.2 | 73 | 3.76 | 93.8 | 5.18 |
| W844044 | | 3.94 | 0.07 | 6.29 | 43.2 | 570 | 1.72 | 2.58 | 3.42 | 0.06 | 112.5 | 17.7 | 68 | 4.10 | 52.7 | 4.27 |
| W844045 | | 3.62 | 0.12 | 5.51 | 29.8 | 230 | 1.60 | 3.03 | 3.47 | 0.08 | 94.2 | 22.9 | 72 | 3.58 | 96.5 | 5.33 |

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

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**Finalized Date: 30-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197169

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844011 | | 11.10 | 0.13 | 2.2 | 0.025 | 2.03 | 36.4 | 6.2 | 2.25 | 748 | 4.15 | 0.05 | 25.0 | 57.7 | 2220 | 3.5 |
| W844012 | | 8.07 | 0.11 | 1.6 | 0.019 | 1.50 | 26.6 | 4.7 | 2.67 | 840 | 4.63 | 0.03 | 16.1 | 46.0 | 2550 | 2.7 |
| W844013 | | 12.05 | 0.12 | 2.3 | 0.030 | 2.24 | 33.7 | 6.4 | 1.93 | 685 | 5.32 | 0.05 | 27.5 | 68.4 | 1720 | 3.7 |
| W844014 | | 11.20 | 0.12 | 2.2 | 0.028 | 2.02 | 38.8 | 6.2 | 2.25 | 865 | 4.58 | 0.05 | 23.3 | 74.7 | 1770 | 4.5 |
| W844015 | | 15.15 | 0.15 | 2.7 | 0.035 | 2.62 | 41.2 | 8.7 | 1.01 | 941 | 9.58 | 0.06 | 27.3 | 85.1 | 1900 | 5.2 |
| W844016 | | 16.85 | 0.14 | 3.2 | 0.045 | 2.94 | 36.0 | 9.3 | 1.39 | 557 | 12.20 | 0.07 | 32.1 | 88.7 | 1730 | 5.6 |
| W844017 | | 12.15 | 0.14 | 2.2 | 0.025 | 2.08 | 36.1 | 6.5 | 2.10 | 1120 | 7.11 | 0.05 | 22.7 | 73.7 | 1700 | 5.1 |
| W844018 | | 10.70 | 0.12 | 2.0 | 0.039 | 1.89 | 30.2 | 6.1 | 1.39 | 1400 | 5.43 | 0.05 | 18.8 | 108.0 | 1600 | 8.1 |
| W844019 | | 11.25 | 0.15 | 1.9 | 0.044 | 1.93 | 37.5 | 6.5 | 0.73 | 1880 | 6.25 | 0.05 | 15.0 | 116.5 | 1760 | 6.1 |
| W844020 | | 13.95 | 0.15 | 2.4 | 0.049 | 2.41 | 40.6 | 8.4 | 0.97 | 1270 | 6.14 | 0.06 | 22.6 | 90.6 | 2340 | 5.4 |
| W844021 | | 11.35 | 0.12 | 2.1 | 0.036 | 2.05 | 34.8 | 6.7 | 1.65 | 1140 | 5.57 | 0.05 | 19.8 | 77.5 | 1820 | 4.5 |
| W844022 | | 12.15 | 0.10 | 2.1 | 0.046 | 2.20 | 35.4 | 7.0 | 2.09 | 929 | 5.49 | 0.05 | 21.5 | 71.1 | 1870 | 3.5 |
| W844023 | | 13.40 | 0.14 | 2.5 | 0.045 | 2.32 | 40.9 | 7.5 | 2.25 | 1040 | 6.25 | 0.06 | 26.8 | 68.4 | 1960 | 3.8 |
| W844024 | | 9.57 | 0.07 | 1.6 | 0.039 | 1.67 | 29.8 | 5.7 | 1.23 | 1220 | 4.27 | 0.04 | 16.6 | 79.0 | 1370 | 3.9 |
| W844025 | | 12.30 | 0.13 | 2.2 | 0.041 | 2.21 | 34.7 | 7.7 | 1.00 | 1200 | 4.86 | 0.05 | 19.5 | 93.6 | 1530 | 5.4 |
| W844026 | | 13.50 | 0.13 | 2.4 | 0.039 | 2.39 | 42.5 | 8.4 | 1.75 | 773 | 6.08 | 0.06 | 27.3 | 61.5 | 2020 | 4.3 |
| W844027 | | 15.15 | 0.15 | 1.9 | 0.053 | 2.56 | 51.8 | 9.9 | 2.04 | 765 | 2.17 | 0.06 | 33.2 | 46.0 | 2300 | 6.7 |
| W844028 | | 11.40 | 0.15 | 1.5 | 0.040 | 1.89 | 49.0 | 6.6 | 1.80 | 925 | 1.92 | 0.05 | 22.5 | 62.5 | 1290 | 3.8 |
| W844029 | | 15.75 | 0.17 | 2.0 | 0.048 | 2.76 | 60.0 | 8.9 | 1.84 | 859 | 1.82 | 0.07 | 31.9 | 50.5 | 1640 | 2.4 |
| W844030 | | 16.30 | 0.17 | 2.1 | 0.058 | 2.77 | 59.5 | 9.2 | 1.74 | 791 | 2.94 | 0.07 | 32.8 | 58.9 | 1650 | 2.0 |
| W844031 | | 14.65 | 0.17 | 2.8 | 0.045 | 2.75 | 45.7 | 7.9 | 1.61 | 616 | 7.00 | 0.07 | 28.3 | 75.5 | 2270 | 3.3 |
| W844032 | | 13.55 | 0.16 | 2.5 | 0.043 | 2.47 | 43.6 | 6.9 | 1.75 | 663 | 8.46 | 0.06 | 24.6 | 79.8 | 1610 | 2.9 |
| W844033 | | 13.60 | 0.15 | 2.4 | 0.046 | 2.45 | 41.4 | 7.0 | 2.00 | 977 | 4.58 | 0.06 | 24.1 | 144.0 | 2510 | 3.4 |
| W844034 | | 12.70 | 0.13 | 2.2 | 0.041 | 2.36 | 41.3 | 6.4 | 1.93 | 917 | 3.48 | 0.06 | 23.0 | 77.1 | 2400 | 2.5 |
| W844035 | | 11.40 | 0.11 | 2.1 | 0.039 | 2.11 | 39.4 | 5.8 | 2.05 | 1040 | 5.20 | 0.05 | 19.8 | 70.9 | 1790 | 2.5 |
| W844036 | | 11.15 | 0.15 | 1.9 | 0.037 | 2.02 | 35.8 | 5.7 | 1.98 | 942 | 5.89 | 0.05 | 19.1 | 97.8 | 1620 | 2.6 |
| W844037 | | 15.60 | 0.17 | 3.0 | 0.042 | 2.84 | 45.4 | 7.9 | 1.56 | 817 | 9.19 | 0.06 | 30.1 | 68.7 | 1710 | 2.4 |
| W844038 | | 12.55 | 0.14 | 2.3 | 0.044 | 2.24 | 44.4 | 6.2 | 1.93 | 853 | 5.57 | 0.05 | 24.5 | 71.7 | 1780 | 2.9 |
| W844039 | | 13.00 | 0.14 | 2.6 | 0.041 | 2.40 | 38.1 | 6.8 | 1.76 | 820 | 7.63 | 0.05 | 24.8 | 73.3 | 1730 | 2.7 |
| W844040 | | 10.45 | 0.13 | 2.1 | 0.038 | 1.95 | 35.0 | 5.5 | 2.22 | 1040 | 5.89 | 0.05 | 19.6 | 59.3 | 1750 | 2.8 |
| W844041 | | 13.50 | 0.13 | 2.5 | 0.053 | 2.46 | 40.7 | 6.6 | 1.90 | 782 | 6.39 | 0.06 | 25.5 | 62.7 | 1850 | 2.8 |
| W844042 | | 13.90 | 0.13 | 2.5 | 0.047 | 2.53 | 38.5 | 7.0 | 1.63 | 604 | 5.94 | 0.05 | 24.8 | 63.7 | 1660 | 2.6 |
| W844043 | | 15.80 | 0.15 | 3.2 | 0.055 | 2.85 | 46.5 | 8.6 | 1.32 | 515 | 8.35 | 0.06 | 32.8 | 58.9 | 2020 | 2.4 |
| W844044 | | 17.65 | 0.20 | 3.5 | 0.066 | 3.10 | 60.0 | 9.8 | 1.52 | 595 | 4.27 | 0.07 | 43.3 | 45.5 | 2280 | 1.9 |
| W844045 | | 15.20 | 0.17 | 3.1 | 0.058 | 2.71 | 49.3 | 8.3 | 1.50 | 614 | 8.58 | 0.06 | 31.0 | 56.2 | 2430 | 2.5 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197169

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844011 | | 79.5 | 0.012 | 2.04 | 1.89 | 10.1 | 3 | 3.9 | 165.5 | 1.39 | 0.06 | 6.94 | 0.417 | 0.45 | 3.5 | 132 |
| W844012 | | 59.2 | 0.009 | 1.71 | 1.31 | 7.5 | 2 | 2.8 | 215 | 0.88 | 0.05 | 4.93 | 0.292 | 0.32 | 3.0 | 97 |
| W844013 | | 88.1 | 0.013 | 2.39 | 2.77 | 10.9 | 3 | 4.6 | 127.0 | 1.51 | 0.07 | 7.42 | 0.436 | 0.49 | 3.8 | 146 |
| W844014 | | 79.9 | 0.008 | 3.01 | 4.30 | 10.7 | 3 | 4.5 | 129.5 | 1.28 | 0.07 | 6.95 | 0.378 | 0.52 | 3.4 | 99 |
| W844015 | | 105.0 | 0.017 | 3.27 | 7.01 | 14.9 | 4 | 5.6 | 59.8 | 1.51 | 0.06 | 8.11 | 0.478 | 0.62 | 6.0 | 226 |
| W844016 | | 118.0 | 0.020 | 3.23 | 5.40 | 16.0 | 4 | 7.0 | 83.0 | 1.82 | 0.09 | 8.64 | 0.549 | 0.77 | 6.4 | 254 |
| W844017 | | 83.6 | 0.012 | 2.95 | 4.08 | 11.9 | 4 | 5.9 | 102.0 | 1.23 | 0.07 | 6.96 | 0.405 | 0.60 | 4.6 | 161 |
| W844018 | | 68.1 | 0.011 | 5.06 | 19.10 | 9.5 | 5 | 5.5 | 68.0 | 1.04 | 0.11 | 6.37 | 0.335 | 0.72 | 5.3 | 113 |
| W844019 | | 70.2 | 0.007 | 3.91 | 24.2 | 10.5 | 5 | 5.6 | 42.9 | 0.81 | 0.10 | 7.35 | 0.274 | 0.60 | 5.9 | 135 |
| W844020 | | 88.4 | 0.010 | 3.18 | 12.25 | 12.9 | 4 | 7.0 | 63.6 | 1.25 | 0.10 | 8.06 | 0.411 | 0.67 | 6.3 | 183 |
| W844021 | | 73.7 | 0.010 | 3.34 | 8.71 | 10.0 | 3 | 5.8 | 91.3 | 1.10 | 0.08 | 6.99 | 0.359 | 0.55 | 4.7 | 132 |
| W844022 | | 77.7 | 0.005 | 2.46 | 3.91 | 10.5 | 2 | 7.0 | 111.5 | 1.23 | 0.07 | 7.13 | 0.394 | 0.54 | 4.3 | 116 |
| W844023 | | 87.0 | 0.007 | 2.13 | 2.83 | 11.3 | 2 | 8.8 | 117.0 | 1.53 | 0.08 | 7.96 | 0.465 | 0.57 | 5.0 | 132 |
| W844024 | | 61.7 | 0.006 | 3.42 | 5.77 | 8.7 | 3 | 5.1 | 62.1 | 0.91 | 0.09 | 5.59 | 0.296 | 0.43 | 4.1 | 99 |
| W844025 | | 81.3 | 0.008 | 4.39 | 9.14 | 10.9 | 4 | 5.6 | 51.5 | 1.06 | 0.11 | 7.35 | 0.365 | 0.55 | 5.0 | 119 |
| W844026 | | 88.1 | 0.005 | 4.16 | 4.26 | 10.9 | 3 | 5.8 | 98.5 | 1.50 | 0.07 | 8.74 | 0.457 | 0.54 | 4.6 | 116 |
| W844027 | | 96.5 | 0.003 | 2.76 | 2.71 | 10.9 | 2 | 4.9 | 134.0 | 1.71 | <0.05 | 10.50 | 0.512 | 0.53 | 3.1 | 107 |
| W844028 | | 69.9 | 0.002 | 6.38 | 3.72 | 8.1 | 4 | 3.9 | 97.5 | 1.17 | 0.22 | 8.26 | 0.341 | 0.52 | 3.1 | 78 |
| W844029 | | 99.6 | 0.002 | 3.40 | 1.93 | 11.1 | 4 | 4.6 | 118.5 | 1.71 | 0.06 | 11.25 | 0.522 | 0.51 | 5.3 | 106 |
| W844030 | | 104.0 | 0.005 | 2.50 | 1.77 | 12.2 | 4 | 5.0 | 115.5 | 1.73 | <0.05 | 10.65 | 0.535 | 0.56 | 5.5 | 124 |
| W844031 | | 95.4 | 0.012 | 2.59 | 4.13 | 13.0 | 3 | 5.4 | 97.8 | 1.58 | 0.07 | 8.95 | 0.524 | 0.61 | 6.4 | 183 |
| W844032 | | 88.8 | 0.019 | 2.80 | 2.16 | 11.9 | 3 | 5.0 | 97.0 | 1.37 | 0.07 | 8.50 | 0.443 | 0.52 | 6.3 | 199 |
| W844033 | | 89.6 | 0.015 | 4.46 | 2.66 | 12.2 | 5 | 5.2 | 112.5 | 1.36 | 0.10 | 7.90 | 0.432 | 0.52 | 5.8 | 147 |
| W844034 | | 85.0 | 0.007 | 2.97 | 2.02 | 11.4 | 3 | 4.7 | 113.0 | 1.32 | 0.06 | 7.73 | 0.410 | 0.50 | 4.7 | 130 |
| W844035 | | 76.5 | 0.009 | 2.83 | 3.90 | 10.5 | 3 | 4.4 | 115.5 | 1.13 | 0.05 | 7.39 | 0.365 | 0.51 | 5.3 | 122 |
| W844036 | | 72.9 | 0.010 | 3.25 | 2.30 | 9.8 | 3 | 4.3 | 114.5 | 1.10 | 0.05 | 7.18 | 0.357 | 0.49 | 5.5 | 110 |
| W844037 | | 104.5 | 0.022 | 2.53 | 2.90 | 14.5 | 3 | 6.2 | 90.6 | 1.70 | 0.05 | 9.18 | 0.535 | 0.63 | 7.1 | 189 |
| W844038 | | 81.2 | 0.013 | 3.14 | 2.65 | 11.0 | 2 | 5.0 | 104.5 | 1.41 | 0.06 | 7.48 | 0.422 | 0.50 | 5.3 | 140 |
| W844039 | | 83.0 | 0.012 | 3.09 | 3.15 | 11.4 | 3 | 5.3 | 89.6 | 1.40 | 0.09 | 7.56 | 0.453 | 0.52 | 6.3 | 163 |
| W844040 | | 67.6 | 0.010 | 2.66 | 3.53 | 9.2 | 2 | 4.3 | 112.5 | 1.09 | 0.06 | 6.51 | 0.350 | 0.43 | 4.9 | 133 |
| W844041 | | 88.1 | 0.012 | 2.72 | 3.22 | 11.6 | 3 | 5.3 | 103.5 | 1.46 | 0.07 | 7.81 | 0.461 | 0.51 | 5.2 | 165 |
| W844042 | | 94.2 | 0.009 | 3.03 | 2.17 | 12.1 | 3 | 5.4 | 104.5 | 1.39 | 0.06 | 7.73 | 0.465 | 0.48 | 4.6 | 147 |
| W844043 | | 106.5 | 0.014 | 2.72 | 2.85 | 12.9 | 3 | 6.1 | 100.5 | 1.85 | 0.05 | 9.76 | 0.529 | 0.62 | 6.1 | 153 |
| W844044 | | 117.0 | 0.002 | 1.85 | 3.55 | 13.5 | 2 | 6.5 | 114.0 | 2.34 | <0.05 | 11.85 | 0.638 | 0.69 | 5.5 | 144 |
| W844045 | | 103.0 | 0.009 | 2.75 | 3.21 | 12.3 | 2 | 5.8 | 114.0 | 1.78 | 0.05 | 9.98 | 0.521 | 0.58 | 6.3 | 152 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197169

| Sample Description | Method Analyte Units LOD | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 | Au-AA24 Au ppm 0.005 |
|---|---|---|---|---|---|---|
| W844011 | | 1.7 | 12.5 | 15 | 90.8 | 0.029 |
| W844012 | | 1.6 | 11.0 | 17 | 63.1 | 0.015 |
| W844013 | | 1.6 | 11.3 | 13 | 101.0 | 0.035 |
| W844014 | | 25.8 | 12.3 | 13 | 87.4 | 0.087 |
| W844015 | | 1.9 | 12.2 | 13 | 116.0 | 0.170 |
| W844016 | | 2.8 | 12.6 | 13 | 130.0 | 0.253 |
| W844017 | | 1.6 | 12.0 | 21 | 94.3 | 0.127 |
| W844018 | | 2.0 | 9.6 | 28 | 84.9 | 0.065 |
| W844019 | | 1.5 | 11.1 | 26 | 84.4 | 0.064 |
| W844020 | | 2.3 | 12.8 | 20 | 106.0 | 0.160 |
| W844021 | | 2.0 | 10.7 | 21 | 87.5 | 0.096 |
| W844022 | | 2.0 | 10.4 | 20 | 85.4 | 0.050 |
| W844023 | | 2.0 | 13.0 | 21 | 115.5 | 0.160 |
| W844024 | | 1.7 | 9.4 | 23 | 69.9 | 0.069 |
| W844025 | | 2.3 | 11.8 | 23 | 88.8 | 0.067 |
| W844026 | | 2.3 | 14.5 | 16 | 98.5 | 0.056 |
| W844027 | | 2.0 | 14.4 | 256 | 84.5 | 0.015 |
| W844028 | | 2.4 | 11.9 | 40 | 67.0 | 0.028 |
| W844029 | | 2.0 | 15.2 | 29 | 80.2 | 0.018 |
| W844030 | | 2.2 | 15.9 | 23 | 92.0 | 0.029 |
| W844031 | | 2.4 | 13.0 | 18 | 118.0 | 0.016 |
| W844032 | | 2.0 | 10.9 | 18 | 102.0 | 0.055 |
| W844033 | | 3.3 | 12.6 | 34 | 98.1 | 0.024 |
| W844034 | | 1.8 | 11.3 | 27 | 90.7 | 0.019 |
| W844035 | | 2.1 | 10.7 | 22 | 85.4 | 0.032 |
| W844036 | | 1.8 | 9.5 | 21 | 82.2 | 0.026 |
| W844037 | | 2.4 | 13.4 | 14 | 122.5 | 0.028 |
| W844038 | | 2.1 | 13.3 | 19 | 98.4 | 0.040 |
| W844039 | | 2.0 | 11.8 | 17 | 106.0 | 0.074 |
| W844040 | | 1.7 | 10.9 | 22 | 87.7 | 0.041 |
| W844041 | | 2.0 | 12.9 | 19 | 103.0 | 0.027 |
| W844042 | | 1.9 | 13.5 | 20 | 105.0 | 0.018 |
| W844043 | | 2.2 | 16.0 | 16 | 131.0 | 0.048 |
| W844044 | | 2.3 | 20.2 | 15 | 147.5 | 0.037 |
| W844045 | | 2.0 | 16.8 | 17 | 123.5 | 0.031 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 30-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20197169

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 14-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20204440

Project: Rau

P.O. No.: R20-B08

This report is for 80 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 14-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 14-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204440

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844046 | | 3.90 | 0.17 | 5.35 | 60.3 | 90 | 1.70 | 4.99 | 3.01 | 0.13 | 86.3 | 31.1 | 83 | 3.37 | 125.5 | 7.41 |
| W844047 | | 3.77 | 0.13 | 5.55 | 42.6 | 120 | 1.83 | 3.50 | 3.17 | 0.10 | 87.6 | 29.1 | 79 | 3.46 | 148.0 | 6.54 |
| W844048 | | 2.98 | 0.17 | 5.59 | 64.6 | 200 | 1.63 | 3.56 | 3.59 | 0.08 | 76.9 | 26.4 | 80 | 3.45 | 122.5 | 6.27 |
| W844049 | | 3.37 | 0.14 | 5.13 | 47.9 | 250 | 1.57 | 3.57 | 4.21 | 0.08 | 76.4 | 22.2 | 62 | 3.06 | 102.0 | 5.60 |
| W844050 | | 2.98 | 0.09 | 5.41 | 35.7 | 380 | 1.59 | 1.97 | 4.65 | 0.12 | 80.1 | 15.9 | 60 | 3.23 | 64.8 | 5.07 |
| W844051 | | 3.78 | 0.09 | 5.52 | 22.6 | 620 | 1.61 | 1.63 | 4.45 | 0.12 | 88.5 | 11.9 | 61 | 3.37 | 50.2 | 4.25 |
| W844052 | | 3.36 | 0.09 | 5.50 | 21.9 | 640 | 1.62 | 1.93 | 4.77 | 0.11 | 86.4 | 12.5 | 66 | 3.41 | 45.3 | 4.66 |
| W844053 | | 3.09 | 0.19 | 5.59 | 45.6 | 410 | 1.76 | 2.89 | 5.45 | 0.16 | 99.3 | 20.3 | 65 | 3.51 | 68.3 | 5.45 |
| W844054 | | 3.48 | 0.12 | 5.43 | 32.2 | 320 | 1.59 | 2.05 | 4.87 | 0.19 | 95.8 | 21.1 | 65 | 3.41 | 68.3 | 5.86 |
| W844055 | | 2.86 | 0.12 | 4.79 | 44.6 | 370 | 1.42 | 2.26 | 5.15 | 0.46 | 74.4 | 18.6 | 63 | 3.09 | 52.5 | 5.08 |
| W844056 | | 2.64 | 0.25 | 6.08 | 7.6 | 2130 | 1.88 | 0.48 | 0.50 | 0.29 | 81.3 | 17.6 | 102 | 4.40 | 60.8 | 4.94 |
| W844057 | | 2.39 | 0.23 | 4.83 | 5.4 | 1750 | 1.52 | 0.36 | 1.35 | 0.25 | 64.2 | 13.0 | 70 | 3.73 | 47.6 | 3.49 |
| W844058 | | 2.44 | 0.24 | 5.06 | 10.8 | 1960 | 1.71 | 0.35 | 1.29 | 0.24 | 61.0 | 13.0 | 72 | 3.85 | 50.5 | 3.51 |
| W844059 | | 2.85 | 0.21 | 4.26 | 8.0 | 1530 | 1.46 | 0.30 | 1.49 | 0.25 | 50.4 | 10.4 | 61 | 3.29 | 49.3 | 2.85 |
| W844060 | | 3.28 | 0.27 | 3.86 | 8.1 | 1310 | 1.32 | 0.36 | 2.36 | 0.23 | 47.7 | 17.6 | 65 | 3.06 | 82.8 | 3.69 |
| W844061 | | 1.89 | 0.33 | 3.81 | 11.8 | 1330 | 1.38 | 0.38 | 1.68 | 0.18 | 51.4 | 18.9 | 66 | 2.86 | 104.0 | 3.40 |
| W844062 | | 2.99 | 0.34 | 3.77 | 10.3 | 1070 | 1.43 | 0.26 | 2.40 | 0.14 | 42.1 | 14.6 | 64 | 2.82 | 91.3 | 3.33 |
| W844063 | | 3.06 | 0.28 | 4.03 | 8.8 | 1510 | 1.50 | 0.39 | 1.83 | 0.24 | 51.8 | 17.4 | 64 | 3.20 | 85.6 | 3.50 |
| W844064 | | 2.66 | 0.32 | 3.63 | 10.5 | 1000 | 1.36 | 0.22 | 2.23 | 0.70 | 44.2 | 14.3 | 62 | 2.49 | 92.1 | 3.32 |
| W844065 | | 2.23 | 0.34 | 3.82 | 12.8 | 1000 | 1.44 | 0.25 | 2.81 | 0.45 | 49.0 | 17.1 | 66 | 2.79 | 100.5 | 3.47 |
| W844066 | | 2.24 | 0.34 | 3.66 | 16.1 | 990 | 1.27 | 0.31 | 2.48 | 0.41 | 44.4 | 14.5 | 62 | 2.60 | 60.5 | 3.15 |
| W844067 | | 2.30 | 0.30 | 4.17 | 14.8 | 1050 | 1.22 | 0.47 | 2.45 | 0.28 | 49.1 | 14.0 | 62 | 2.90 | 54.9 | 3.12 |
| W844068 | | 2.19 | 0.31 | 3.96 | 11.5 | 920 | 1.10 | 0.29 | 3.58 | 0.15 | 49.6 | 10.7 | 59 | 2.65 | 63.9 | 3.56 |
| W844069 | | 1.96 | 0.32 | 4.16 | 14.7 | 320 | 1.14 | 0.33 | 3.28 | 0.15 | 51.9 | 14.5 | 56 | 2.83 | 75.2 | 4.15 |
| W844070 | | 2.20 | 0.35 | 4.09 | 14.7 | 580 | 1.12 | 0.41 | 2.81 | 0.15 | 52.5 | 13.6 | 61 | 2.85 | 65.9 | 3.79 |
| W844071 | | 2.09 | 0.34 | 4.31 | 15.8 | 860 | 1.22 | 0.49 | 2.92 | 0.15 | 58.0 | 14.9 | 62 | 3.06 | 69.8 | 3.62 |
| W844072 | | 2.32 | 0.29 | 4.17 | 12.5 | 1080 | 1.15 | 0.34 | 2.78 | 0.15 | 50.5 | 11.4 | 61 | 2.97 | 63.0 | 3.09 |
| W844073 | | 2.93 | 0.34 | 4.48 | 9.8 | 1140 | 1.34 | 0.36 | 2.43 | 0.15 | 56.9 | 15.5 | 67 | 3.24 | 80.1 | 3.24 |
| W844074 | | 2.66 | 0.32 | 3.93 | 8.7 | 1080 | 1.13 | 0.33 | 3.00 | 0.15 | 48.6 | 12.2 | 59 | 2.85 | 75.6 | 3.27 |
| W844075 | | 3.23 | 0.30 | 4.11 | 8.9 | 1120 | 1.25 | 0.36 | 3.04 | 0.15 | 52.1 | 13.6 | 60 | 3.03 | 81.1 | 3.21 |
| W844076 | | 2.63 | 0.33 | 4.26 | 9.8 | 610 | 1.29 | 0.41 | 2.77 | 0.19 | 53.1 | 14.5 | 64 | 3.16 | 78.1 | 3.41 |
| W844077 | | 2.79 | 0.30 | 4.14 | 9.8 | 960 | 1.23 | 0.35 | 3.41 | 0.50 | 58.1 | 13.9 | 62 | 3.07 | 77.0 | 3.46 |
| W844078 | | 2.78 | 0.32 | 4.00 | 9.4 | 650 | 1.19 | 0.31 | 3.80 | 0.67 | 55.8 | 14.1 | 63 | 3.03 | 82.0 | 3.95 |
| W844079 | | 2.63 | 0.30 | 3.99 | 9.6 | 980 | 1.10 | 0.26 | 3.29 | 0.48 | 52.2 | 12.6 | 60 | 3.24 | 66.4 | 3.45 |
| W844080 | | 2.50 | 0.26 | 4.17 | 11.8 | 1120 | 1.22 | 0.23 | 3.17 | 0.32 | 54.5 | 12.6 | 64 | 3.25 | 61.7 | 3.59 |
| W844081 | | 2.47 | 0.27 | 4.26 | 9.8 | 910 | 1.25 | 0.27 | 3.12 | 0.27 | 59.7 | 12.5 | 65 | 3.32 | 61.7 | 3.28 |
| W844082 | | 2.67 | 0.28 | 4.22 | 10.4 | 1130 | 1.16 | 0.26 | 3.00 | 0.21 | 54.7 | 11.5 | 63 | 3.18 | 57.1 | 3.21 |
| W844083 | | 2.89 | 0.24 | 3.91 | 9.0 | 1000 | 1.08 | 0.27 | 3.28 | 0.29 | 47.9 | 10.7 | 58 | 2.90 | 53.9 | 2.91 |
| W844084 | | 3.12 | 0.22 | 3.80 | 8.5 | 870 | 1.09 | 0.24 | 3.48 | 0.27 | 48.5 | 10.5 | 54 | 2.75 | 47.9 | 3.34 |
| W844085 | | 2.63 | 0.22 | 3.77 | 9.7 | 820 | 1.02 | 0.21 | 3.38 | 0.26 | 50.8 | 10.9 | 55 | 2.81 | 48.3 | 3.20 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 14-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204440

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844046 | | 14.25 | 0.19 | 2.9 | 0.047 | 2.51 | 43.6 | 9.3 | 1.39 | 789 | 12.45 | 0.06 | 28.1 | 76.3 | 2070 | 4.0 |
| W844047 | | 14.85 | 0.18 | 2.9 | 0.060 | 2.67 | 45.7 | 9.7 | 1.43 | 647 | 11.10 | 0.06 | 29.7 | 66.0 | 2130 | 3.5 |
| W844048 | | 14.70 | 0.18 | 2.9 | 0.058 | 2.69 | 41.2 | 9.5 | 1.63 | 704 | 11.50 | 0.06 | 31.2 | 63.7 | 2060 | 3.6 |
| W844049 | | 13.15 | 0.17 | 2.5 | 0.045 | 2.45 | 41.6 | 8.5 | 1.70 | 646 | 7.27 | 0.05 | 29.7 | 51.9 | 1880 | 3.5 |
| W844050 | | 14.25 | 0.18 | 2.5 | 0.050 | 2.58 | 44.2 | 9.0 | 1.80 | 698 | 4.19 | 0.05 | 32.5 | 39.4 | 1850 | 2.7 |
| W844051 | | 14.75 | 0.18 | 2.5 | 0.059 | 2.64 | 48.7 | 8.9 | 1.73 | 635 | 3.38 | 0.05 | 33.4 | 31.8 | 1890 | 2.6 |
| W844052 | | 14.60 | 0.17 | 2.5 | 0.050 | 2.68 | 48.2 | 8.7 | 1.90 | 746 | 3.66 | 0.05 | 32.0 | 34.6 | 2960 | 3.2 |
| W844053 | | 15.05 | 0.19 | 2.6 | 0.052 | 2.70 | 56.9 | 9.2 | 2.09 | 824 | 4.89 | 0.05 | 32.9 | 47.9 | 4890 | 4.3 |
| W844054 | | 14.40 | 0.16 | 2.5 | 0.052 | 2.61 | 54.1 | 8.7 | 1.93 | 823 | 4.65 | 0.05 | 30.8 | 53.0 | 4160 | 4.3 |
| W844055 | | 12.60 | 0.16 | 2.2 | 0.044 | 2.32 | 41.9 | 7.5 | 2.16 | 811 | 7.86 | 0.05 | 27.8 | 48.2 | 2600 | 6.1 |
| W844056 | | 16.00 | 0.18 | 3.2 | 0.047 | 2.55 | 45.3 | 23.1 | 0.84 | 524 | 6.43 | 0.11 | 31.5 | 50.0 | 2050 | 4.1 |
| W844057 | | 13.05 | 0.20 | 2.6 | 0.040 | 2.04 | 34.9 | 19.5 | 0.96 | 437 | 5.34 | 0.07 | 22.4 | 40.0 | 1490 | 5.7 |
| W844058 | | 13.75 | 0.19 | 2.8 | 0.041 | 2.20 | 33.5 | 21.7 | 1.07 | 500 | 6.46 | 0.08 | 24.0 | 37.7 | 1530 | 3.8 |
| W844059 | | 11.85 | 0.20 | 2.3 | 0.033 | 1.84 | 27.1 | 19.0 | 1.02 | 527 | 5.13 | 0.07 | 20.3 | 31.4 | 1230 | 2.6 |
| W844060 | | 10.40 | 0.17 | 2.1 | 0.033 | 1.68 | 27.3 | 16.5 | 0.99 | 575 | 6.91 | 0.06 | 17.2 | 42.2 | 1280 | 3.0 |
| W844061 | | 10.70 | 0.18 | 2.2 | 0.040 | 1.68 | 30.3 | 16.2 | 0.85 | 431 | 7.83 | 0.06 | 16.9 | 47.8 | 1360 | 2.9 |
| W844062 | | 10.35 | 0.16 | 2.0 | 0.046 | 1.68 | 24.0 | 15.8 | 1.20 | 523 | 7.68 | 0.06 | 16.9 | 42.6 | 1550 | 2.7 |
| W844063 | | 11.25 | 0.16 | 2.3 | 0.043 | 1.76 | 28.6 | 17.5 | 1.02 | 554 | 7.36 | 0.06 | 18.8 | 45.5 | 1350 | 3.0 |
| W844064 | | 10.20 | 0.17 | 2.0 | 0.044 | 1.51 | 24.6 | 13.9 | 1.11 | 420 | 8.55 | 0.06 | 16.4 | 45.8 | 1910 | 2.9 |
| W844065 | | 10.25 | 0.17 | 2.1 | 0.039 | 1.53 | 27.9 | 14.1 | 1.43 | 559 | 8.68 | 0.06 | 17.4 | 51.7 | 1860 | 3.1 |
| W844066 | | 10.30 | 0.15 | 2.2 | 0.032 | 1.55 | 24.7 | 14.2 | 1.23 | 497 | 6.32 | 0.06 | 16.4 | 38.8 | 1780 | 3.7 |
| W844067 | | 11.60 | 0.16 | 2.2 | 0.037 | 1.79 | 26.4 | 15.8 | 1.25 | 460 | 7.48 | 0.07 | 19.5 | 39.1 | 1990 | 4.0 |
| W844068 | | 10.80 | 0.13 | 2.1 | 0.037 | 1.68 | 26.8 | 15.4 | 1.87 | 658 | 7.11 | 0.07 | 19.3 | 37.5 | 1200 | 2.8 |
| W844069 | | 11.40 | 0.12 | 2.3 | 0.031 | 1.79 | 27.5 | 15.3 | 1.76 | 565 | 9.03 | 0.07 | 21.1 | 39.5 | 1470 | 3.6 |
| W844070 | | 11.10 | 0.14 | 2.3 | 0.035 | 1.76 | 28.5 | 15.4 | 1.51 | 494 | 7.99 | 0.07 | 19.8 | 40.8 | 1460 | 4.1 |
| W844071 | | 11.80 | 0.16 | 2.6 | 0.039 | 1.88 | 31.0 | 16.4 | 1.56 | 476 | 8.06 | 0.07 | 21.5 | 40.3 | 1450 | 3.7 |
| W844072 | | 11.35 | 0.13 | 2.3 | 0.036 | 1.86 | 27.4 | 16.2 | 1.47 | 459 | 6.26 | 0.07 | 20.4 | 33.7 | 1340 | 3.0 |
| W844073 | | 12.40 | 0.17 | 2.6 | 0.036 | 1.96 | 30.8 | 17.3 | 1.38 | 435 | 8.30 | 0.08 | 23.2 | 42.5 | 1350 | 3.2 |
| W844074 | | 10.75 | 0.16 | 2.2 | 0.032 | 1.76 | 26.2 | 15.3 | 1.56 | 560 | 5.69 | 0.07 | 19.9 | 36.4 | 1090 | 3.0 |
| W844075 | | 11.65 | 0.13 | 2.4 | 0.028 | 1.88 | 28.2 | 16.2 | 1.46 | 500 | 6.05 | 0.07 | 22.4 | 38.7 | 1250 | 3.0 |
| W844076 | | 11.85 | 0.14 | 2.4 | 0.039 | 1.95 | 28.3 | 16.5 | 1.32 | 460 | 7.25 | 0.07 | 23.2 | 40.9 | 1610 | 3.2 |
| W844077 | | 11.55 | 0.18 | 2.6 | 0.048 | 1.89 | 31.1 | 16.3 | 1.57 | 567 | 5.96 | 0.07 | 23.9 | 38.6 | 1700 | 3.0 |
| W844078 | | 10.90 | 0.15 | 2.5 | 0.046 | 1.81 | 30.0 | 15.3 | 1.58 | 620 | 6.44 | 0.07 | 22.6 | 39.8 | 1640 | 3.0 |
| W844079 | | 11.00 | 0.15 | 2.2 | 0.048 | 1.75 | 28.0 | 14.3 | 1.57 | 534 | 6.46 | 0.06 | 21.1 | 37.9 | 1470 | 3.1 |
| W844080 | | 11.35 | 0.15 | 2.4 | 0.038 | 1.85 | 29.2 | 14.6 | 1.61 | 544 | 6.51 | 0.07 | 22.0 | 38.6 | 1390 | 3.4 |
| W844081 | | 11.75 | 0.19 | 2.4 | 0.039 | 1.90 | 31.5 | 15.2 | 1.65 | 511 | 6.58 | 0.07 | 23.8 | 36.9 | 1490 | 3.4 |
| W844082 | | 11.55 | 0.14 | 2.4 | 0.034 | 1.88 | 29.6 | 15.0 | 1.57 | 506 | 6.01 | 0.07 | 22.5 | 33.8 | 1460 | 3.0 |
| W844083 | | 10.75 | 0.16 | 2.3 | 0.030 | 1.78 | 25.7 | 14.5 | 1.62 | 534 | 5.58 | 0.06 | 21.1 | 29.9 | 1560 | 2.8 |
| W844084 | | 10.20 | 0.14 | 2.0 | 0.037 | 1.73 | 26.1 | 13.5 | 1.72 | 556 | 5.34 | 0.06 | 19.2 | 30.7 | 1680 | 2.8 |
| W844085 | | 10.25 | 0.15 | 2.1 | 0.038 | 1.69 | 28.0 | 12.8 | 1.73 | 497 | 6.11 | 0.06 | 18.6 | 31.6 | 1350 | 3.3 |

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

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**Finalized Date: 14-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204440

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844046 | | 102.0 | 0.011 | 4.31 | 3.82 | 12.2 | 4 | 5.3 | 91.1 | 1.59 | 0.06 | 8.32 | 0.473 | 0.52 | 7.4 | 165 |
| W844047 | | 109.0 | 0.011 | 3.95 | 2.63 | 12.4 | 4 | 5.8 | 96.2 | 1.59 | 0.05 | 8.45 | 0.496 | 0.53 | 7.0 | 158 |
| W844048 | | 107.5 | 0.010 | 3.35 | 3.13 | 12.2 | 4 | 5.8 | 106.5 | 1.66 | 0.05 | 8.28 | 0.516 | 0.54 | 6.2 | 162 |
| W844049 | | 96.1 | 0.006 | 3.18 | 2.79 | 10.5 | 3 | 5.2 | 115.5 | 1.59 | 0.05 | 8.35 | 0.477 | 0.49 | 4.5 | 127 |
| W844050 | | 102.5 | 0.006 | 2.37 | 1.68 | 10.8 | 2 | 5.2 | 122.5 | 1.67 | <0.05 | 9.45 | 0.497 | 0.54 | 4.0 | 118 |
| W844051 | | 104.5 | 0.004 | 1.94 | 1.74 | 10.8 | 2 | 5.7 | 117.0 | 1.75 | <0.05 | 9.91 | 0.515 | 0.54 | 3.7 | 115 |
| W844052 | | 105.5 | 0.007 | 1.92 | 1.72 | 10.7 | 2 | 5.8 | 135.0 | 1.60 | <0.05 | 10.15 | 0.514 | 0.53 | 4.0 | 132 |
| W844053 | | 110.0 | 0.008 | 2.62 | 2.01 | 10.9 | 3 | 6.3 | 153.5 | 1.65 | 0.05 | 10.60 | 0.516 | 0.57 | 4.7 | 148 |
| W844054 | | 104.0 | 0.009 | 2.70 | 4.03 | 10.5 | 3 | 5.7 | 136.5 | 1.62 | 0.05 | 9.98 | 0.494 | 0.57 | 4.4 | 134 |
| W844055 | | 92.8 | 0.007 | 2.25 | 2.40 | 9.9 | 3 | 5.1 | 139.0 | 1.49 | 0.05 | 8.41 | 0.463 | 0.48 | 5.3 | 152 |
| W844056 | | 104.0 | <0.002 | 0.03 | 1.70 | 13.4 | 2 | 2.0 | 41.7 | 1.63 | 0.07 | 8.61 | 0.548 | 0.59 | 6.4 | 207 |
| W844057 | | 82.9 | 0.003 | 0.07 | 1.65 | 10.4 | 1 | 1.7 | 44.4 | 1.24 | 0.07 | 7.61 | 0.402 | 0.45 | 4.2 | 166 |
| W844058 | | 89.0 | <0.002 | 0.07 | 1.46 | 10.6 | 1 | 1.8 | 51.2 | 1.36 | 0.08 | 7.82 | 0.385 | 0.53 | 4.7 | 165 |
| W844059 | | 75.1 | 0.003 | 0.09 | 0.99 | 9.0 | 1 | 1.5 | 48.6 | 1.16 | 0.09 | 5.98 | 0.342 | 0.48 | 4.0 | 141 |
| W844060 | | 67.0 | 0.003 | 0.31 | 1.29 | 8.3 | 3 | 1.5 | 53.4 | 0.99 | 0.15 | 5.82 | 0.306 | 0.41 | 4.4 | 140 |
| W844061 | | 70.2 | 0.009 | 0.88 | 2.03 | 8.6 | 5 | 1.6 | 58.1 | 0.90 | 0.15 | 5.72 | 0.286 | 0.42 | 4.3 | 152 |
| W844062 | | 68.5 | 0.017 | 1.51 | 1.78 | 8.4 | 4 | 1.6 | 84.7 | 0.97 | 0.13 | 5.19 | 0.289 | 0.40 | 4.1 | 172 |
| W844063 | | 72.9 | 0.004 | 0.50 | 1.52 | 8.9 | 3 | 1.7 | 58.1 | 1.07 | 0.13 | 6.27 | 0.311 | 0.45 | 4.5 | 149 |
| W844064 | | 59.4 | 0.023 | 1.77 | 3.04 | 8.2 | 3 | 1.3 | 83.4 | 0.94 | 0.13 | 5.12 | 0.276 | 0.39 | 4.8 | 176 |
| W844065 | | 59.6 | 0.021 | 1.76 | 6.98 | 8.6 | 3 | 1.3 | 97.1 | 0.98 | 0.11 | 5.25 | 0.304 | 0.39 | 4.9 | 185 |
| W844066 | | 58.1 | 0.015 | 1.62 | 8.54 | 8.3 | 3 | 1.3 | 86.7 | 0.98 | 0.14 | 5.32 | 0.278 | 0.37 | 3.9 | 162 |
| W844067 | | 68.3 | 0.016 | 1.70 | 10.15 | 9.1 | 3 | 1.4 | 97.1 | 1.15 | 0.10 | 5.91 | 0.347 | 0.51 | 4.3 | 160 |
| W844068 | | 64.8 | 0.018 | 1.63 | 10.05 | 8.4 | 3 | 1.4 | 128.5 | 1.08 | 0.08 | 5.98 | 0.331 | 0.43 | 3.9 | 159 |
| W844069 | | 67.8 | 0.010 | 2.55 | 9.30 | 8.5 | 3 | 1.4 | 117.5 | 1.23 | 0.08 | 6.34 | 0.346 | 0.47 | 4.0 | 137 |
| W844070 | | 66.3 | 0.018 | 2.08 | 6.18 | 8.4 | 3 | 1.4 | 105.5 | 1.14 | 0.11 | 6.31 | 0.334 | 0.46 | 4.0 | 150 |
| W844071 | | 72.3 | 0.020 | 2.16 | 5.61 | 9.0 | 3 | 1.5 | 111.0 | 1.27 | 0.07 | 7.02 | 0.357 | 0.46 | 4.4 | 149 |
| W844072 | | 71.7 | 0.014 | 1.50 | 4.05 | 8.7 | 2 | 1.5 | 108.5 | 1.19 | 0.06 | 6.01 | 0.352 | 0.44 | 4.0 | 143 |
| W844073 | | 77.4 | 0.023 | 1.46 | 4.52 | 9.5 | 3 | 1.6 | 95.5 | 1.31 | 0.08 | 6.97 | 0.370 | 0.49 | 4.7 | 168 |
| W844074 | | 68.3 | 0.012 | 1.51 | 3.81 | 8.4 | 2 | 1.4 | 110.0 | 1.13 | 0.08 | 5.96 | 0.335 | 0.41 | 3.9 | 130 |
| W844075 | | 74.9 | 0.010 | 1.77 | 4.24 | 8.9 | 3 | 1.5 | 105.0 | 1.29 | 0.11 | 6.38 | 0.368 | 0.44 | 4.5 | 134 |
| W844076 | | 75.1 | 0.017 | 1.99 | 4.44 | 9.2 | 3 | 1.6 | 95.0 | 1.36 | 0.10 | 6.50 | 0.376 | 0.47 | 5.0 | 151 |
| W844077 | | 73.1 | 0.014 | 2.01 | 4.11 | 9.1 | 3 | 1.5 | 110.0 | 1.36 | 0.10 | 6.95 | 0.376 | 0.45 | 5.2 | 141 |
| W844078 | | 69.0 | 0.013 | 2.22 | 4.25 | 8.4 | 3 | 1.4 | 109.5 | 1.32 | 0.12 | 6.29 | 0.353 | 0.45 | 5.2 | 138 |
| W844079 | | 68.5 | 0.011 | 1.98 | 3.58 | 8.5 | 3 | 1.4 | 121.5 | 1.22 | 0.07 | 6.06 | 0.338 | 0.47 | 4.9 | 142 |
| W844080 | | 71.4 | 0.013 | 1.85 | 3.27 | 8.7 | 3 | 1.4 | 123.5 | 1.31 | 0.07 | 6.63 | 0.361 | 0.48 | 4.5 | 144 |
| W844081 | | 75.1 | 0.014 | 1.72 | 3.05 | 9.0 | 2 | 1.5 | 127.5 | 1.34 | 0.09 | 7.04 | 0.374 | 0.46 | 4.6 | 144 |
| W844082 | | 73.2 | 0.014 | 1.48 | 2.95 | 8.9 | 2 | 1.5 | 120.5 | 1.25 | 0.09 | 6.65 | 0.359 | 0.44 | 4.4 | 138 |
| W844083 | | 69.3 | 0.014 | 1.59 | 3.25 | 8.5 | 3 | 1.4 | 123.5 | 1.26 | 0.08 | 5.67 | 0.349 | 0.43 | 4.1 | 132 |
| W844084 | | 65.6 | 0.015 | 1.79 | 3.24 | 8.0 | 2 | 1.3 | 132.5 | 1.13 | 0.09 | 5.52 | 0.334 | 0.44 | 4.0 | 126 |
| W844085 | | 63.9 | 0.013 | 1.72 | 2.93 | 8.1 | 2 | 1.4 | 127.5 | 1.06 | 0.07 | 5.81 | 0.326 | 0.42 | 4.0 | 129 |

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

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**Finalized Date: 14-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204440

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844046 | | 2.4 | 15.2 | 20 | 124.0 | 0.056 |
| W844047 | | 3.1 | 15.8 | 18 | 131.5 | 0.047 |
| W844048 | | 2.4 | 15.0 | 17 | 125.0 | 0.089 |
| W844049 | | 1.7 | 14.1 | 19 | 111.5 | 0.055 |
| W844050 | | 1.7 | 15.0 | 23 | 108.0 | 0.027 |
| W844051 | | 2.0 | 14.5 | 23 | 107.5 | 0.017 |
| W844052 | | 1.8 | 15.5 | 20 | 109.0 | 0.011 |
| W844053 | | 2.0 | 18.5 | 31 | 114.5 | 0.024 |
| W844054 | | 2.1 | 17.2 | 30 | 103.5 | 0.023 |
| W844055 | | 1.8 | 13.9 | 58 | 97.1 | 0.021 |
| W844056 | | 2.3 | 16.6 | 56 | 143.0 | 0.006 |
| W844057 | | 1.2 | 13.7 | 51 | 115.5 | 0.006 |
| W844058 | | 1.2 | 13.6 | 40 | 118.5 | 0.009 |
| W844059 | | 1.3 | 10.5 | 38 | 103.5 | 0.008 |
| W844060 | | 1.6 | 10.1 | 44 | 90.8 | 0.008 |
| W844061 | | 1.7 | 11.7 | 37 | 91.3 | 0.009 |
| W844062 | | 1.3 | 12.5 | 29 | 87.3 | 0.008 |
| W844063 | | 1.5 | 11.7 | 46 | 102.0 | 0.011 |
| W844064 | | 1.8 | 12.5 | 105 | 91.4 | 0.014 |
| W844065 | | 2.1 | 13.5 | 83 | 93.9 | 0.017 |
| W844066 | | 2.0 | 11.4 | 80 | 80.9 | 0.039 |
| W844067 | | 5.7 | 12.6 | 53 | 90.6 | 0.034 |
| W844068 | | 2.8 | 12.3 | 36 | 90.7 | 0.025 |
| W844069 | | 5.9 | 12.3 | 32 | 98.1 | 0.029 |
| W844070 | | 4.6 | 12.6 | 31 | 95.4 | 0.046 |
| W844071 | | 2.4 | 12.3 | 33 | 104.5 | 0.023 |
| W844072 | | 1.7 | 12.0 | 33 | 96.3 | 0.022 |
| W844073 | | 32.6 | 12.9 | 37 | 113.5 | 0.020 |
| W844074 | | 1.9 | 11.5 | 31 | 96.1 | 0.023 |
| W844075 | | 3.2 | 12.4 | 28 | 107.0 | 0.019 |
| W844076 | | 3.2 | 13.1 | 33 | 111.5 | 0.021 |
| W844077 | | 2.8 | 14.0 | 76 | 116.0 | 0.021 |
| W844078 | | 2.3 | 13.5 | 104 | 111.0 | 0.019 |
| W844079 | | 1.9 | 12.6 | 75 | 104.5 | 0.014 |
| W844080 | | 1.7 | 12.9 | 52 | 106.0 | 0.012 |
| W844081 | | 1.8 | 14.1 | 43 | 106.5 | 0.015 |
| W844082 | | 1.6 | 13.0 | 37 | 105.0 | 0.017 |
| W844083 | | 1.4 | 12.6 | 43 | 105.0 | 0.013 |
| W844084 | | 1.2 | 12.4 | 44 | 88.2 | 0.013 |
| W844085 | | 1.8 | 12.2 | 40 | 92.4 | 0.020 |

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

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


**Finalized Date: 14-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204440

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844086 | | 2.21 | 0.16 | 6.61 | 19.6 | 2080 | 1.73 | 0.59 | 0.58 | 0.18 | 97.1 | 14.1 | 70 | 5.44 | 60.1 | 5.78 |
| W844087 | | 2.08 | 0.19 | 7.41 | 12.7 | 2350 | 2.00 | 0.50 | 0.51 | 0.21 | 112.5 | 13.3 | 61 | 6.47 | 61.0 | 6.27 |
| W844088 | | 2.52 | 0.16 | 6.73 | 11.3 | 2030 | 1.86 | 0.14 | 0.68 | 0.19 | 91.5 | 14.8 | 60 | 5.43 | 38.8 | 5.39 |
| W844089 | | 2.23 | 0.21 | 7.65 | 32.6 | 2600 | 2.27 | 0.29 | 1.08 | 0.24 | 94.2 | 25.3 | 57 | 6.69 | 25.4 | 4.69 |
| W844090 | | 2.83 | 0.16 | 7.24 | 29.7 | 2120 | 2.05 | 0.20 | 1.50 | 0.23 | 120.0 | 25.2 | 46 | 5.46 | 44.8 | 6.91 |
| W844091 | | 2.52 | 0.16 | 7.30 | 10.4 | 2390 | 1.94 | 0.12 | 1.56 | 0.25 | 104.0 | 23.0 | 46 | 6.12 | 66.3 | 5.85 |
| W844092 | | 2.54 | 0.27 | 7.42 | 5.1 | 2720 | 2.29 | 0.62 | 1.29 | 0.18 | 124.0 | 30.3 | 51 | 6.50 | 100.0 | 6.17 |
| W844093 | | 2.41 | 0.27 | 4.86 | 5.9 | 1900 | 1.55 | 0.88 | 2.59 | 0.15 | 70.7 | 24.1 | 54 | 3.91 | 78.3 | 4.67 |
| W844094 | | 3.15 | 0.20 | 7.89 | 5.3 | 2800 | 2.62 | 0.58 | 1.17 | 0.17 | 108.0 | 21.5 | 84 | 7.07 | 71.9 | 5.41 |
| W844095 | | 3.38 | 0.13 | 7.43 | 6.8 | 2030 | 2.25 | 0.42 | 1.17 | 0.17 | 98.3 | 20.8 | 105 | 5.09 | 62.9 | 6.98 |
| W844096 | | 3.04 | 0.20 | 7.53 | 19.7 | 1840 | 2.12 | 0.41 | 0.93 | 0.17 | 101.5 | 21.2 | 118 | 4.84 | 51.4 | 6.85 |
| W844097 | | 3.07 | 0.08 | 7.37 | 31.6 | 1700 | 2.00 | 0.25 | 0.69 | 0.12 | 97.6 | 23.7 | 101 | 4.41 | 38.9 | 7.82 |
| W844098 | | 2.97 | 0.10 | 7.44 | 46.3 | 2170 | 2.31 | 0.40 | 0.78 | 0.13 | 112.5 | 21.1 | 68 | 6.50 | 39.1 | 6.62 |
| W844099 | | 3.06 | 0.11 | 6.78 | 39.0 | 1910 | 2.00 | 0.29 | 1.00 | 0.27 | 99.6 | 19.8 | 61 | 5.51 | 36.4 | 6.47 |
| W844100 | | 2.75 | 0.09 | 6.79 | 36.0 | 1940 | 2.08 | 0.31 | 1.55 | 0.18 | 104.0 | 16.3 | 61 | 6.12 | 34.3 | 6.22 |
| W844101 | | 2.61 | 0.09 | 6.69 | 23.4 | 1840 | 2.01 | 0.36 | 1.44 | 0.21 | 93.9 | 17.2 | 60 | 5.54 | 38.0 | 6.02 |
| W844102 | | 2.94 | 0.13 | 7.18 | 19.9 | 1870 | 2.21 | 0.42 | 2.01 | 0.26 | 102.0 | 20.5 | 80 | 6.37 | 44.4 | 6.29 |
| W844103 | | 2.80 | 0.23 | 7.47 | 18.1 | 1150 | 2.21 | 0.79 | 1.71 | 0.24 | 105.5 | 32.5 | 81 | 6.83 | 83.0 | 7.28 |
| W844104 | | 2.50 | 0.16 | 6.90 | 17.8 | 1820 | 2.19 | 0.43 | 2.09 | 0.20 | 109.5 | 20.2 | 69 | 6.02 | 41.3 | 5.95 |
| W844105 | | 2.44 | 0.21 | 6.55 | 12.7 | 1660 | 2.07 | 0.74 | 2.38 | 0.26 | 109.5 | 22.2 | 55 | 6.35 | 54.4 | 5.96 |
| W844106 | | 2.73 | 0.20 | 6.85 | 12.0 | 960 | 2.25 | 0.84 | 1.62 | 0.28 | 101.5 | 23.1 | 57 | 7.00 | 55.1 | 5.77 |
| W844107 | | 2.82 | 0.23 | 7.58 | 13.3 | 930 | 2.46 | 0.78 | 1.54 | 0.23 | 118.5 | 28.2 | 59 | 7.22 | 56.4 | 6.94 |
| W844108 | | 2.63 | 0.08 | 6.88 | 12.6 | 1790 | 1.89 | 0.20 | 1.20 | 0.11 | 106.0 | 13.6 | 56 | 4.92 | 24.7 | 6.03 |
| W844109 | | 2.56 | 0.16 | 7.11 | 12.3 | 1830 | 2.24 | 0.65 | 1.67 | 0.15 | 102.0 | 24.7 | 62 | 6.37 | 65.1 | 6.35 |
| W844110 | | 2.40 | 0.13 | 6.88 | 9.9 | 1790 | 2.10 | 0.45 | 2.36 | 0.14 | 107.5 | 22.5 | 58 | 6.11 | 50.7 | 6.13 |
| W844111 | | 2.78 | 0.11 | 6.58 | 10.7 | 1640 | 2.04 | 0.33 | 2.48 | 0.12 | 104.5 | 18.1 | 57 | 5.72 | 38.3 | 5.12 |
| W844112 | | 2.67 | 0.08 | 6.14 | 8.7 | 1490 | 1.85 | 0.23 | 2.64 | 0.14 | 95.2 | 14.5 | 52 | 5.24 | 33.8 | 5.02 |
| W844113 | | 2.54 | 0.09 | 6.18 | 9.2 | 1350 | 1.68 | 0.22 | 2.41 | 0.16 | 87.0 | 15.9 | 55 | 4.98 | 38.2 | 5.89 |
| W844114 | | 2.66 | 0.13 | 5.94 | 6.6 | 1230 | 1.67 | 0.26 | 3.05 | 0.17 | 89.3 | 16.1 | 61 | 5.00 | 45.1 | 5.38 |
| W844115 | | 2.59 | 0.17 | 6.10 | 7.5 | 1200 | 1.76 | 0.39 | 3.39 | 0.17 | 91.6 | 18.1 | 68 | 5.49 | 51.4 | 5.21 |
| W844116 | | 2.99 | 0.16 | 7.22 | 9.7 | 1330 | 2.17 | 0.54 | 2.83 | 0.20 | 99.2 | 20.5 | 90 | 6.45 | 50.7 | 5.34 |
| W844117 | | 2.55 | 0.24 | 7.40 | 9.2 | 1200 | 2.17 | 0.67 | 1.80 | 0.15 | 99.4 | 21.7 | 99 | 6.80 | 64.4 | 5.99 |
| W844118 | | 2.69 | 0.27 | 7.47 | 12.6 | 1270 | 2.24 | 0.64 | 1.94 | 0.21 | 99.8 | 24.5 | 97 | 6.55 | 67.1 | 6.37 |
| W844119 | | 2.53 | 0.20 | 7.37 | 10.3 | 1370 | 2.26 | 0.61 | 2.46 | 0.37 | 96.3 | 20.1 | 98 | 6.20 | 57.8 | 5.78 |
| W844120 | | 2.62 | 0.18 | 7.36 | 9.5 | 1350 | 2.21 | 0.59 | 2.13 | 0.29 | 98.6 | 20.3 | 94 | 6.24 | 54.3 | 5.54 |
| W844121 | | 3.20 | 0.14 | 7.46 | 11.1 | 1420 | 2.20 | 0.41 | 1.67 | 0.20 | 101.0 | 21.7 | 91 | 6.33 | 55.6 | 6.09 |
| W844122 | | 3.37 | 0.09 | 7.35 | 14.8 | 1370 | 2.00 | 0.30 | 1.58 | 0.15 | 103.5 | 19.1 | 73 | 5.34 | 42.4 | 6.80 |
| W844123 | | 3.22 | 0.18 | 7.14 | 15.8 | 1400 | 2.12 | 0.36 | 1.95 | 0.15 | 107.0 | 20.6 | 69 | 5.40 | 57.6 | 6.77 |
| W844124 | | 3.04 | 0.14 | 7.41 | 18.0 | 1570 | 2.30 | 0.40 | 1.63 | 0.16 | 120.5 | 21.5 | 75 | 5.76 | 63.0 | 6.93 |
| W844125 | | 3.30 | 0.13 | 7.29 | 16.5 | 1730 | 2.41 | 0.31 | 1.63 | 0.22 | 112.5 | 18.7 | 74 | 6.00 | 46.3 | 6.29 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 14-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204440

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844086 | | 18.10 | 0.18 | 2.4 | 0.085 | 2.63 | 51.3 | 24.6 | 1.33 | 444 | 3.94 | 0.28 | 40.8 | 35.1 | 2120 | 5.6 |
| W844087 | | 20.9 | 0.21 | 3.1 | 0.103 | 2.96 | 59.3 | 29.5 | 1.79 | 326 | 2.37 | 0.36 | 51.7 | 27.6 | 1920 | 5.7 |
| W844088 | | 19.25 | 0.21 | 2.1 | 0.085 | 2.58 | 49.2 | 29.4 | 1.57 | 485 | 1.52 | 0.37 | 42.3 | 31.6 | 1390 | 11.2 |
| W844089 | | 20.8 | 0.22 | 3.5 | 0.095 | 3.16 | 49.0 | 34.0 | 1.49 | 431 | 1.62 | 0.33 | 37.3 | 34.3 | 2170 | 11.8 |
| W844090 | | 21.6 | 0.24 | 1.8 | 0.103 | 2.50 | 64.6 | 33.7 | 2.17 | 537 | 0.92 | 0.56 | 66.8 | 28.4 | 1350 | 9.4 |
| W844091 | | 20.2 | 0.23 | 1.9 | 0.087 | 2.85 | 54.8 | 29.0 | 1.78 | 630 | 1.14 | 0.34 | 50.3 | 32.7 | 1500 | 8.1 |
| W844092 | | 21.2 | 0.28 | 3.3 | 0.089 | 3.18 | 66.6 | 25.1 | 1.50 | 506 | 3.23 | 0.18 | 54.1 | 37.3 | 2080 | 4.1 |
| W844093 | | 13.85 | 0.13 | 2.4 | 0.051 | 2.10 | 37.2 | 19.1 | 1.54 | 727 | 3.53 | 0.09 | 30.5 | 39.2 | 1690 | 7.3 |
| W844094 | | 22.4 | 0.18 | 3.9 | 0.080 | 3.22 | 55.6 | 30.5 | 1.61 | 397 | 2.74 | 0.28 | 43.7 | 43.1 | 2120 | 4.5 |
| W844095 | | 22.3 | 0.14 | 2.3 | 0.075 | 2.41 | 50.2 | 33.5 | 2.05 | 422 | 2.80 | 0.74 | 43.4 | 67.0 | 1820 | 6.0 |
| W844096 | | 22.8 | 0.18 | 2.5 | 0.075 | 2.17 | 51.2 | 33.2 | 1.86 | 412 | 1.62 | 1.17 | 45.0 | 82.7 | 2000 | 15.8 |
| W844097 | | 20.8 | 0.14 | 1.8 | 0.078 | 2.13 | 50.1 | 31.1 | 1.98 | 544 | 1.76 | 1.03 | 38.0 | 77.3 | 1750 | 4.5 |
| W844098 | | 21.3 | 0.14 | 2.9 | 0.073 | 2.75 | 58.4 | 30.3 | 1.54 | 1140 | 2.24 | 0.61 | 45.0 | 59.0 | 2150 | 4.1 |
| W844099 | | 18.95 | 0.15 | 2.5 | 0.067 | 2.40 | 52.2 | 34.8 | 1.68 | 1160 | 2.73 | 0.54 | 41.8 | 51.0 | 1820 | 5.1 |
| W844100 | | 19.05 | 0.17 | 2.4 | 0.074 | 2.59 | 56.1 | 28.7 | 1.93 | 751 | 1.79 | 0.50 | 42.3 | 43.5 | 2200 | 3.9 |
| W844101 | | 17.90 | 0.14 | 2.5 | 0.075 | 2.58 | 51.0 | 25.7 | 1.90 | 614 | 2.28 | 0.44 | 41.1 | 45.2 | 1840 | 4.1 |
| W844102 | | 20.1 | 0.17 | 3.1 | 0.074 | 2.94 | 53.9 | 28.3 | 1.92 | 745 | 2.32 | 0.35 | 41.1 | 55.2 | 1810 | 4.4 |
| W844103 | | 21.0 | 0.17 | 3.3 | 0.076 | 3.09 | 53.8 | 31.9 | 1.71 | 626 | 3.02 | 0.31 | 43.2 | 77.9 | 2120 | 5.1 |
| W844104 | | 19.45 | 0.17 | 2.7 | 0.075 | 2.90 | 58.2 | 26.5 | 1.92 | 645 | 2.37 | 0.24 | 43.4 | 50.3 | 1970 | 3.8 |
| W844105 | | 18.70 | 0.16 | 2.9 | 0.071 | 2.73 | 58.8 | 27.9 | 1.93 | 650 | 3.27 | 0.19 | 48.9 | 43.5 | 2490 | 4.4 |
| W844106 | | 20.3 | 0.16 | 3.6 | 0.087 | 2.84 | 53.5 | 29.6 | 1.86 | 517 | 4.78 | 0.25 | 43.9 | 42.5 | 2220 | 5.5 |
| W844107 | | 22.3 | 0.18 | 2.9 | 0.091 | 2.97 | 63.0 | 36.9 | 2.14 | 520 | 6.64 | 0.33 | 56.4 | 49.4 | 1830 | 7.2 |
| W844108 | | 19.20 | 0.16 | 1.9 | 0.072 | 2.51 | 56.4 | 28.1 | 1.95 | 450 | 1.17 | 0.39 | 49.5 | 34.4 | 1660 | 4.7 |
| W844109 | | 20.0 | 0.18 | 2.7 | 0.071 | 2.76 | 54.2 | 31.4 | 2.08 | 538 | 3.51 | 0.31 | 43.2 | 45.5 | 2220 | 5.3 |
| W844110 | | 19.35 | 0.19 | 2.5 | 0.073 | 2.69 | 56.0 | 29.9 | 2.14 | 639 | 2.26 | 0.26 | 42.8 | 43.4 | 2140 | 4.7 |
| W844111 | | 18.65 | 0.16 | 2.5 | 0.081 | 2.62 | 56.3 | 31.2 | 1.90 | 603 | 1.90 | 0.20 | 44.3 | 36.8 | 1800 | 3.9 |
| W844112 | | 17.35 | 0.17 | 2.1 | 0.072 | 2.48 | 51.8 | 26.5 | 1.86 | 593 | 1.42 | 0.17 | 41.1 | 30.8 | 1660 | 3.4 |
| W844113 | | 17.40 | 0.16 | 1.9 | 0.069 | 2.55 | 46.1 | 25.9 | 2.08 | 672 | 1.15 | 0.23 | 40.3 | 32.2 | 1670 | 3.5 |
| W844114 | | 16.40 | 0.14 | 2.0 | 0.061 | 2.54 | 47.5 | 22.6 | 2.09 | 639 | 2.21 | 0.17 | 37.2 | 33.8 | 1840 | 3.0 |
| W844115 | | 17.40 | 0.17 | 2.4 | 0.063 | 2.67 | 49.2 | 23.0 | 2.09 | 654 | 3.00 | 0.18 | 34.8 | 43.6 | 1900 | 2.7 |
| W844116 | | 20.9 | 0.20 | 3.1 | 0.072 | 3.19 | 51.5 | 25.1 | 1.87 | 592 | 2.92 | 0.21 | 35.5 | 59.7 | 1950 | 3.4 |
| W844117 | | 21.4 | 0.18 | 3.5 | 0.068 | 3.19 | 51.8 | 26.0 | 1.58 | 391 | 3.91 | 0.22 | 33.7 | 66.4 | 2000 | 4.0 |
| W844118 | | 21.7 | 0.18 | 3.2 | 0.068 | 3.16 | 50.8 | 27.7 | 1.58 | 409 | 3.11 | 0.25 | 35.2 | 74.8 | 1970 | 4.2 |
| W844119 | | 21.3 | 0.16 | 3.6 | 0.071 | 3.19 | 49.6 | 24.4 | 1.49 | 398 | 3.75 | 0.22 | 34.2 | 66.4 | 2010 | 3.7 |
| W844120 | | 21.1 | 0.19 | 3.8 | 0.074 | 3.19 | 51.2 | 24.9 | 1.46 | 364 | 3.73 | 0.21 | 35.5 | 62.5 | 1980 | 3.5 |
| W844121 | | 21.6 | 0.16 | 2.9 | 0.072 | 3.10 | 52.1 | 28.3 | 1.71 | 392 | 2.20 | 0.28 | 37.5 | 60.1 | 1770 | 3.5 |
| W844122 | | 21.0 | 0.16 | 2.2 | 0.073 | 2.58 | 53.5 | 29.3 | 1.75 | 454 | 1.71 | 0.49 | 44.0 | 52.8 | 1900 | 3.9 |
| W844123 | | 20.4 | 0.21 | 2.6 | 0.084 | 2.41 | 56.5 | 31.0 | 1.86 | 530 | 2.54 | 0.57 | 51.7 | 49.2 | 2010 | 4.6 |
| W844124 | | 22.0 | 0.17 | 2.9 | 0.076 | 2.59 | 65.5 | 31.7 | 1.83 | 475 | 2.38 | 0.57 | 58.2 | 51.5 | 1800 | 5.1 |
| W844125 | | 22.1 | 0.20 | 2.8 | 0.081 | 2.62 | 59.6 | 31.5 | 1.92 | 524 | 1.82 | 0.52 | 52.2 | 48.2 | 1590 | 5.7 |

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

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**Finalized Date: 14-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204440

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844086 | | 113.5 | <0.002 | 0.16 | 2.16 | 14.8 | 1 | 3.2 | 74.2 | 2.28 | 0.05 | 10.45 | 0.647 | 0.55 | 4.2 | 174 |
| W844087 | | 130.5 | <0.002 | 0.21 | 2.37 | 16.6 | 1 | 3.6 | 85.8 | 2.76 | 0.05 | 12.10 | 0.778 | 0.64 | 3.9 | 153 |
| W844088 | | 115.0 | 0.002 | 0.05 | 1.54 | 15.4 | 1 | 3.2 | 61.1 | 2.30 | <0.05 | 10.35 | 0.694 | 0.52 | 2.1 | 129 |
| W844089 | | 139.5 | <0.002 | 0.07 | 2.34 | 18.8 | 1 | 3.5 | 77.6 | 2.08 | <0.05 | 10.60 | 0.797 | 0.62 | 4.2 | 169 |
| W844090 | | 112.0 | <0.002 | 0.46 | 1.33 | 15.2 | 1 | 3.6 | 110.0 | 3.67 | <0.05 | 12.25 | 0.694 | 0.50 | 1.4 | 117 |
| W844091 | | 126.0 | 0.003 | 0.31 | 1.61 | 15.8 | 1 | 3.6 | 92.2 | 2.78 | <0.05 | 11.00 | 0.704 | 0.58 | 2.1 | 131 |
| W844092 | | 137.5 | 0.006 | 0.92 | 1.47 | 15.5 | 2 | 3.7 | 83.2 | 2.88 | 0.08 | 14.10 | 0.713 | 0.61 | 3.8 | 151 |
| W844093 | | 88.3 | 0.014 | 0.69 | 1.51 | 11.6 | 1 | 2.1 | 113.0 | 1.61 | 0.09 | 7.57 | 0.466 | 0.40 | 3.7 | 131 |
| W844094 | | 144.0 | 0.008 | 0.61 | 1.30 | 16.8 | 2 | 3.5 | 81.4 | 2.40 | 0.08 | 11.65 | 0.845 | 0.67 | 3.9 | 170 |
| W844095 | | 101.0 | 0.005 | 0.75 | 1.50 | 15.6 | 2 | 3.4 | 116.5 | 2.37 | 0.05 | 9.60 | 1.070 | 0.51 | 2.9 | 182 |
| W844096 | | 90.6 | 0.009 | 0.42 | 1.60 | 16.4 | 2 | 3.1 | 118.5 | 2.48 | <0.05 | 9.69 | 1.200 | 0.44 | 4.1 | 210 |
| W844097 | | 88.5 | 0.013 | 0.21 | 1.25 | 15.7 | 2 | 2.7 | 107.5 | 2.06 | <0.05 | 9.38 | 0.982 | 0.41 | 4.6 | 167 |
| W844098 | | 129.0 | 0.016 | 0.19 | 1.51 | 16.9 | 2 | 2.9 | 84.0 | 2.37 | 0.05 | 11.55 | 0.814 | 0.57 | 8.2 | 156 |
| W844099 | | 107.5 | 0.009 | 0.20 | 1.64 | 15.0 | 2 | 2.6 | 92.9 | 2.17 | <0.05 | 10.20 | 0.718 | 0.47 | 6.6 | 134 |
| W844100 | | 117.0 | 0.004 | 0.35 | 1.44 | 14.8 | 2 | 2.7 | 102.0 | 2.08 | <0.05 | 10.65 | 0.711 | 0.52 | 4.6 | 133 |
| W844101 | | 110.0 | 0.009 | 0.54 | 1.30 | 13.8 | 2 | 2.5 | 101.5 | 2.07 | 0.05 | 10.30 | 0.698 | 0.49 | 4.3 | 136 |
| W844102 | | 128.5 | 0.008 | 0.85 | 1.81 | 15.8 | 2 | 2.9 | 121.0 | 2.12 | <0.05 | 11.50 | 0.768 | 0.61 | 4.3 | 152 |
| W844103 | | 132.5 | 0.007 | 1.77 | 1.95 | 16.4 | 2 | 3.2 | 94.5 | 2.25 | 0.07 | 11.35 | 0.893 | 0.61 | 4.9 | 160 |
| W844104 | | 124.0 | 0.005 | 0.87 | 1.45 | 15.9 | 1 | 2.7 | 109.5 | 2.17 | <0.05 | 11.40 | 0.704 | 0.55 | 4.5 | 143 |
| W844105 | | 120.0 | 0.004 | 1.35 | 2.33 | 14.3 | 1 | 2.7 | 104.0 | 2.43 | <0.05 | 11.30 | 0.665 | 0.53 | 4.4 | 147 |
| W844106 | | 129.5 | 0.006 | 1.48 | 3.27 | 15.7 | 2 | 2.8 | 99.6 | 2.22 | <0.05 | 11.05 | 0.656 | 0.63 | 4.6 | 159 |
| W844107 | | 135.0 | 0.005 | 1.60 | 3.78 | 17.3 | 1 | 3.1 | 96.8 | 2.82 | 0.06 | 12.30 | 0.755 | 0.59 | 4.7 | 152 |
| W844108 | | 105.5 | 0.002 | 0.48 | 1.46 | 14.5 | 1 | 2.5 | 84.8 | 2.48 | <0.05 | 10.95 | 0.759 | 0.45 | 2.9 | 132 |
| W844109 | | 121.0 | 0.004 | 1.21 | 1.63 | 15.6 | 1 | 2.6 | 88.3 | 2.22 | 0.08 | 10.90 | 0.730 | 0.52 | 4.0 | 153 |
| W844110 | | 119.0 | 0.009 | 1.03 | 1.49 | 14.9 | 1 | 2.6 | 95.7 | 2.17 | 0.05 | 11.55 | 0.675 | 0.55 | 3.6 | 133 |
| W844111 | | 120.5 | 0.004 | 0.69 | 1.38 | 14.0 | 1 | 4.1 | 94.0 | 2.22 | <0.05 | 11.40 | 0.636 | 0.50 | 3.3 | 123 |
| W844112 | | 106.5 | 0.005 | 0.58 | 1.24 | 13.0 | 1 | 2.7 | 105.5 | 2.06 | <0.05 | 10.45 | 0.616 | 0.46 | 3.1 | 114 |
| W844113 | | 102.0 | 0.004 | 0.56 | 1.24 | 13.3 | <1 | 2.3 | 110.5 | 2.04 | <0.05 | 9.58 | 0.651 | 0.44 | 2.8 | 110 |
| W844114 | | 101.0 | 0.005 | 0.84 | 1.19 | 12.9 | 1 | 2.1 | 126.0 | 1.93 | <0.05 | 9.44 | 0.608 | 0.48 | 3.5 | 122 |
| W844115 | | 111.0 | 0.010 | 1.09 | 1.26 | 13.0 | 1 | 2.3 | 129.0 | 1.81 | 0.05 | 9.64 | 0.609 | 0.51 | 4.1 | 144 |
| W844116 | | 131.0 | 0.009 | 1.32 | 1.74 | 15.9 | 2 | 2.8 | 110.0 | 1.88 | 0.06 | 11.65 | 0.747 | 0.67 | 5.1 | 166 |
| W844117 | | 134.0 | 0.008 | 1.86 | 1.99 | 16.2 | 3 | 2.8 | 93.6 | 1.85 | 0.06 | 11.25 | 0.780 | 0.62 | 5.3 | 169 |
| W844118 | | 133.0 | 0.007 | 1.93 | 1.84 | 16.2 | 3 | 2.9 | 81.4 | 1.88 | 0.05 | 11.50 | 0.824 | 0.61 | 5.1 | 166 |
| W844119 | | 132.0 | 0.007 | 1.52 | 1.76 | 15.9 | 2 | 2.9 | 95.4 | 1.85 | <0.05 | 11.50 | 0.802 | 0.63 | 5.2 | 174 |
| W844120 | | 135.5 | 0.006 | 1.50 | 1.66 | 15.8 | 2 | 2.8 | 86.1 | 1.86 | <0.05 | 11.70 | 0.793 | 0.64 | 4.9 | 161 |
| W844121 | | 132.0 | 0.008 | 1.18 | 1.59 | 15.8 | 2 | 2.9 | 76.8 | 1.99 | <0.05 | 11.60 | 0.829 | 0.63 | 4.3 | 161 |
| W844122 | | 111.0 | 0.006 | 0.69 | 1.54 | 16.7 | 1 | 2.7 | 86.7 | 2.23 | <0.05 | 10.70 | 0.865 | 0.49 | 3.9 | 170 |
| W844123 | | 106.0 | 0.004 | 0.75 | 1.33 | 16.5 | 1 | 2.8 | 98.4 | 2.59 | <0.05 | 11.35 | 0.844 | 0.47 | 4.1 | 160 |
| W844124 | | 112.5 | 0.005 | 0.82 | 1.59 | 16.7 | 2 | 3.1 | 92.6 | 2.95 | 0.06 | 14.10 | 0.841 | 0.53 | 4.2 | 154 |
| W844125 | | 119.5 | 0.005 | 0.44 | 1.44 | 16.7 | 1 | 3.1 | 93.6 | 2.65 | <0.05 | 12.10 | 0.789 | 0.54 | 3.9 | 151 |

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

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


**Finalized Date: 14-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204440

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844086 | | 2.8 | 15.8 | 76 | 113.0 | 0.005 |
| W844087 | | 4.4 | 16.7 | 88 | 158.5 | <0.005 |
| W844088 | | 2.5 | 13.7 | 70 | 96.1 | <0.005 |
| W844089 | | 1.9 | 17.0 | 65 | 152.5 | 0.005 |
| W844090 | | 36.8 | 16.5 | 91 | 79.5 | <0.005 |
| W844091 | | 4.3 | 15.7 | 62 | 88.4 | 0.005 |
| W844092 | | 3.8 | 18.5 | 51 | 157.5 | 0.006 |
| W844093 | | 2.0 | 14.1 | 45 | 108.0 | 0.005 |
| W844094 | | 2.7 | 15.3 | 53 | 165.0 | 0.005 |
| W844095 | | 1.9 | 13.2 | 69 | 103.5 | 0.006 |
| W844096 | | 2.0 | 13.8 | 66 | 129.0 | <0.005 |
| W844097 | | 1.7 | 12.6 | 75 | 89.1 | <0.005 |
| W844098 | | 1.6 | 15.4 | 60 | 143.0 | <0.005 |
| W844099 | | 1.5 | 13.5 | 71 | 121.5 | <0.005 |
| W844100 | | 1.8 | 14.1 | 65 | 111.5 | <0.005 |
| W844101 | | 2.4 | 13.1 | 65 | 115.5 | <0.005 |
| W844102 | | 2.1 | 15.6 | 63 | 140.5 | <0.005 |
| W844103 | | 4.5 | 15.9 | 60 | 144.0 | 0.010 |
| W844104 | | 2.6 | 15.9 | 60 | 137.0 | <0.005 |
| W844105 | | 1.4 | 16.5 | 55 | 148.0 | <0.005 |
| W844106 | | 1.8 | 14.6 | 59 | 150.0 | 0.006 |
| W844107 | | 1.8 | 16.0 | 68 | 142.0 | <0.005 |
| W844108 | | 1.4 | 12.5 | 63 | 102.5 | <0.005 |
| W844109 | | 1.9 | 14.2 | 56 | 127.0 | <0.005 |
| W844110 | | 1.5 | 14.8 | 58 | 118.5 | 0.005 |
| W844111 | | 1.7 | 15.5 | 48 | 116.0 | <0.005 |
| W844112 | | 1.4 | 13.7 | 50 | 97.1 | <0.005 |
| W844113 | | 1.5 | 12.7 | 56 | 78.6 | <0.005 |
| W844114 | | 1.3 | 13.2 | 50 | 95.0 | <0.005 |
| W844115 | | 1.4 | 14.7 | 43 | 105.5 | <0.005 |
| W844116 | | 2.0 | 16.9 | 44 | 137.0 | <0.005 |
| W844117 | | 1.5 | 16.5 | 45 | 151.0 | <0.005 |
| W844118 | | 1.9 | 15.7 | 53 | 147.5 | 0.005 |
| W844119 | | 1.7 | 15.3 | 60 | 156.5 | <0.005 |
| W844120 | | 1.6 | 14.7 | 55 | 157.0 | <0.005 |
| W844121 | | 3.4 | 14.4 | 57 | 133.0 | <0.005 |
| W844122 | | 2.3 | 14.2 | 63 | 100.0 | <0.005 |
| W844123 | | 1.7 | 22.7 | 65 | 124.5 | <0.005 |
| W844124 | | 1.6 | 15.3 | 66 | 140.5 | <0.005 |
| W844125 | | 1.7 | 15.6 | 70 | 127.5 | 0.007 |

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

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

Project: Rau


**Finalized Date: 14-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20204440

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 8-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218087

Project: Rau

P.O. No.: R20-B09

This report is for 183 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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Project: Rau


**Finalized Date: 8-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844126 | | 2.64 | 0.12 | 7.55 | 18.9 | 1900 | 2.46 | 0.29 | 1.42 | 0.16 | 104.5 | 18.0 | 76 | 5.45 | 51.1 | 6.17 |
| W844127 | | 2.95 | 0.13 | 6.81 | 16.9 | 1750 | 2.43 | 0.26 | 1.59 | 0.16 | 110.0 | 17.9 | 69 | 5.18 | 47.4 | 5.83 |
| W844128 | | 2.72 | 0.08 | 7.45 | 18.2 | 1930 | 2.28 | 0.22 | 1.40 | 0.12 | 101.0 | 16.5 | 63 | 5.15 | 43.3 | 5.78 |
| W844129 | | 2.98 | 0.09 | 7.65 | 17.7 | 1970 | 2.43 | 0.23 | 1.46 | 0.14 | 109.0 | 15.7 | 62 | 5.30 | 36.1 | 5.87 |
| W844130 | | 3.22 | 0.14 | 7.63 | 21.3 | 2170 | 2.29 | 0.38 | 1.23 | 0.15 | 100.5 | 17.8 | 68 | 5.77 | 45.1 | 6.23 |
| W844131 | | 3.30 | 0.15 | 7.54 | 16.5 | 2050 | 2.26 | 0.37 | 1.41 | 0.16 | 101.0 | 17.1 | 59 | 5.85 | 45.2 | 6.02 |
| W844132 | | 3.17 | 0.12 | 6.42 | 14.9 | 1770 | 1.94 | 0.35 | 2.98 | 0.24 | 82.6 | 14.3 | 64 | 4.68 | 37.6 | 5.23 |
| W844133 | | 3.27 | 0.14 | 6.39 | 14.9 | 1830 | 2.06 | 0.39 | 3.09 | 0.25 | 83.2 | 14.2 | 74 | 4.60 | 40.3 | 5.15 |
| W844134 | | 3.55 | 0.13 | 6.32 | 12.1 | 1800 | 2.04 | 0.36 | 3.36 | 0.28 | 89.6 | 13.0 | 77 | 4.63 | 40.8 | 4.62 |
| W844135 | | 3.71 | 0.14 | 6.32 | 11.1 | 1810 | 1.98 | 0.35 | 2.90 | 0.25 | 84.4 | 13.4 | 70 | 4.90 | 51.7 | 4.95 |
| W844136 | | 3.27 | 0.19 | 6.58 | 12.4 | 1780 | 1.98 | 0.43 | 2.81 | 0.26 | 86.8 | 15.9 | 72 | 5.09 | 57.4 | 5.40 |
| W844137 | | 3.65 | 0.29 | 4.03 | 19.8 | 390 | 1.23 | 0.47 | 3.41 | 0.26 | 51.9 | 14.0 | 59 | 2.89 | 70.5 | 3.86 |
| W844138 | | 3.97 | 0.27 | 3.96 | 19.6 | 680 | 1.26 | 0.44 | 4.14 | 0.25 | 48.9 | 11.4 | 56 | 2.79 | 56.1 | 3.28 |
| W844139 | | 4.30 | 0.29 | 4.01 | 18.4 | 410 | 1.24 | 0.37 | 3.79 | 0.26 | 48.7 | 12.2 | 59 | 2.85 | 58.7 | 3.50 |
| W844140 | | 3.65 | 0.29 | 3.98 | 20.8 | 510 | 1.15 | 0.35 | 3.97 | 0.25 | 50.1 | 12.3 | 55 | 2.81 | 57.9 | 3.30 |
| W844141 | | 3.69 | 0.26 | 4.00 | 16.3 | 580 | 1.17 | 0.36 | 4.01 | 0.26 | 50.5 | 11.9 | 58 | 2.94 | 58.6 | 3.46 |
| W844142 | | 2.90 | 0.17 | 3.04 | 4960 | 810 | 1.08 | 1.65 | 6.64 | 0.39 | 34.4 | 21.5 | 64 | 2.51 | 101.0 | 7.37 |
| W844143 | | 2.60 | 0.14 | 3.41 | 5300 | 940 | 1.15 | 1.81 | 6.43 | 0.33 | 39.0 | 20.1 | 71 | 2.51 | 78.9 | 7.20 |
| W844144 | | 2.47 | 0.14 | 2.83 | 3660 | 830 | 0.99 | 1.65 | 3.57 | 0.22 | 42.8 | 18.2 | 68 | 1.99 | 88.2 | 5.42 |
| W844145 | | 2.24 | 0.11 | 4.06 | 2250 | 1190 | 1.39 | 1.09 | 2.89 | 0.23 | 63.8 | 11.2 | 93 | 2.96 | 61.4 | 4.99 |
| W844146 | | 2.18 | 0.12 | 4.11 | 2220 | 1230 | 1.47 | 1.28 | 2.37 | 0.27 | 59.4 | 11.9 | 99 | 3.04 | 68.6 | 4.27 |
| W844147 | | 2.45 | 0.11 | 4.22 | 4430 | 1240 | 1.52 | 1.54 | 2.52 | 0.22 | 56.2 | 12.8 | 111 | 3.14 | 55.3 | 4.21 |
| W844148 | | 2.33 | 0.13 | 3.46 | 2400 | 1000 | 1.17 | 1.28 | 6.96 | 0.25 | 43.1 | 11.6 | 69 | 2.39 | 76.4 | 6.66 |
| W844149 | | 2.29 | 0.08 | 4.66 | 3470 | 1360 | 1.63 | 1.22 | 6.57 | 0.18 | 71.4 | 10.6 | 88 | 3.29 | 29.0 | 5.34 |
| W844150 | | 1.94 | 0.11 | 6.97 | 3890 | 2060 | 2.48 | 1.49 | 4.65 | 0.13 | 91.2 | 18.1 | 96 | 4.43 | 61.7 | 5.84 |
| W844151 | | 2.04 | 0.14 | 4.44 | 3550 | 1240 | 1.64 | 3.79 | 2.50 | 0.13 | 63.5 | 40.6 | 72 | 2.63 | 50.8 | 6.42 |
| W844152 | | 2.14 | 0.18 | 0.94 | 1560 | 240 | 0.35 | 47.6 | 0.54 | 0.09 | 20.5 | 13.0 | 33 | 0.62 | 22.4 | 4.39 |
| W844153 | | 2.02 | 0.08 | 5.21 | 1275 | 1450 | 2.00 | 32.0 | 0.19 | 0.12 | 85.7 | 35.7 | 74 | 3.39 | 20.2 | 3.67 |
| W844154 | | 2.08 | 0.04 | 7.33 | 516 | 1900 | 2.73 | 3.21 | 0.21 | 0.06 | 98.8 | 12.5 | 68 | 5.13 | 9.7 | 1.93 |
| W844155 | | 2.68 | 0.05 | 1.90 | 322 | 440 | 0.60 | 7.34 | 0.09 | 0.03 | 54.8 | 4.9 | 39 | 1.02 | 8.9 | 2.10 |
| W844156 | | 2.90 | 0.11 | 3.48 | 333 | 900 | 1.14 | 7.44 | 0.05 | 0.02 | 65.5 | 5.8 | 45 | 2.05 | 7.0 | 1.76 |
| W844157 | | 3.28 | 0.16 | 1.37 | 253 | 360 | 0.50 | 20.2 | 0.04 | 0.02 | 49.3 | 6.0 | 38 | 0.85 | 5.3 | 1.97 |
| W844158 | | 3.03 | 0.04 | 2.60 | 211 | 720 | 0.89 | 137.0 | 0.04 | 0.02 | 50.9 | 2.7 | 37 | 1.81 | 5.5 | 1.09 |
| W844159 | | 2.94 | 0.09 | 1.70 | 383 | 450 | 0.56 | 12.65 | 0.04 | 0.04 | 50.9 | 5.2 | 36 | 1.17 | 7.6 | 2.24 |
| W844160 | | 3.06 | 0.15 | 1.53 | 402 | 380 | 0.50 | 24.4 | 0.03 | 0.03 | 40.0 | 3.6 | 31 | 1.08 | 5.4 | 1.62 |
| W844161 | | 3.07 | 0.07 | 1.76 | 230 | 450 | 0.57 | 4.87 | 0.03 | 0.02 | 43.8 | 5.6 | 49 | 1.23 | 22.7 | 1.67 |
| W844162 | | 3.23 | 0.79 | 2.25 | 384 | 580 | 0.76 | 37.6 | 0.04 | 0.02 | 40.7 | 10.6 | 52 | 1.32 | 8.5 | 2.02 |
| W844163 | | 3.16 | 0.39 | 0.64 | 499 | 160 | 0.21 | 11.90 | 0.04 | 0.05 | 29.1 | 7.6 | 41 | 0.48 | 32.3 | 3.48 |
| W844164 | | 2.91 | 0.15 | 0.59 | 1030 | 140 | 0.23 | 6.30 | 0.31 | 0.09 | 26.6 | 8.3 | 35 | 0.37 | 18.4 | 4.70 |
| W844165 | | 2.73 | 0.12 | 0.52 | 1055 | 120 | 0.21 | 7.41 | 0.43 | 0.10 | 27.3 | 8.9 | 39 | 0.31 | 15.7 | 5.22 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844126 | | 20.5 | 0.21 | 2.9 | 0.075 | 2.64 | 55.1 | 29.7 | 1.85 | 486 | 1.86 | 0.61 | 49.8 | 49.5 | 1840 | 5.5 |
| W844127 | | 20.6 | 0.21 | 2.7 | 0.081 | 2.38 | 57.4 | 28.8 | 1.76 | 518 | 1.46 | 0.56 | 54.4 | 48.5 | 1690 | 5.3 |
| W844128 | | 20.3 | 0.17 | 2.3 | 0.078 | 2.52 | 52.3 | 35.4 | 1.74 | 434 | 1.30 | 0.62 | 53.2 | 43.0 | 1810 | 4.1 |
| W844129 | | 20.9 | 0.18 | 2.4 | 0.078 | 2.67 | 57.0 | 34.7 | 1.80 | 464 | 1.38 | 0.62 | 56.4 | 39.4 | 1800 | 4.5 |
| W844130 | | 20.1 | 0.17 | 2.8 | 0.081 | 2.75 | 52.2 | 31.9 | 1.85 | 512 | 2.76 | 0.60 | 45.9 | 44.8 | 1760 | 6.0 |
| W844131 | | 20.2 | 0.17 | 2.6 | 0.076 | 2.78 | 51.1 | 30.3 | 1.92 | 476 | 2.58 | 0.70 | 48.3 | 39.3 | 1850 | 5.5 |
| W844132 | | 17.05 | 0.17 | 2.5 | 0.069 | 2.29 | 44.5 | 25.9 | 2.12 | 695 | 3.56 | 0.69 | 38.2 | 38.2 | 2060 | 4.3 |
| W844133 | | 16.35 | 0.18 | 2.7 | 0.056 | 2.36 | 43.8 | 25.3 | 2.02 | 679 | 4.33 | 0.55 | 35.6 | 39.7 | 2200 | 4.1 |
| W844134 | | 16.60 | 0.18 | 2.9 | 0.057 | 2.44 | 46.2 | 24.7 | 2.02 | 589 | 4.24 | 0.48 | 36.1 | 37.1 | 2230 | 3.5 |
| W844135 | | 16.45 | 0.18 | 2.6 | 0.060 | 2.44 | 44.9 | 27.3 | 2.00 | 506 | 3.43 | 0.43 | 38.4 | 35.1 | 2030 | 3.8 |
| W844136 | | 17.15 | 0.17 | 2.6 | 0.065 | 2.50 | 44.9 | 27.8 | 2.06 | 532 | 3.57 | 0.48 | 38.6 | 41.1 | 2130 | 4.0 |
| W844137 | | 10.65 | 0.12 | 2.4 | 0.155 | 1.74 | 27.6 | 14.6 | 1.69 | 777 | 6.78 | 0.06 | 21.0 | 41.4 | 1450 | 3.7 |
| W844138 | | 10.55 | 0.13 | 2.3 | 0.201 | 1.75 | 25.4 | 14.3 | 1.91 | 971 | 6.11 | 0.06 | 21.5 | 35.1 | 1450 | 3.4 |
| W844139 | | 10.50 | 0.13 | 2.4 | 0.128 | 1.77 | 25.6 | 14.0 | 1.82 | 771 | 6.27 | 0.06 | 21.0 | 38.1 | 1350 | 3.4 |
| W844140 | | 10.20 | 0.11 | 2.2 | 0.107 | 1.75 | 26.2 | 13.4 | 1.87 | 741 | 6.09 | 0.06 | 20.4 | 37.3 | 1390 | 3.3 |
| W844141 | | 10.80 | 0.13 | 2.4 | 0.121 | 1.75 | 26.5 | 13.7 | 1.89 | 780 | 6.41 | 0.06 | 21.9 | 37.3 | 1370 | 3.6 |
| W844142 | | 8.27 | 0.11 | 2.1 | 0.044 | 1.27 | 19.5 | 5.6 | 0.48 | 1680 | 23.6 | 0.04 | 6.7 | 80.0 | 1180 | 11.3 |
| W844143 | | 9.08 | 0.09 | 2.2 | 0.054 | 1.49 | 21.2 | 5.6 | 0.49 | 1810 | 20.8 | 0.04 | 7.3 | 71.6 | 1220 | 9.4 |
| W844144 | | 7.93 | 0.10 | 2.0 | 0.038 | 1.29 | 23.7 | 4.9 | 0.50 | 1460 | 12.55 | 0.03 | 7.4 | 58.0 | 1200 | 7.1 |
| W844145 | | 11.20 | 0.13 | 2.3 | 0.054 | 1.80 | 35.5 | 7.2 | 0.50 | 1300 | 16.25 | 0.04 | 10.1 | 53.6 | 1760 | 6.1 |
| W844146 | | 11.80 | 0.14 | 2.3 | 0.046 | 1.88 | 32.4 | 7.0 | 0.39 | 1140 | 26.6 | 0.04 | 10.2 | 71.9 | 1640 | 6.6 |
| W844147 | | 12.15 | 0.12 | 2.3 | 0.050 | 1.98 | 32.4 | 7.2 | 0.43 | 997 | 20.4 | 0.04 | 10.1 | 66.8 | 2400 | 5.7 |
| W844148 | | 9.41 | 0.11 | 1.6 | 0.060 | 1.60 | 23.3 | 5.7 | 0.97 | 2100 | 12.15 | 0.03 | 7.3 | 52.6 | 1460 | 9.5 |
| W844149 | | 12.15 | 0.12 | 2.6 | 0.066 | 2.18 | 39.1 | 8.2 | 1.12 | 1720 | 6.91 | 0.04 | 16.8 | 43.3 | 2460 | 5.1 |
| W844150 | | 18.75 | 0.14 | 3.3 | 0.093 | 3.28 | 48.7 | 12.4 | 0.90 | 1870 | 4.35 | 0.06 | 24.3 | 66.0 | 970 | 4.1 |
| W844151 | | 13.05 | 0.11 | 2.1 | 0.052 | 2.06 | 34.5 | 7.0 | 0.63 | 1760 | 4.44 | 0.04 | 13.2 | 67.7 | 1020 | 6.8 |
| W844152 | | 2.81 | 0.06 | 0.7 | 0.016 | 0.41 | 10.5 | 1.8 | 0.20 | 768 | 3.25 | 0.01 | 4.0 | 22.5 | 400 | 4.1 |
| W844153 | | 15.75 | 0.12 | 2.3 | 0.058 | 2.42 | 43.5 | 7.7 | 0.27 | 1060 | 2.74 | 0.05 | 24.5 | 56.2 | 690 | 2.2 |
| W844154 | | 20.1 | 0.14 | 2.1 | 0.074 | 3.56 | 49.0 | 9.2 | 0.41 | 336 | 1.46 | 0.06 | 13.4 | 29.5 | 400 | 1.7 |
| W844155 | | 5.09 | 0.10 | 0.4 | 0.026 | 0.76 | 27.7 | 1.8 | 0.17 | 203 | 2.25 | 0.04 | 4.8 | 9.0 | 120 | 1.5 |
| W844156 | | 8.99 | 0.12 | 0.6 | 0.045 | 1.54 | 33.1 | 3.1 | 0.21 | 169 | 1.77 | 0.04 | 6.8 | 12.8 | 130 | 2.1 |
| W844157 | | 3.87 | 0.07 | 0.4 | 0.044 | 0.59 | 24.1 | 1.2 | 0.09 | 270 | 2.30 | 0.02 | 3.4 | 10.0 | 110 | 2.0 |
| W844158 | | 6.84 | 0.09 | 0.9 | 0.046 | 1.20 | 25.4 | 1.9 | 0.15 | 251 | 1.72 | 0.03 | 5.4 | 5.2 | 80 | 2.0 |
| W844159 | | 4.74 | 0.08 | 0.6 | 0.047 | 0.75 | 25.6 | 1.6 | 0.11 | 208 | 2.48 | 0.02 | 3.5 | 8.5 | 120 | 2.3 |
| W844160 | | 4.24 | 0.08 | 0.5 | 0.102 | 0.66 | 19.9 | 1.6 | 0.10 | 134 | 2.29 | 0.02 | 3.2 | 5.7 | 100 | 2.5 |
| W844161 | | 4.75 | 0.07 | 0.6 | 0.030 | 0.80 | 21.3 | 1.9 | 0.11 | 159 | 2.77 | 0.02 | 4.4 | 8.1 | 80 | 1.5 |
| W844162 | | 6.60 | 0.08 | 1.1 | 0.078 | 0.94 | 21.5 | 1.8 | 0.14 | 166 | 4.01 | 0.03 | 10.8 | 6.9 | 110 | 3.7 |
| W844163 | | 2.11 | 0.06 | 0.5 | 0.079 | 0.25 | 14.4 | 1.0 | 0.07 | 382 | 3.71 | 0.02 | 2.8 | 15.4 | 200 | 5.1 |
| W844164 | | 1.80 | 0.07 | 0.5 | 0.136 | 0.23 | 13.4 | 1.0 | 0.16 | 675 | 3.59 | 0.01 | 2.2 | 15.5 | 580 | 3.6 |
| W844165 | | 1.62 | 0.06 | 0.5 | 0.111 | 0.20 | 14.0 | 0.8 | 0.20 | 771 | 3.54 | 0.01 | 2.0 | 17.3 | 610 | 3.1 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844126 | | 108.5 | 0.003 | 0.40 | 1.39 | 15.4 | 1 | 3.0 | 85.8 | 2.69 | 0.06 | 12.20 | 0.838 | 0.55 | 4.0 | 155 |
| W844127 | | 107.0 | 0.004 | 0.36 | 1.19 | 15.1 | 1 | 3.0 | 88.2 | 2.86 | <0.05 | 12.90 | 0.771 | 0.53 | 3.8 | 136 |
| W844128 | | 108.0 | 0.005 | 0.30 | 1.16 | 15.5 | 1 | 3.1 | 78.7 | 2.80 | <0.05 | 11.20 | 0.817 | 0.49 | 3.6 | 145 |
| W844129 | | 111.5 | 0.004 | 0.29 | 1.32 | 16.1 | 1 | 3.2 | 82.2 | 3.02 | <0.05 | 12.25 | 0.842 | 0.58 | 3.6 | 149 |
| W844130 | | 111.0 | 0.004 | 0.47 | 1.69 | 15.7 | 1 | 3.2 | 84.6 | 2.52 | 0.06 | 11.70 | 0.860 | 0.62 | 4.1 | 158 |
| W844131 | | 110.5 | 0.004 | 0.53 | 1.85 | 16.8 | 1 | 3.2 | 89.9 | 2.63 | 0.05 | 10.75 | 0.874 | 0.60 | 3.5 | 161 |
| W844132 | | 93.0 | 0.005 | 0.47 | 1.63 | 13.7 | 1 | 2.7 | 122.0 | 2.10 | <0.05 | 9.66 | 0.711 | 0.52 | 4.5 | 172 |
| W844133 | | 91.6 | 0.008 | 0.55 | 1.66 | 12.8 | 2 | 2.5 | 125.0 | 1.97 | 0.07 | 9.80 | 0.686 | 0.55 | 5.5 | 180 |
| W844134 | | 95.7 | 0.009 | 0.60 | 1.36 | 13.1 | 2 | 2.5 | 128.5 | 2.01 | 0.06 | 9.68 | 0.678 | 0.54 | 5.2 | 177 |
| W844135 | | 96.0 | 0.005 | 0.60 | 1.32 | 13.3 | 2 | 2.6 | 111.0 | 2.01 | 0.05 | 9.71 | 0.694 | 0.58 | 4.5 | 162 |
| W844136 | | 99.2 | 0.006 | 0.76 | 1.59 | 13.6 | 1 | 2.6 | 112.0 | 2.01 | 0.05 | 9.95 | 0.716 | 0.58 | 4.5 | 169 |
| W844137 | | 66.4 | 0.017 | 2.18 | 3.78 | 8.6 | 3 | 2.2 | 110.5 | 1.14 | 0.06 | 6.20 | 0.357 | 0.47 | 4.8 | 143 |
| W844138 | | 66.0 | 0.011 | 1.66 | 3.57 | 8.6 | 2 | 2.3 | 127.0 | 1.18 | 0.09 | 5.61 | 0.355 | 0.46 | 4.5 | 139 |
| W844139 | | 67.1 | 0.012 | 1.72 | 3.29 | 8.4 | 2 | 2.1 | 120.5 | 1.17 | 0.06 | 5.97 | 0.359 | 0.44 | 4.5 | 140 |
| W844140 | | 65.6 | 0.013 | 1.78 | 2.95 | 8.2 | 2 | 2.1 | 123.5 | 1.13 | 0.08 | 5.82 | 0.358 | 0.52 | 4.5 | 138 |
| W844141 | | 67.4 | 0.013 | 1.68 | 3.09 | 8.5 | 2 | 2.1 | 127.0 | 1.18 | 0.11 | 6.35 | 0.363 | 0.51 | 4.8 | 141 |
| W844142 | | 57.6 | <0.002 | 0.11 | 7.79 | 5.8 | 8 | 4.9 | 95.1 | 0.38 | 0.17 | 5.33 | 0.158 | 0.45 | 3.7 | 342 |
| W844143 | | 65.1 | <0.002 | 0.08 | 6.06 | 6.2 | 6 | 5.7 | 95.8 | 0.41 | 0.25 | 5.91 | 0.183 | 0.42 | 3.9 | 392 |
| W844144 | | 54.1 | 0.002 | 0.08 | 3.13 | 5.4 | 5 | 4.6 | 52.4 | 0.42 | 0.24 | 5.56 | 0.176 | 0.37 | 2.9 | 319 |
| W844145 | | 76.8 | 0.002 | 0.09 | 2.06 | 7.4 | 4 | 6.3 | 56.4 | 0.56 | 0.06 | 7.75 | 0.255 | 0.50 | 3.8 | 534 |
| W844146 | | 82.1 | <0.002 | 0.07 | 2.27 | 7.7 | 4 | 6.9 | 52.8 | 0.54 | 0.09 | 7.65 | 0.249 | 0.58 | 4.0 | 619 |
| W844147 | | 88.0 | 0.002 | 0.04 | 3.01 | 8.1 | 4 | 7.0 | 61.4 | 0.53 | 0.15 | 7.68 | 0.244 | 0.53 | 4.0 | 620 |
| W844148 | | 67.9 | <0.002 | 0.04 | 2.66 | 6.3 | 4 | 6.0 | 109.5 | 0.38 | 0.12 | 5.81 | 0.164 | 0.45 | 3.1 | 376 |
| W844149 | | 90.3 | <0.002 | 0.04 | 2.70 | 7.7 | 4 | 9.0 | 124.5 | 0.89 | 0.17 | 9.18 | 0.317 | 0.57 | 3.0 | 208 |
| W844150 | | 132.0 | <0.002 | 0.09 | 2.82 | 11.4 | 8 | 14.3 | 85.3 | 1.21 | 0.20 | 11.90 | 0.438 | 0.81 | 3.6 | 164 |
| W844151 | | 88.2 | <0.002 | 0.06 | 2.64 | 7.6 | 2 | 11.6 | 38.3 | 0.67 | 0.30 | 7.81 | 0.225 | 0.51 | 2.6 | 106 |
| W844152 | | 17.4 | <0.002 | 0.05 | 1.68 | 1.7 | 1 | 2.9 | 9.5 | 0.18 | 0.17 | 2.69 | 0.066 | 0.16 | 1.5 | 33 |
| W844153 | | 101.0 | 0.002 | 0.04 | 1.98 | 8.7 | 1 | 17.3 | 32.3 | 1.23 | 0.14 | 10.45 | 0.381 | 0.57 | 2.8 | 123 |
| W844154 | | 154.0 | 0.002 | 0.03 | 1.21 | 11.7 | 1 | 17.3 | 21.2 | 0.80 | 0.07 | 13.00 | 0.329 | 0.77 | 1.9 | 88 |
| W844155 | | 29.5 | <0.002 | 0.02 | 0.70 | 2.9 | 1 | 4.7 | 8.1 | 0.30 | 0.10 | 5.67 | 0.136 | 0.20 | 0.6 | 37 |
| W844156 | | 61.6 | <0.002 | 0.02 | 0.95 | 5.1 | 1 | 9.7 | 10.3 | 0.43 | 0.09 | 7.35 | 0.187 | 0.35 | 0.7 | 47 |
| W844157 | | 23.8 | <0.002 | 0.02 | 0.85 | 2.1 | <1 | 4.1 | 4.9 | 0.22 | 0.14 | 4.47 | 0.099 | 0.14 | 0.4 | 22 |
| W844158 | | 48.3 | <0.002 | 0.01 | 1.49 | 3.6 | 1 | 6.2 | 7.8 | 0.38 | 0.28 | 5.27 | 0.159 | 0.25 | 0.8 | 34 |
| W844159 | | 31.3 | <0.002 | 0.01 | 0.81 | 2.5 | 1 | 4.5 | 5.5 | 0.23 | 0.14 | 5.57 | 0.099 | 0.17 | 0.9 | 24 |
| W844160 | | 27.4 | <0.002 | 0.01 | 0.92 | 2.2 | 1 | 4.2 | 5.9 | 0.20 | 0.14 | 4.12 | 0.090 | 0.15 | 0.5 | 21 |
| W844161 | | 33.8 | <0.002 | 0.01 | 0.60 | 2.5 | <1 | 4.3 | 5.5 | 0.31 | 0.05 | 4.82 | 0.122 | 0.18 | 0.6 | 22 |
| W844162 | | 39.1 | <0.002 | 0.01 | 1.35 | 3.5 | 1 | 7.8 | 7.8 | 0.58 | 0.27 | 3.68 | 0.186 | 0.21 | 1.0 | 54 |
| W844163 | | 10.5 | <0.002 | 0.03 | 0.73 | 1.1 | 1 | 2.2 | 4.6 | 0.15 | 0.11 | 2.08 | 0.055 | 0.09 | 0.7 | 17 |
| W844164 | | 10.0 | 0.002 | 0.12 | 0.67 | 1.1 | 2 | 2.0 | 5.9 | 0.10 | 0.09 | 4.09 | 0.038 | 0.08 | 1.1 | 21 |
| W844165 | | 8.2 | 0.003 | 0.16 | 0.66 | 1.0 | 1 | 1.6 | 5.1 | 0.10 | 0.10 | 3.70 | 0.036 | 0.06 | 1.4 | 17 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844126 | | 1.6 | 13.3 | 67 | 116.0 | <0.005 |
| W844127 | | 3.3 | 13.7 | 63 | 111.0 | <0.005 |
| W844128 | | 1.6 | 13.8 | 57 | 99.2 | <0.005 |
| W844129 | | 1.7 | 14.4 | 59 | 98.5 | <0.005 |
| W844130 | | 1.6 | 12.8 | 71 | 111.5 | <0.005 |
| W844131 | | 1.8 | 13.1 | 67 | 106.0 | <0.005 |
| W844132 | | 1.6 | 14.3 | 64 | 120.5 | <0.005 |
| W844133 | | 6.1 | 14.6 | 56 | 105.5 | <0.005 |
| W844134 | | 1.6 | 16.0 | 53 | 110.5 | <0.005 |
| W844135 | | 1.4 | 14.6 | 55 | 108.5 | <0.005 |
| W844136 | | 2.0 | 14.8 | 56 | 108.5 | <0.005 |
| W844137 | | 1.4 | 11.4 | 42 | 97.2 | 0.026 |
| W844138 | | 1.5 | 11.3 | 41 | 95.1 | 0.018 |
| W844139 | | 1.6 | 10.9 | 44 | 95.0 | 0.020 |
| W844140 | | 1.6 | 10.8 | 45 | 94.2 | 0.031 |
| W844141 | | 1.4 | 11.5 | 46 | 98.6 | 0.015 |
| W844142 | | 4.3 | 7.7 | 64 | 79.3 | 0.039 |
| W844143 | | 4.3 | 7.8 | 55 | 76.5 | 0.055 |
| W844144 | | 6.5 | 7.5 | 40 | 74.1 | 0.061 |
| W844145 | | 4.3 | 10.4 | 42 | 94.0 | 0.016 |
| W844146 | | 4.8 | 9.7 | 34 | 93.1 | 0.014 |
| W844147 | | 4.5 | 11.3 | 28 | 83.4 | 0.020 |
| W844148 | | 3.5 | 9.3 | 46 | 61.3 | 0.017 |
| W844149 | | 3.9 | 10.4 | 36 | 99.3 | 0.042 |
| W844150 | | 5.5 | 9.8 | 36 | 139.0 | 0.041 |
| W844151 | | 8.6 | 8.7 | 35 | 86.9 | 0.105 |
| W844152 | | 15.4 | 3.3 | 21 | 29.9 | 0.329 |
| W844153 | | 6.9 | 10.2 | 24 | 105.0 | 0.161 |
| W844154 | | 5.2 | 10.0 | 16 | 77.3 | 0.031 |
| W844155 | | 15.3 | 3.7 | 17 | 17.0 | 0.074 |
| W844156 | | 6.4 | 4.4 | 15 | 22.0 | 0.975 |
| W844157 | | 26.5 | 3.5 | 13 | 13.6 | 0.532 |
| W844158 | | 13.1 | 4.0 | 11 | 31.3 | 0.204 |
| W844159 | | 9.5 | 3.3 | 12 | 21.1 | 0.343 |
| W844160 | | 7.2 | 2.8 | 12 | 20.6 | 0.095 |
| W844161 | | 30.7 | 3.8 | 23 | 21.4 | 0.063 |
| W844162 | | 67.6 | 3.2 | 15 | 44.8 | 0.572 |
| W844163 | | 13.9 | 3.0 | 37 | 17.3 | 0.387 |
| W844164 | | 5.9 | 3.9 | 27 | 18.9 | 0.096 |
| W844165 | | 2.9 | 4.1 | 24 | 19.0 | 0.144 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844166 | | 2.92 | 0.10 | 0.72 | 1240 | 180 | 0.33 | 8.02 | 0.42 | 0.13 | 31.0 | 8.6 | 40 | 0.39 | 22.6 | 4.16 |
| W844167 | | 2.61 | 0.10 | 0.57 | 1330 | 140 | 0.29 | 7.89 | 0.24 | 0.19 | 27.5 | 28.9 | 35 | 0.34 | 35.5 | 6.89 |
| W844168 | | 2.73 | 0.04 | 1.32 | 1025 | 360 | 0.56 | 1.57 | 0.28 | 0.18 | 38.3 | 22.1 | 42 | 0.93 | 38.3 | 6.77 |
| W844169 | | 2.64 | 0.06 | 1.53 | 1045 | 400 | 0.62 | 1.78 | 0.18 | 0.18 | 34.9 | 16.9 | 41 | 1.10 | 37.9 | 6.71 |
| W844170 | | 2.71 | 0.15 | 6.64 | 1305 | 1800 | 2.55 | 2.92 | 0.19 | 0.20 | 76.6 | 39.1 | 103 | 5.48 | 95.4 | 10.30 |
| W844171 | | 2.74 | 0.20 | 6.85 | 1260 | 1840 | 2.59 | 7.03 | 0.31 | 0.20 | 107.0 | 46.6 | 99 | 5.24 | 78.6 | 9.44 |
| W844172 | | 2.55 | 0.17 | 6.28 | 1050 | 1710 | 2.38 | 5.77 | 0.50 | 0.19 | 92.4 | 41.5 | 93 | 4.83 | 74.8 | 7.78 |
| W844173 | | 2.78 | 0.16 | 6.66 | 1225 | 1830 | 2.42 | 4.25 | 0.49 | 0.20 | 75.0 | 37.5 | 103 | 5.11 | 79.7 | 9.29 |
| W844174 | | 2.91 | 0.26 | 4.62 | 1050 | 1290 | 1.67 | 15.65 | 0.75 | 0.18 | 68.3 | 27.7 | 89 | 3.08 | 69.5 | 5.72 |
| W844175 | | 2.95 | 0.46 | 4.80 | 1125 | 1340 | 1.75 | 15.30 | 0.80 | 0.17 | 77.0 | 35.1 | 98 | 3.42 | 74.7 | 6.32 |
| W844176 | | 3.01 | 0.21 | 4.75 | 1005 | 1330 | 1.78 | 12.25 | 0.82 | 0.16 | 69.0 | 26.6 | 91 | 3.15 | 69.4 | 5.61 |
| W844177 | | 2.81 | 0.11 | 4.66 | 179.0 | 1290 | 1.55 | 1.20 | 1.72 | 0.19 | 63.1 | 10.8 | 86 | 3.67 | 67.6 | 3.72 |
| W844178 | | 3.25 | 0.11 | 4.83 | 176.5 | 1320 | 1.72 | 1.24 | 1.52 | 0.24 | 72.8 | 13.8 | 78 | 3.78 | 92.7 | 4.03 |
| W844179 | | 2.80 | 0.08 | 6.01 | 122.0 | 1650 | 1.99 | 0.97 | 2.00 | 0.18 | 83.9 | 10.5 | 101 | 4.68 | 59.8 | 3.80 |
| W844180 | | 2.68 | 0.09 | 6.55 | 126.0 | 1830 | 2.14 | 0.85 | 1.82 | 0.21 | 86.2 | 13.1 | 86 | 5.02 | 67.0 | 4.47 |
| W844181 | | 2.32 | 0.16 | 6.37 | 301 | 1910 | 2.26 | 1.24 | 1.03 | 0.28 | 78.6 | 29.0 | 94 | 4.66 | 95.1 | 4.79 |
| W844182 | | 2.51 | 0.11 | 6.70 | 260 | 2080 | 2.19 | 0.96 | 0.95 | 0.23 | 76.0 | 19.0 | 97 | 4.76 | 72.2 | 4.32 |
| W844183 | | 2.60 | 0.08 | 8.06 | 121.5 | 2730 | 2.45 | 0.48 | 1.21 | 0.13 | 111.0 | 14.6 | 117 | 5.12 | 75.1 | 5.29 |
| W844184 | | 2.72 | 0.16 | 8.03 | 303 | 2710 | 2.43 | 0.78 | 0.90 | 0.13 | 97.8 | 21.7 | 127 | 3.91 | 197.0 | 6.87 |
| W844185 | | 2.75 | 0.10 | 7.27 | 235 | 2420 | 2.17 | 0.41 | 3.29 | 0.24 | 105.0 | 37.1 | 113 | 3.88 | 115.0 | 6.33 |
| W844186 | | 3.04 | 0.09 | 7.59 | 151.0 | 2420 | 2.09 | 0.19 | 1.60 | 0.18 | 94.5 | 26.8 | 112 | 3.30 | 66.4 | 7.40 |
| W844187 | | 2.84 | 0.10 | 7.22 | 297 | 2430 | 2.24 | 0.44 | 1.39 | 0.13 | 97.8 | 28.3 | 109 | 4.72 | 103.0 | 7.46 |
| W844188 | | 2.53 | 0.10 | 7.84 | 218 | 2550 | 2.50 | 0.59 | 0.69 | 0.24 | 109.5 | 52.4 | 116 | 5.73 | 136.0 | 8.03 |
| W844189 | | 2.78 | 0.12 | 7.61 | 160.5 | 2500 | 2.38 | 0.53 | 1.86 | 0.27 | 102.5 | 45.1 | 135 | 4.23 | 182.5 | 7.07 |
| W844190 | | 2.97 | 0.06 | 7.50 | 208 | 2360 | 2.08 | 0.73 | 1.43 | 0.20 | 99.1 | 28.3 | 114 | 4.87 | 97.8 | 7.40 |
| W844191 | | 2.51 | 0.12 | 7.23 | 208 | 2470 | 2.49 | 0.84 | 0.50 | 0.14 | 97.8 | 20.0 | 93 | 6.05 | 117.0 | 5.96 |
| W844192 | | 2.74 | 0.07 | 7.80 | 189.0 | 2460 | 2.41 | 0.64 | 0.65 | 0.09 | 107.0 | 19.8 | 85 | 6.50 | 87.8 | 7.06 |
| W844193 | | 3.00 | 0.07 | 8.20 | 207 | 2690 | 2.34 | 0.61 | 0.46 | 0.04 | 102.0 | 6.8 | 95 | 6.87 | 52.4 | 5.71 |
| W844194 | | 2.52 | 0.12 | 7.94 | 217 | 2500 | 2.27 | 0.70 | 0.48 | 0.07 | 104.0 | 9.6 | 102 | 7.06 | 57.7 | 5.51 |
| W844195 | | 2.26 | 0.10 | 7.88 | 144.0 | 2480 | 2.28 | 1.06 | 0.37 | 0.03 | 96.4 | 8.2 | 95 | 8.09 | 57.1 | 5.17 |
| W844196 | | 2.46 | 0.11 | 7.77 | 127.0 | 2450 | 2.33 | 1.33 | 0.40 | 0.04 | 97.6 | 5.8 | 98 | 8.52 | 55.9 | 5.19 |
| W844197 | | 2.65 | 0.08 | 8.03 | 179.0 | 2590 | 2.23 | 1.51 | 0.34 | 0.03 | 101.0 | 5.9 | 102 | 11.60 | 67.1 | 5.54 |
| W844198 | | 2.32 | 0.06 | 8.51 | 117.5 | 2730 | 2.32 | 1.33 | 0.42 | 0.02 | 98.6 | 8.1 | 105 | 10.70 | 66.5 | 5.70 |
| W844199 | | 2.51 | 0.10 | 7.60 | 211 | 2300 | 2.34 | 1.43 | 0.31 | 0.03 | 95.4 | 11.0 | 95 | 12.15 | 79.4 | 5.58 |
| W844200 | | 2.44 | 0.07 | 8.17 | 145.0 | 2370 | 2.46 | 1.15 | 0.51 | 0.04 | 104.5 | 7.8 | 88 | 12.75 | 71.2 | 4.88 |
| W844201 | | 2.35 | 0.11 | 7.50 | 161.5 | 2130 | 2.29 | 1.49 | 0.23 | 0.04 | 89.9 | 11.8 | 84 | 12.00 | 75.9 | 5.84 |
| W844202 | | 2.42 | 0.10 | 7.19 | 137.0 | 1970 | 2.12 | 2.18 | 0.38 | 0.04 | 89.0 | 19.5 | 78 | 8.76 | 115.5 | 4.78 |
| W844203 | | 2.34 | 0.10 | 7.46 | 145.5 | 2080 | 2.25 | 2.94 | 0.25 | 0.04 | 87.8 | 18.4 | 80 | 8.46 | 110.0 | 5.11 |
| W844204 | | 2.77 | 0.04 | 7.46 | 158.0 | 2020 | 2.14 | 0.92 | 0.33 | 0.05 | 86.8 | 15.6 | 75 | 9.11 | 71.5 | 5.00 |
| W844205 | | 2.94 | 0.03 | 7.52 | 68.3 | 2120 | 2.13 | 0.26 | 0.30 | 0.06 | 92.3 | 9.9 | 76 | 9.03 | 51.6 | 5.29 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 8-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844166 | | 2.28 | 0.05 | 0.7 | 0.101 | 0.30 | 15.4 | 1.0 | 0.14 | 704 | 3.48 | 0.01 | 3.6 | 16.3 | 790 | 2.1 |
| W844167 | | 1.73 | 0.06 | 0.6 | 0.113 | 0.22 | 13.8 | 0.9 | 0.09 | 1460 | 4.17 | 0.01 | 2.3 | 61.6 | 750 | 2.0 |
| W844168 | | 3.52 | 0.06 | 1.0 | 0.110 | 0.56 | 18.7 | 2.9 | 0.14 | 1320 | 3.40 | 0.01 | 4.4 | 38.4 | 980 | 1.6 |
| W844169 | | 4.37 | 0.06 | 1.1 | 0.126 | 0.66 | 17.6 | 3.1 | 0.13 | 967 | 4.30 | 0.01 | 5.7 | 33.6 | 810 | 1.6 |
| W844170 | | 17.75 | 0.12 | 3.2 | 0.191 | 3.05 | 38.8 | 14.3 | 0.94 | 1240 | 8.64 | 0.05 | 21.7 | 93.7 | 1150 | 2.2 |
| W844171 | | 18.65 | 0.15 | 3.0 | 0.220 | 3.10 | 56.1 | 13.5 | 0.80 | 1260 | 9.39 | 0.05 | 19.1 | 103.5 | 1490 | 3.1 |
| W844172 | | 17.10 | 0.15 | 2.8 | 0.164 | 2.89 | 48.2 | 12.6 | 0.67 | 1080 | 9.04 | 0.05 | 16.7 | 92.0 | 2240 | 3.3 |
| W844173 | | 17.45 | 0.11 | 2.9 | 0.182 | 3.08 | 40.1 | 13.0 | 0.79 | 1140 | 9.88 | 0.05 | 17.2 | 91.2 | 2080 | 3.0 |
| W844174 | | 12.50 | 0.11 | 2.3 | 0.122 | 2.11 | 36.5 | 7.9 | 0.38 | 929 | 10.10 | 0.05 | 11.2 | 61.3 | 1730 | 4.5 |
| W844175 | | 13.15 | 0.14 | 2.4 | 0.145 | 2.19 | 40.8 | 8.2 | 0.40 | 1030 | 12.00 | 0.05 | 12.9 | 67.3 | 1660 | 4.7 |
| W844176 | | 12.75 | 0.11 | 2.3 | 0.119 | 2.18 | 36.7 | 8.3 | 0.39 | 923 | 10.55 | 0.05 | 12.2 | 63.2 | 1870 | 4.3 |
| W844177 | | 12.75 | 0.11 | 2.6 | 0.057 | 2.12 | 34.3 | 8.3 | 0.59 | 806 | 9.91 | 0.07 | 11.2 | 40.7 | 1930 | 6.0 |
| W844178 | | 12.85 | 0.13 | 2.5 | 0.064 | 2.19 | 38.7 | 8.4 | 0.64 | 951 | 7.15 | 0.06 | 9.4 | 47.1 | 1630 | 6.1 |
| W844179 | | 15.95 | 0.14 | 2.9 | 0.075 | 2.73 | 45.2 | 10.5 | 0.87 | 719 | 7.62 | 0.08 | 12.3 | 48.0 | 3380 | 5.5 |
| W844180 | | 16.95 | 0.13 | 3.0 | 0.077 | 2.85 | 43.1 | 10.3 | 1.00 | 1020 | 5.78 | 0.09 | 11.6 | 46.2 | 1870 | 6.4 |
| W844181 | | 20.0 | 0.15 | 3.8 | 0.083 | 2.80 | 42.8 | 10.4 | 0.69 | 888 | 21.8 | 0.09 | 18.6 | 83.6 | 1620 | 10.9 |
| W844182 | | 19.25 | 0.12 | 3.8 | 0.077 | 2.97 | 40.3 | 9.8 | 0.76 | 748 | 12.80 | 0.10 | 21.1 | 65.3 | 1780 | 6.7 |
| W844183 | | 25.0 | 0.19 | 3.2 | 0.098 | 3.53 | 54.2 | 10.1 | 0.93 | 637 | 2.42 | 0.15 | 45.6 | 57.2 | 2440 | 4.2 |
| W844184 | | 24.0 | 0.15 | 3.8 | 0.101 | 3.44 | 48.3 | 7.6 | 0.47 | 919 | 12.00 | 0.16 | 31.6 | 94.1 | 2150 | 6.8 |
| W844185 | | 22.8 | 0.14 | 1.6 | 0.088 | 3.13 | 52.6 | 7.5 | 1.12 | 1570 | 3.73 | 0.16 | 39.1 | 109.5 | 2110 | 6.4 |
| W844186 | | 22.6 | 0.16 | 1.0 | 0.102 | 3.10 | 47.1 | 10.0 | 1.24 | 933 | 1.99 | 0.16 | 44.1 | 96.4 | 1990 | 3.7 |
| W844187 | | 22.8 | 0.15 | 2.2 | 0.090 | 3.12 | 48.8 | 10.3 | 1.02 | 960 | 2.41 | 0.15 | 42.1 | 104.0 | 2010 | 5.1 |
| W844188 | | 24.3 | 0.14 | 3.1 | 0.127 | 3.28 | 54.3 | 14.6 | 1.33 | 1070 | 7.26 | 0.14 | 47.7 | 136.5 | 2040 | 8.5 |
| W844189 | | 23.6 | 0.16 | 2.2 | 0.093 | 3.23 | 50.7 | 7.5 | 0.54 | 1440 | 5.45 | 0.17 | 35.2 | 137.5 | 1970 | 7.1 |
| W844190 | | 22.9 | 0.16 | 1.6 | 0.139 | 3.05 | 49.1 | 15.6 | 1.82 | 842 | 2.01 | 0.12 | 46.5 | 94.4 | 2000 | 8.7 |
| W844191 | | 21.1 | 0.12 | 4.0 | 0.094 | 3.14 | 49.8 | 15.3 | 1.19 | 514 | 5.99 | 0.12 | 39.6 | 68.0 | 1980 | 7.9 |
| W844192 | | 22.3 | 0.17 | 3.1 | 0.107 | 3.36 | 54.3 | 15.1 | 1.43 | 514 | 4.07 | 0.14 | 45.0 | 53.1 | 2360 | 6.1 |
| W844193 | | 22.7 | 0.15 | 3.8 | 0.098 | 3.70 | 51.7 | 12.9 | 1.31 | 411 | 2.64 | 0.16 | 38.2 | 18.9 | 2310 | 5.3 |
| W844194 | | 22.1 | 0.15 | 4.0 | 0.097 | 3.54 | 53.8 | 13.5 | 1.11 | 423 | 4.14 | 0.15 | 32.1 | 28.2 | 2350 | 6.8 |
| W844195 | | 22.7 | 0.13 | 3.9 | 0.093 | 3.57 | 49.7 | 15.4 | 1.27 | 343 | 2.85 | 0.13 | 32.0 | 21.2 | 1740 | 6.0 |
| W844196 | | 22.6 | 0.15 | 3.7 | 0.067 | 3.54 | 49.3 | 17.9 | 1.19 | 271 | 4.21 | 0.12 | 28.5 | 20.6 | 2040 | 4.1 |
| W844197 | | 23.0 | 0.13 | 3.5 | 0.065 | 3.82 | 51.9 | 21.0 | 1.23 | 351 | 2.84 | 0.11 | 31.1 | 21.1 | 1960 | 3.5 |
| W844198 | | 23.5 | 0.14 | 3.9 | 0.078 | 4.03 | 51.0 | 19.2 | 1.37 | 523 | 2.62 | 0.11 | 37.2 | 28.2 | 2320 | 3.1 |
| W844199 | | 22.3 | 0.14 | 3.9 | 0.073 | 3.70 | 49.7 | 22.0 | 1.30 | 422 | 3.71 | 0.10 | 24.6 | 37.2 | 1630 | 3.2 |
| W844200 | | 22.0 | 0.15 | 3.2 | 0.068 | 3.97 | 53.9 | 21.5 | 1.31 | 401 | 2.93 | 0.11 | 23.4 | 23.3 | 1510 | 2.6 |
| W844201 | | 20.1 | 0.12 | 3.1 | 0.062 | 3.72 | 47.4 | 21.2 | 1.23 | 549 | 3.22 | 0.09 | 18.5 | 34.7 | 990 | 2.5 |
| W844202 | | 18.75 | 0.13 | 2.9 | 0.055 | 3.40 | 47.0 | 15.7 | 1.05 | 332 | 3.93 | 0.10 | 14.8 | 61.8 | 1850 | 2.4 |
| W844203 | | 19.70 | 0.14 | 2.7 | 0.061 | 3.57 | 47.3 | 16.2 | 1.14 | 451 | 2.59 | 0.10 | 15.6 | 55.1 | 1270 | 2.7 |
| W844204 | | 19.25 | 0.14 | 2.8 | 0.061 | 3.43 | 46.8 | 24.7 | 1.56 | 556 | 2.11 | 0.09 | 24.1 | 44.8 | 1510 | 2.2 |
| W844205 | | 20.2 | 0.14 | 2.5 | 0.067 | 3.43 | 49.3 | 30.2 | 1.79 | 695 | 1.36 | 0.08 | 31.2 | 28.6 | 1320 | 2.4 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844166 | | 12.5 | 0.002 | 0.10 | 0.63 | 1.4 | 1 | 2.4 | 6.3 | 0.14 | 0.07 | 4.34 | 0.056 | 0.09 | 1.6 | 29 |
| W844167 | | 9.3 | 0.003 | 0.07 | 0.68 | 1.2 | 2 | 1.9 | 5.6 | 0.11 | 0.07 | 4.28 | 0.037 | 0.07 | 2.2 | 18 |
| W844168 | | 24.1 | <0.002 | 0.03 | 0.55 | 2.2 | 1 | 4.2 | 8.4 | 0.25 | <0.05 | 5.53 | 0.071 | 0.19 | 1.9 | 41 |
| W844169 | | 29.6 | 0.002 | 0.04 | 0.48 | 2.5 | 1 | 4.4 | 8.0 | 0.30 | 0.05 | 5.71 | 0.087 | 0.20 | 2.0 | 38 |
| W844170 | | 128.5 | 0.002 | 0.08 | 1.27 | 12.0 | 3 | 12.9 | 28.8 | 1.09 | 0.07 | 13.10 | 0.365 | 0.90 | 4.5 | 128 |
| W844171 | | 132.0 | <0.002 | 0.05 | 1.57 | 12.5 | 3 | 10.6 | 31.8 | 0.90 | 0.09 | 14.20 | 0.337 | 0.93 | 4.2 | 144 |
| W844172 | | 121.5 | <0.002 | 0.05 | 1.63 | 11.5 | 2 | 10.0 | 32.2 | 0.81 | 0.07 | 12.70 | 0.305 | 0.88 | 4.0 | 155 |
| W844173 | | 126.5 | <0.002 | 0.06 | 1.48 | 11.8 | 3 | 10.2 | 31.7 | 0.83 | 0.07 | 12.80 | 0.323 | 0.90 | 4.4 | 163 |
| W844174 | | 88.0 | 0.004 | 0.04 | 1.59 | 8.1 | 3 | 7.9 | 27.6 | 0.58 | 0.15 | 10.10 | 0.229 | 0.58 | 3.5 | 164 |
| W844175 | | 94.1 | 0.003 | 0.04 | 1.80 | 8.5 | 3 | 8.6 | 29.4 | 0.64 | 0.16 | 10.55 | 0.249 | 0.56 | 3.7 | 177 |
| W844176 | | 91.5 | 0.002 | 0.04 | 1.59 | 8.4 | 3 | 8.1 | 28.6 | 0.62 | 0.10 | 10.25 | 0.246 | 0.59 | 3.5 | 174 |
| W844177 | | 98.7 | 0.002 | 0.04 | 1.28 | 8.4 | 2 | 3.6 | 42.1 | 0.62 | 0.08 | 9.11 | 0.263 | 0.62 | 3.7 | 234 |
| W844178 | | 101.5 | <0.002 | 0.04 | 1.18 | 8.3 | 3 | 3.3 | 37.5 | 0.53 | 0.09 | 10.50 | 0.224 | 0.70 | 4.2 | 149 |
| W844179 | | 119.0 | <0.002 | 0.04 | 1.56 | 10.0 | 2 | 3.8 | 46.5 | 0.74 | 0.10 | 11.80 | 0.314 | 0.71 | 4.0 | 226 |
| W844180 | | 128.5 | <0.002 | 0.05 | 1.59 | 11.4 | 2 | 3.5 | 44.3 | 0.73 | 0.12 | 12.15 | 0.339 | 0.85 | 4.0 | 177 |
| W844181 | | 125.5 | <0.002 | 0.06 | 2.42 | 13.5 | 2 | 3.8 | 54.6 | 1.15 | 0.11 | 11.00 | 0.485 | 0.87 | 7.2 | 219 |
| W844182 | | 131.5 | <0.002 | 0.04 | 1.79 | 13.3 | 2 | 3.6 | 47.3 | 1.29 | 0.10 | 10.60 | 0.558 | 0.81 | 6.4 | 224 |
| W844183 | | 154.5 | <0.002 | 0.07 | 1.53 | 17.8 | 2 | 4.8 | 59.7 | 2.90 | <0.05 | 10.50 | 1.295 | 0.96 | 3.7 | 228 |
| W844184 | | 142.5 | <0.002 | 0.11 | 1.79 | 18.3 | 2 | 3.6 | 62.4 | 1.94 | 0.07 | 9.81 | 0.933 | 0.93 | 6.3 | 234 |
| W844185 | | 138.0 | <0.002 | 0.03 | 1.54 | 16.5 | 1 | 3.7 | 83.6 | 2.40 | 0.06 | 8.80 | 1.105 | 0.86 | 2.4 | 198 |
| W844186 | | 129.0 | <0.002 | 0.02 | 1.48 | 15.9 | 2 | 3.5 | 62.0 | 2.72 | <0.05 | 8.74 | 1.255 | 0.78 | 1.6 | 199 |
| W844187 | | 141.0 | <0.002 | 0.13 | 1.77 | 16.5 | 2 | 3.5 | 58.6 | 2.70 | 0.07 | 9.63 | 1.200 | 0.97 | 3.4 | 215 |
| W844188 | | 158.0 | <0.002 | 0.14 | 2.22 | 18.2 | 2 | 4.0 | 92.9 | 2.99 | 0.06 | 10.15 | 1.295 | 1.05 | 5.2 | 220 |
| W844189 | | 141.5 | 0.002 | 0.07 | 1.84 | 17.8 | 2 | 3.5 | 85.3 | 2.22 | 0.07 | 9.28 | 1.040 | 0.92 | 3.4 | 219 |
| W844190 | | 139.0 | 0.002 | 0.11 | 2.32 | 16.3 | 1 | 4.8 | 65.0 | 2.97 | <0.05 | 9.49 | 1.300 | 0.87 | 2.0 | 207 |
| W844191 | | 143.0 | 0.002 | 0.28 | 2.26 | 13.9 | 2 | 3.5 | 76.0 | 2.34 | 0.07 | 10.95 | 0.915 | 0.88 | 5.1 | 203 |
| W844192 | | 164.0 | 0.002 | 0.21 | 2.30 | 15.7 | 3 | 3.6 | 64.8 | 2.65 | 0.06 | 10.85 | 1.055 | 1.02 | 3.8 | 182 |
| W844193 | | 165.5 | 0.002 | 0.30 | 1.98 | 15.8 | 2 | 3.4 | 70.7 | 2.37 | 0.06 | 12.20 | 0.955 | 1.03 | 4.6 | 173 |
| W844194 | | 164.5 | <0.002 | 0.34 | 2.38 | 15.5 | 1 | 3.2 | 83.9 | 1.91 | 0.06 | 12.70 | 0.779 | 1.01 | 4.7 | 181 |
| W844195 | | 168.0 | <0.002 | 0.43 | 1.88 | 16.1 | 1 | 3.4 | 73.8 | 1.90 | 0.06 | 12.75 | 0.729 | 1.03 | 4.4 | 164 |
| W844196 | | 163.5 | <0.002 | 0.56 | 1.63 | 15.8 | 2 | 4.0 | 66.8 | 1.72 | 0.07 | 12.10 | 0.716 | 1.05 | 4.2 | 205 |
| W844197 | | 182.5 | <0.002 | 0.48 | 1.55 | 16.0 | 2 | 4.1 | 60.7 | 1.79 | 0.07 | 12.65 | 0.800 | 1.20 | 4.5 | 186 |
| W844198 | | 177.0 | <0.002 | 0.31 | 1.50 | 16.9 | 2 | 4.3 | 61.7 | 2.22 | 0.05 | 12.30 | 0.999 | 1.17 | 4.5 | 197 |
| W844199 | | 185.0 | <0.002 | 0.32 | 1.90 | 15.5 | 1 | 4.3 | 76.4 | 1.54 | 0.08 | 13.20 | 0.665 | 1.29 | 4.7 | 177 |
| W844200 | | 201 | <0.002 | 0.21 | 1.52 | 14.8 | 1 | 4.4 | 69.0 | 1.46 | 0.08 | 15.10 | 0.585 | 1.29 | 4.1 | 165 |
| W844201 | | 184.5 | 0.002 | 0.28 | 1.68 | 13.5 | 1 | 4.0 | 50.0 | 1.20 | 0.07 | 13.55 | 0.490 | 1.31 | 4.1 | 162 |
| W844202 | | 163.0 | 0.002 | 0.10 | 1.46 | 12.6 | 1 | 4.0 | 54.3 | 0.92 | 0.09 | 13.05 | 0.378 | 1.01 | 4.4 | 180 |
| W844203 | | 164.0 | <0.002 | 0.15 | 1.73 | 13.3 | 1 | 4.2 | 52.8 | 0.95 | 0.10 | 13.10 | 0.401 | 1.11 | 3.8 | 147 |
| W844204 | | 162.0 | 0.002 | 0.15 | 1.31 | 13.3 | 1 | 3.8 | 51.4 | 1.49 | 0.08 | 12.25 | 0.635 | 1.16 | 3.5 | 150 |
| W844205 | | 162.5 | <0.002 | 0.12 | 0.79 | 13.6 | 1 | 3.7 | 46.2 | 1.85 | <0.05 | 12.10 | 0.734 | 1.10 | 2.7 | 137 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844166 | | 5.5 | 5.1 | 30 | 29.1 | 0.249 |
| W844167 | | 3.9 | 6.1 | 32 | 23.4 | 0.257 |
| W844168 | | 8.6 | 7.7 | 37 | 43.1 | 0.036 |
| W844169 | | 2.9 | 6.4 | 31 | 46.3 | 0.073 |
| W844170 | | 5.0 | 15.8 | 60 | 131.5 | 0.050 |
| W844171 | | 3.3 | 20.3 | 50 | 127.0 | 0.059 |
| W844172 | | 18.0 | 19.4 | 45 | 117.5 | 0.076 |
| W844173 | | 3.2 | 17.1 | 46 | 124.0 | 0.381 |
| W844174 | | 24.6 | 12.3 | 35 | 92.0 | 0.209 |
| W844175 | | 80.4 | 13.3 | 42 | 99.9 | 0.372 |
| W844176 | | 23.7 | 12.8 | 35 | 94.8 | 0.162 |
| W844177 | | 4.9 | 10.9 | 28 | 95.7 | 0.022 |
| W844178 | | 3.7 | 10.7 | 31 | 84.5 | 0.042 |
| W844179 | | 4.5 | 13.5 | 30 | 108.5 | 0.024 |
| W844180 | | 2.4 | 11.6 | 34 | 112.5 | 0.020 |
| W844181 | | 3.2 | 13.9 | 39 | 149.0 | 0.017 |
| W844182 | | 9.7 | 12.8 | 31 | 150.0 | 0.010 |
| W844183 | | 4.6 | 12.9 | 47 | 133.0 | 0.014 |
| W844184 | | 3.4 | 13.3 | 22 | 162.5 | 0.008 |
| W844185 | | 4.0 | 12.7 | 38 | 67.4 | 0.010 |
| W844186 | | 21.2 | 10.0 | 69 | 44.3 | 0.005 |
| W844187 | | 7.5 | 11.2 | 53 | 94.8 | 0.007 |
| W844188 | | 6.2 | 14.4 | 61 | 129.5 | 0.008 |
| W844189 | | 3.0 | 14.0 | 40 | 93.1 | 0.005 |
| W844190 | | 5.7 | 13.3 | 80 | 71.2 | 0.006 |
| W844191 | | 2.4 | 15.9 | 50 | 170.0 | 0.006 |
| W844192 | | 2.8 | 15.2 | 53 | 131.0 | 0.005 |
| W844193 | | 8.7 | 13.7 | 38 | 152.5 | 0.005 |
| W844194 | | 2.7 | 13.3 | 36 | 156.5 | 0.005 |
| W844195 | | 2.4 | 13.9 | 33 | 160.5 | 0.005 |
| W844196 | | 4.1 | 12.8 | 25 | 148.5 | 0.005 |
| W844197 | | 3.3 | 13.6 | 26 | 147.0 | 0.008 |
| W844198 | | 3.4 | 15.1 | 32 | 153.5 | 0.006 |
| W844199 | | 2.2 | 14.8 | 31 | 154.5 | 0.011 |
| W844200 | | 2.4 | 15.1 | 26 | 134.0 | 0.016 |
| W844201 | | 2.3 | 13.3 | 28 | 121.5 | 0.016 |
| W844202 | | 2.7 | 14.3 | 23 | 110.5 | 0.019 |
| W844203 | | 3.1 | 13.9 | 24 | 109.0 | 0.019 |
| W844204 | | 2.9 | 14.0 | 35 | 117.0 | 0.008 |
| W844205 | | 2.8 | 13.7 | 45 | 97.8 | 0.006 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844206 | | 2.75 | 0.03 | 7.37 | 125.5 | 2040 | 2.09 | 0.44 | 0.33 | 0.04 | 90.3 | 13.3 | 74 | 8.09 | 63.6 | 5.17 |
| W844207 | | 2.76 | 0.03 | 7.16 | 191.0 | 1940 | 2.11 | 0.45 | 0.30 | 0.06 | 76.5 | 17.7 | 75 | 6.77 | 73.1 | 4.84 |
| W844208 | | 2.48 | 0.05 | 7.52 | 301 | 2130 | 2.46 | 0.73 | 0.32 | 0.06 | 85.5 | 14.7 | 99 | 5.58 | 70.6 | 4.53 |
| W844209 | | 2.89 | 0.05 | 6.36 | 263 | 1700 | 2.06 | 0.95 | 0.08 | 0.05 | 87.9 | 9.0 | 55 | 3.89 | 26.0 | 2.17 |
| W844210 | | 2.66 | 0.06 | 8.55 | 289 | 2270 | 2.70 | 1.70 | 0.18 | 0.05 | 104.5 | 11.7 | 66 | 5.15 | 44.4 | 2.55 |
| W844211 | | 2.83 | 0.04 | 8.21 | 275 | 2160 | 2.72 | 1.31 | 0.75 | 0.04 | 100.5 | 9.4 | 66 | 4.81 | 30.9 | 2.45 |
| W844212 | | 2.78 | 0.05 | 7.69 | 172.0 | 1950 | 2.58 | 0.78 | 1.94 | 0.05 | 94.2 | 15.6 | 68 | 4.74 | 17.0 | 2.70 |
| W844213 | | 2.82 | 0.08 | 7.15 | 171.0 | 1930 | 2.29 | 1.20 | 1.93 | 0.22 | 78.0 | 15.0 | 62 | 4.43 | 51.4 | 2.83 |
| W844214 | | 3.03 | 0.07 | 7.50 | 732 | 1790 | 2.50 | 0.47 | 0.64 | 0.15 | 93.5 | 16.2 | 65 | 6.57 | 19.2 | 4.89 |
| W844215 | | 2.97 | 0.03 | 8.23 | 176.5 | 2010 | 2.75 | 0.29 | 0.34 | 0.08 | 96.9 | 17.9 | 69 | 6.67 | 13.1 | 4.74 |
| W844216 | | 4.11 | 0.02 | 0.49 | 5.3 | 40 | 0.20 | 0.91 | 24.7 | 0.02 | 6.84 | 1.1 | 9 | 3.50 | 4.2 | 0.45 |
| W844217 | | 3.19 | 0.11 | 0.28 | 2.1 | 20 | 0.21 | 24.3 | 20.3 | 0.02 | 5.59 | 4.2 | 5 | 1.06 | 83.7 | 2.64 |
| W844218 | | 3.80 | 0.05 | 0.21 | 6.5 | 20 | 0.16 | 3.12 | 21.9 | 0.03 | 5.53 | 0.9 | 4 | 0.97 | 14.8 | 0.65 |
| W844219 | | 3.81 | 0.21 | 0.24 | 8.4 | 10 | 0.21 | 8.24 | 21.7 | 3.59 | 4.77 | 2.7 | 4 | 0.51 | 39.2 | 1.08 |
| W844220 | | 3.27 | 0.05 | 0.30 | 1.2 | 20 | 0.20 | 1.97 | 22.2 | 0.11 | 4.92 | 0.7 | 5 | 2.48 | 8.8 | 0.37 |
| W844221 | | 3.13 | 0.06 | 0.13 | 10.3 | 20 | 0.14 | 4.12 | 23.0 | 0.05 | 4.75 | 0.8 | 3 | 0.51 | 18.8 | 0.82 |
| W844222 | | 3.43 | 0.06 | 0.11 | 5.3 | 40 | 0.15 | 1.31 | 23.0 | 0.04 | 4.49 | 1.4 | 3 | 1.02 | 8.3 | 0.37 |
| W844223 | | 3.33 | 0.10 | 0.34 | 8.7 | 30 | 0.18 | 3.05 | 23.3 | 0.03 | 6.35 | 0.8 | 6 | 2.69 | 8.3 | 0.60 |
| W844224 | | 3.20 | 0.10 | 0.35 | 8.1 | 30 | 0.17 | 4.12 | 22.7 | 0.02 | 6.33 | 0.8 | 6 | 2.68 | 4.9 | 0.61 |
| W844225 | | 3.63 | 0.06 | 0.32 | 1.8 | 20 | 0.21 | 3.58 | 22.5 | 0.02 | 5.99 | 0.9 | 5 | 2.69 | 25.6 | 0.98 |
| W844226 | | 4.04 | 0.08 | 0.35 | 2.7 | 20 | 0.19 | 3.74 | 22.9 | 0.02 | 6.56 | 4.6 | 6 | 2.95 | 12.2 | 0.52 |
| W844227 | | 2.79 | 0.08 | 0.39 | 2.6 | 20 | 0.19 | 9.94 | 22.7 | 0.02 | 6.33 | 1.3 | 6 | 2.54 | 48.8 | 1.36 |
| W844228 | | 2.52 | 0.11 | 0.53 | 4.2 | 150 | 0.38 | 58.4 | 21.8 | 0.05 | 7.15 | 5.9 | 9 | 4.44 | 115.0 | 2.53 |
| W844229 | | 2.60 | 0.38 | 0.66 | 26.7 | 150 | 0.48 | 37.3 | 23.7 | 0.12 | 8.07 | 2.0 | 10 | 2.28 | 36.2 | 1.30 |
| W844230 | | 3.13 | 1.49 | 0.37 | 87.6 | 5590 | 0.36 | 58.8 | 27.8 | 3.91 | 5.67 | 3.8 | 7 | 1.37 | 72.7 | 2.30 |
| W844231 | | 3.06 | 0.14 | 0.28 | 9.5 | 1840 | 0.23 | 14.15 | 22.9 | 0.39 | 6.08 | 1.3 | 5 | 1.75 | 23.0 | 0.91 |
| W844232 | | 2.96 | 0.08 | 0.17 | 5.8 | 1000 | 0.21 | 10.50 | 22.9 | 0.20 | 4.17 | 0.6 | 4 | 0.78 | 7.1 | 0.42 |
| W844233 | | 3.02 | 0.11 | 0.16 | 13.5 | 700 | 0.16 | 14.45 | 20.1 | 0.20 | 4.16 | 1.0 | 5 | 0.52 | 5.7 | 0.51 |
| W844234 | | 2.75 | 0.17 | 0.22 | 10.2 | 1330 | 0.19 | 9.74 | 20.4 | 0.35 | 4.78 | 7.5 | 6 | 0.65 | 12.6 | 0.42 |
| W844235 | | 3.14 | 0.11 | 0.17 | 14.1 | 1460 | 0.17 | 7.65 | 20.2 | 0.20 | 3.93 | 0.7 | 6 | 0.35 | 9.2 | 0.43 |
| W844236 | | 2.83 | 0.11 | 0.14 | 15.1 | 480 | 0.19 | 3.69 | 21.1 | 0.08 | 4.71 | 0.7 | 5 | 0.25 | 6.6 | 0.42 |
| W844237 | | 2.43 | 0.08 | 0.12 | 9.6 | 220 | 0.20 | 1.95 | 22.5 | 0.05 | 4.73 | 0.5 | 4 | 0.18 | 3.9 | 0.41 |
| W844238 | | 2.57 | 0.05 | 0.10 | 4.4 | 150 | 0.18 | 1.17 | 22.9 | 0.06 | 4.69 | 0.5 | 4 | 0.20 | 3.9 | 0.32 |
| W844239 | | 3.06 | 0.12 | 0.15 | 17.2 | 130 | 0.17 | 2.04 | 22.4 | 0.13 | 4.52 | 0.7 | 5 | 0.27 | 8.1 | 0.56 |
| W844240 | | 2.91 | 0.14 | 0.24 | 22.4 | 180 | 0.28 | 13.65 | 22.4 | 0.09 | 4.90 | 0.9 | 7 | 0.25 | 3.7 | 0.68 |
| W844241 | | 2.89 | 0.37 | 0.29 | 47.5 | 750 | 0.31 | 7.70 | 23.2 | 0.83 | 5.81 | 0.9 | 7 | 0.30 | 3.6 | 1.10 |
| W844242 | | 2.94 | 0.34 | 0.37 | 31.1 | 150 | 0.34 | 6.09 | 23.0 | 0.58 | 6.22 | 1.0 | 8 | 0.32 | 3.5 | 0.99 |
| W844243 | | 3.08 | 0.28 | 0.38 | 9.5 | 130 | 0.24 | 3.26 | 23.1 | 0.42 | 5.19 | 1.0 | 9 | 0.70 | 4.1 | 0.53 |
| W844244 | | 2.71 | 0.10 | 0.29 | 10.1 | 130 | 0.18 | 1.80 | 23.4 | 0.18 | 5.66 | 0.7 | 8 | 0.51 | 4.0 | 0.37 |
| W844245 | | 2.69 | 0.49 | 0.38 | 22.1 | 140 | 0.24 | 4.63 | 22.5 | 1.21 | 7.72 | 1.0 | 9 | 1.06 | 3.1 | 0.73 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844206 | | 19.30 | 0.13 | 2.4 | 0.075 | 3.23 | 48.5 | 30.2 | 1.59 | 779 | 1.55 | 0.08 | 30.3 | 36.7 | 1420 | 2.5 |
| W844207 | | 18.95 | 0.11 | 2.6 | 0.075 | 3.08 | 40.6 | 17.2 | 1.09 | 939 | 2.15 | 0.09 | 26.6 | 47.1 | 1250 | 2.5 |
| W844208 | | 20.1 | 0.14 | 3.0 | 0.068 | 3.28 | 44.1 | 12.4 | 0.61 | 663 | 7.36 | 0.09 | 19.7 | 46.4 | 1580 | 2.6 |
| W844209 | | 16.90 | 0.13 | 1.3 | 0.077 | 2.93 | 43.5 | 8.1 | 0.28 | 307 | 3.71 | 0.07 | 11.0 | 24.6 | 340 | 2.5 |
| W844210 | | 22.4 | 0.13 | 1.6 | 0.093 | 4.01 | 52.4 | 10.7 | 0.37 | 349 | 2.28 | 0.10 | 13.7 | 26.5 | 310 | 2.9 |
| W844211 | | 21.2 | 0.13 | 1.5 | 0.087 | 3.82 | 50.4 | 10.5 | 0.41 | 605 | 2.00 | 0.09 | 13.4 | 26.6 | 290 | 3.5 |
| W844212 | | 20.0 | 0.14 | 1.5 | 0.074 | 3.50 | 45.8 | 12.8 | 0.70 | 1220 | 2.00 | 0.09 | 13.0 | 30.3 | 360 | 3.3 |
| W844213 | | 19.75 | 0.11 | 1.7 | 0.090 | 3.43 | 37.8 | 7.4 | 0.36 | 1050 | 2.58 | 0.10 | 12.5 | 36.1 | 330 | 10.8 |
| W844214 | | 20.4 | 0.12 | 1.7 | 0.090 | 3.31 | 46.0 | 10.0 | 0.63 | 765 | 3.47 | 0.09 | 17.0 | 36.8 | 360 | 34.2 |
| W844215 | | 21.4 | 0.12 | 1.8 | 0.100 | 3.61 | 47.8 | 12.6 | 0.89 | 857 | 2.06 | 0.10 | 18.2 | 37.2 | 380 | 5.8 |
| W844216 | | 1.45 | 0.06 | 0.2 | 0.009 | 0.32 | 4.0 | 3.6 | 12.75 | 429 | 0.73 | 0.02 | 1.9 | 5.6 | 20 | 0.9 |
| W844217 | | 1.36 | <0.05 | 0.1 | 0.009 | 0.07 | 3.0 | 2.1 | 11.90 | 689 | 1.24 | 0.02 | 0.6 | 4.8 | 20 | 1.9 |
| W844218 | | 0.70 | 0.08 | 0.1 | <0.005 | 0.08 | 3.3 | 2.0 | 10.95 | 355 | 0.47 | 0.01 | 0.7 | 3.2 | 10 | 0.9 |
| W844219 | | 0.84 | 0.07 | 0.1 | 0.005 | 0.05 | 2.7 | 1.7 | 11.40 | 548 | 0.67 | 0.01 | 0.7 | 2.9 | 20 | 206 |
| W844220 | | 0.99 | 0.19 | 0.1 | 0.005 | 0.18 | 2.9 | 2.3 | 11.05 | 393 | 0.59 | 0.01 | 0.9 | 4.2 | 10 | 6.1 |
| W844221 | | 0.66 | 0.14 | 0.1 | <0.005 | 0.03 | 2.8 | 1.8 | 11.30 | 416 | 0.95 | 0.01 | 0.4 | 2.5 | 10 | 1.9 |
| W844222 | | 0.42 | 0.24 | 0.1 | 0.005 | 0.08 | 2.8 | 2.3 | 11.60 | 265 | 0.52 | 0.01 | 0.3 | 1.9 | 20 | 1.7 |
| W844223 | | 1.36 | 0.20 | 0.2 | 0.008 | 0.20 | 3.6 | 2.5 | 11.85 | 491 | 0.53 | 0.01 | 1.2 | 4.1 | 20 | 1.5 |
| W844224 | | 1.03 | 0.20 | 0.2 | <0.005 | 0.23 | 3.6 | 2.4 | 11.60 | 460 | 0.42 | 0.01 | 1.3 | 3.8 | 20 | 0.7 |
| W844225 | | 1.28 | 0.16 | 0.2 | 0.009 | 0.21 | 3.3 | 2.4 | 11.70 | 654 | 0.48 | 0.01 | 1.3 | 4.2 | 10 | 1.0 |
| W844226 | | 1.10 | 0.23 | 0.2 | 0.007 | 0.23 | 3.8 | 2.5 | 11.60 | 495 | 0.45 | 0.01 | 1.5 | 5.1 | 20 | 0.8 |
| W844227 | | 1.51 | 0.17 | 0.2 | 0.007 | 0.20 | 3.4 | 2.5 | 11.80 | 678 | 0.74 | 0.01 | 1.4 | 4.3 | 20 | 1.0 |
| W844228 | | 2.57 | 0.11 | 0.3 | 0.007 | 0.28 | 3.7 | 3.8 | 11.50 | 727 | 0.97 | 0.01 | 1.8 | 7.7 | 20 | 2.2 |
| W844229 | | 3.30 | 0.11 | 0.4 | 0.007 | 0.09 | 4.2 | 3.2 | 9.14 | 890 | 0.36 | 0.01 | 2.6 | 8.2 | 30 | 9.8 |
| W844230 | | 2.20 | 0.09 | 0.2 | 0.013 | 0.06 | 3.2 | 2.0 | 5.09 | 1200 | 0.54 | <0.01 | 1.1 | 11.1 | 30 | 322 |
| W844231 | | 1.29 | 0.12 | 0.1 | 0.011 | 0.09 | 3.6 | 2.2 | 10.75 | 687 | 1.02 | 0.01 | 0.6 | 4.5 | 20 | 34.0 |
| W844232 | | 0.76 | 0.20 | 0.1 | 0.010 | 0.04 | 2.8 | 1.9 | 9.82 | 607 | 0.72 | 0.01 | 0.4 | 3.4 | 20 | 18.2 |
| W844233 | | 0.71 | 0.21 | 0.1 | 0.007 | 0.04 | 2.7 | 1.7 | 10.60 | 442 | 2.07 | 0.01 | 0.5 | 3.8 | 20 | 18.1 |
| W844234 | | 0.83 | 0.26 | 0.1 | 0.005 | 0.09 | 3.1 | 1.6 | 9.96 | 314 | 2.01 | <0.01 | 0.7 | 3.9 | 10 | 26.4 |
| W844235 | | 0.68 | 0.24 | 0.1 | 0.005 | 0.07 | 2.6 | 1.4 | 10.20 | 290 | 2.02 | <0.01 | 0.5 | 3.3 | 10 | 17.1 |
| W844236 | | 0.63 | 0.37 | 0.1 | 0.006 | 0.05 | 3.0 | 1.5 | 11.15 | 310 | 2.05 | 0.01 | 0.4 | 3.2 | 10 | 6.3 |
| W844237 | | 0.51 | 0.30 | 0.1 | 0.006 | 0.03 | 3.0 | 1.4 | 11.70 | 372 | 1.11 | 0.01 | 0.3 | 2.4 | 20 | 3.7 |
| W844238 | | 0.47 | 0.40 | <0.1 | <0.005 | 0.03 | 2.8 | 1.6 | 12.05 | 330 | 0.93 | 0.01 | 0.3 | 2.4 | 20 | 2.3 |
| W844239 | | 0.72 | 0.34 | 0.1 | 0.029 | 0.05 | 2.8 | 1.4 | 11.90 | 516 | 1.51 | 0.01 | 0.4 | 3.0 | 20 | 4.0 |
| W844240 | | 0.83 | 0.32 | 0.1 | 0.009 | 0.07 | 2.9 | 1.4 | 11.70 | 365 | 2.70 | 0.01 | 0.8 | 4.7 | 20 | 6.0 |
| W844241 | | 1.02 | 0.24 | 0.2 | 0.008 | 0.07 | 3.3 | 1.5 | 11.80 | 566 | 1.48 | 0.01 | 1.0 | 4.3 | 10 | 60.6 |
| W844242 | | 1.24 | 0.19 | 0.2 | <0.005 | 0.08 | 3.6 | 1.5 | 11.70 | 477 | 0.92 | 0.02 | 1.5 | 5.1 | 10 | 51.3 |
| W844243 | | 1.03 | 0.29 | 0.2 | 0.005 | 0.16 | 3.0 | 1.8 | 11.60 | 388 | 0.84 | 0.01 | 1.4 | 5.2 | 20 | 60.1 |
| W844244 | | 0.81 | 0.32 | 0.1 | 0.009 | 0.12 | 3.4 | 1.8 | 11.60 | 272 | 0.90 | 0.01 | 1.1 | 5.2 | 20 | 11.8 |
| W844245 | | 1.00 | 0.26 | 0.2 | <0.005 | 0.17 | 4.4 | 1.9 | 11.75 | 381 | 0.73 | 0.01 | 1.6 | 4.3 | 10 | 77.5 |

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**Finalized Date: 8-DEC-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844206 | | 150.0 | <0.002 | 0.11 | 0.98 | 13.2 | 1 | 3.6 | 49.6 | 1.85 | <0.05 | 12.40 | 0.743 | 1.06 | 2.9 | 142 |
| W844207 | | 142.0 | <0.002 | 0.07 | 1.00 | 12.8 | 1 | 3.5 | 47.7 | 1.58 | 0.06 | 12.10 | 0.617 | 0.90 | 3.1 | 138 |
| W844208 | | 144.0 | <0.002 | 0.06 | 2.36 | 13.4 | 1 | 8.6 | 50.2 | 1.28 | 0.06 | 13.25 | 0.491 | 0.94 | 4.0 | 271 |
| W844209 | | 116.5 | <0.002 | 0.02 | 1.07 | 11.4 | 1 | 10.7 | 23.7 | 0.68 | <0.05 | 13.95 | 0.273 | 0.67 | 1.5 | 80 |
| W844210 | | 153.0 | <0.002 | 0.02 | 1.07 | 14.5 | 1 | 13.3 | 27.5 | 0.83 | <0.05 | 16.70 | 0.339 | 0.84 | 1.6 | 100 |
| W844211 | | 149.0 | <0.002 | 0.03 | 1.35 | 14.1 | <1 | 12.5 | 28.4 | 0.84 | <0.05 | 16.70 | 0.333 | 0.84 | 1.6 | 91 |
| W844212 | | 147.0 | <0.002 | 0.02 | 1.12 | 13.4 | 1 | 12.1 | 39.8 | 0.83 | 0.05 | 16.10 | 0.343 | 0.83 | 1.4 | 91 |
| W844213 | | 120.5 | <0.002 | 0.03 | 2.17 | 11.9 | 1 | 9.1 | 34.2 | 0.80 | 0.06 | 14.00 | 0.328 | 0.74 | 1.5 | 90 |
| W844214 | | 149.5 | <0.002 | 0.01 | 1.84 | 13.1 | 1 | 7.1 | 34.9 | 1.11 | <0.05 | 16.70 | 0.397 | 0.95 | 2.0 | 89 |
| W844215 | | 153.0 | <0.002 | 0.02 | 1.63 | 13.9 | 1 | 5.5 | 43.1 | 1.22 | <0.05 | 16.35 | 0.462 | 0.86 | 1.9 | 94 |
| W844216 | | 52.9 | <0.002 | 0.02 | 0.09 | 1.3 | 1 | 0.4 | 87.4 | 0.11 | <0.05 | 0.66 | 0.044 | 0.40 | 0.4 | 11 |
| W844217 | | 16.2 | <0.002 | 0.01 | 0.28 | 1.0 | <1 | 0.5 | 69.1 | <0.05 | 0.22 | 0.46 | 0.017 | 0.21 | 0.5 | 9 |
| W844218 | | 14.0 | <0.002 | 0.01 | 0.11 | 0.8 | <1 | 0.3 | 75.5 | <0.05 | 0.14 | 0.37 | 0.016 | 0.18 | 0.4 | 6 |
| W844219 | | 8.3 | <0.002 | 0.13 | 1.52 | 0.8 | <1 | 0.4 | 73.5 | <0.05 | 0.16 | 0.37 | 0.017 | 0.13 | 0.4 | 6 |
| W844220 | | 35.1 | <0.002 | 0.01 | 0.11 | 0.8 | 1 | 0.4 | 88.5 | 0.05 | 0.06 | 0.40 | 0.020 | 0.30 | 0.3 | 6 |
| W844221 | | 7.3 | <0.002 | 0.01 | 0.17 | 0.5 | <1 | 0.2 | 83.0 | <0.05 | 0.09 | 0.23 | 0.009 | 0.09 | 0.4 | 6 |
| W844222 | | 9.2 | <0.002 | 0.02 | 0.07 | 0.4 | <1 | 0.2 | 84.1 | <0.05 | 0.08 | 0.16 | 0.007 | 0.11 | 0.3 | 5 |
| W844223 | | 40.5 | <0.002 | 0.03 | 0.12 | 1.0 | <1 | 0.4 | 84.9 | 0.06 | 0.05 | 0.43 | 0.027 | 0.31 | 0.3 | 6 |
| W844224 | | 35.8 | <0.002 | 0.02 | 0.10 | 0.9 | <1 | 0.4 | 78.0 | 0.06 | 0.16 | 0.41 | 0.030 | 0.28 | 0.3 | 6 |
| W844225 | | 45.6 | <0.002 | 0.02 | 0.25 | 0.9 | <1 | 0.4 | 79.2 | 0.07 | 0.06 | 0.39 | 0.029 | 0.35 | 0.4 | 5 |
| W844226 | | 44.6 | <0.002 | <0.01 | 0.08 | 1.0 | <1 | 0.4 | 82.8 | 0.09 | 0.12 | 0.44 | 0.032 | 0.38 | 0.3 | 6 |
| W844227 | | 46.0 | <0.002 | <0.01 | 0.43 | 1.1 | <1 | 0.5 | 77.4 | 0.07 | 0.17 | 0.47 | 0.032 | 1.00 | 0.5 | 5 |
| W844228 | | 70.3 | <0.002 | 0.01 | 1.38 | 1.5 | <1 | 0.6 | 76.9 | 0.10 | 0.49 | 0.62 | 0.042 | 2.88 | 0.7 | 7 |
| W844229 | | 22.3 | 0.004 | <0.01 | 4.15 | 1.8 | <1 | 0.7 | 62.4 | 0.13 | 0.52 | 0.68 | 0.058 | 2.20 | 1.1 | 9 |
| W844230 | | 10.8 | <0.002 | 0.13 | 22.6 | 1.2 | 1 | 0.5 | 55.8 | 0.06 | 0.26 | 0.68 | 0.028 | 5.05 | 0.9 | 10 |
| W844231 | | 20.4 | <0.002 | 0.04 | 2.51 | 0.8 | <1 | 0.4 | 73.9 | <0.05 | 0.11 | 0.55 | 0.018 | 1.14 | 0.5 | 10 |
| W844232 | | 8.4 | <0.002 | 0.02 | 1.45 | 0.4 | <1 | 0.3 | 73.2 | <0.05 | 0.06 | 0.32 | 0.011 | 0.66 | 0.3 | 8 |
| W844233 | | 8.3 | <0.002 | 0.01 | 1.03 | 0.5 | 1 | 0.4 | 58.9 | <0.05 | 0.16 | 0.33 | 0.012 | 0.95 | 0.2 | 7 |
| W844234 | | 9.8 | <0.002 | 0.03 | 1.64 | 0.6 | <1 | 0.4 | 58.1 | <0.05 | 0.10 | 0.42 | 0.016 | 0.66 | 0.3 | 6 |
| W844235 | | 6.5 | <0.002 | 0.03 | 1.17 | 0.5 | <1 | 0.3 | 55.3 | <0.05 | 0.08 | 0.35 | 0.012 | 0.36 | 0.3 | 5 |
| W844236 | | 4.7 | <0.002 | 0.03 | 0.49 | 0.4 | 1 | 0.3 | 62.3 | <0.05 | 0.07 | 0.28 | 0.009 | 0.18 | 0.2 | 7 |
| W844237 | | 3.2 | <0.002 | 0.03 | 0.25 | 0.4 | 1 | 0.3 | 62.4 | <0.05 | 0.07 | 0.27 | 0.009 | 0.10 | 0.3 | 6 |
| W844238 | | 3.2 | <0.002 | 0.04 | 0.15 | 0.5 | <1 | 0.6 | 67.4 | <0.05 | <0.05 | 0.24 | 0.007 | 0.08 | 0.2 | 8 |
| W844239 | | 4.1 | <0.002 | 0.04 | 0.32 | 0.5 | <1 | 7.4 | 67.2 | <0.05 | 0.06 | 0.27 | 0.010 | 0.12 | 0.3 | 8 |
| W844240 | | 4.6 | <0.002 | 0.02 | 0.62 | 0.7 | <1 | 0.7 | 68.0 | <0.05 | 0.34 | 0.42 | 0.020 | 0.17 | 0.5 | 7 |
| W844241 | | 4.9 | <0.002 | 0.07 | 0.82 | 0.9 | <1 | 0.8 | 76.7 | 0.06 | 0.23 | 0.48 | 0.024 | 0.20 | 0.5 | 5 |
| W844242 | | 5.8 | <0.002 | 0.04 | 0.36 | 1.0 | 1 | 0.8 | 82.0 | 0.09 | 0.24 | 0.54 | 0.034 | 0.17 | 0.4 | 7 |
| W844243 | | 10.8 | <0.002 | 0.02 | 0.80 | 1.0 | <1 | 0.5 | 84.6 | 0.08 | 0.08 | 0.52 | 0.032 | 0.22 | 0.4 | 6 |
| W844244 | | 7.4 | <0.002 | 0.01 | 0.27 | 0.8 | 1 | 0.5 | 84.8 | 0.06 | 0.11 | 0.38 | 0.024 | 0.15 | 0.3 | 14 |
| W844245 | | 12.8 | <0.002 | 0.08 | 0.38 | 1.3 | <1 | 0.5 | 76.0 | 0.09 | 0.24 | 0.50 | 0.035 | 0.19 | 0.3 | 8 |

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

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


**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844206 | | 3.3 | 14.5 | 43 | 102.0 | 0.007 |
| W844207 | | 3.4 | 14.9 | 41 | 109.5 | 0.005 |
| W844208 | | 4.5 | 14.5 | 44 | 120.5 | 0.007 |
| W844209 | | 5.5 | 7.8 | 13 | 52.6 | 0.048 |
| W844210 | | 4.0 | 8.8 | 15 | 59.5 | 0.025 |
| W844211 | | 5.3 | 8.7 | 15 | 56.5 | 0.064 |
| W844212 | | 5.4 | 12.2 | 23 | 57.5 | 0.110 |
| W844213 | | 3.6 | 10.6 | 40 | 65.5 | 0.074 |
| W844214 | | 4.0 | 11.5 | 53 | 63.7 | 0.034 |
| W844215 | | 6.3 | 11.0 | 40 | 65.3 | 0.005 |
| W844216 | | 0.7 | 4.1 | 8 | 8.7 | <0.005 |
| W844217 | | 14.4 | 5.3 | 10 | 5.3 | <0.005 |
| W844218 | | 1.0 | 3.9 | 25 | 4.0 | <0.005 |
| W844219 | | 1.6 | 3.9 | 743 | 5.1 | <0.005 |
| W844220 | | 0.8 | 3.1 | 37 | 5.0 | <0.005 |
| W844221 | | 0.8 | 4.2 | 18 | 2.5 | 0.005 |
| W844222 | | 2.2 | 3.2 | 10 | 1.7 | <0.005 |
| W844223 | | 0.7 | 4.8 | 14 | 5.9 | 0.005 |
| W844224 | | 0.6 | 3.8 | 8 | 6.2 | 0.005 |
| W844225 | | 0.9 | 4.3 | 16 | 6.4 | <0.005 |
| W844226 | | 36.6 | 4.2 | 18 | 6.8 | 0.005 |
| W844227 | | 2.0 | 4.2 | 69 | 7.7 | <0.005 |
| W844228 | | 3.1 | 6.3 | 254 | 10.7 | 0.005 |
| W844229 | | 5.6 | 6.7 | 563 | 13.7 | 0.005 |
| W844230 | | 20.9 | 5.9 | 2040 | 7.0 | <0.005 |
| W844231 | | 3.4 | 5.1 | 275 | 5.8 | 0.005 |
| W844232 | | 3.6 | 3.3 | 153 | 2.7 | 0.005 |
| W844233 | | 3.0 | 3.6 | 96 | 2.8 | <0.005 |
| W844234 | | 42.7 | 4.0 | 134 | 3.9 | <0.005 |
| W844235 | | 2.4 | 3.6 | 92 | 3.0 | <0.005 |
| W844236 | | 1.4 | 4.2 | 35 | 2.6 | <0.005 |
| W844237 | | 1.1 | 4.0 | 27 | 2.2 | <0.005 |
| W844238 | | 0.9 | 4.0 | 19 | 1.6 | <0.005 |
| W844239 | | 0.9 | 3.9 | 25 | 2.7 | <0.005 |
| W844240 | | 1.4 | 3.5 | 35 | 4.7 | <0.005 |
| W844241 | | 1.1 | 4.9 | 192 | 5.5 | 0.005 |
| W844242 | | 1.4 | 4.9 | 152 | 7.1 | <0.005 |
| W844243 | | 1.5 | 3.4 | 138 | 7.0 | 0.006 |
| W844244 | | 0.9 | 3.7 | 61 | 5.1 | 0.010 |
| W844245 | | 1.3 | 5.3 | 252 | 7.3 | <0.005 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844246 | | 2.68 | 0.13 | 0.37 | 11.6 | 140 | 0.24 | 3.16 | 22.9 | 0.29 | 7.30 | 1.0 | 9 | 1.05 | 2.9 | 0.59 |
| W844247 | | 2.84 | 0.12 | 0.39 | 10.4 | 100 | 0.28 | 11.35 | 22.9 | 0.45 | 7.56 | 1.8 | 9 | 1.56 | 26.6 | 1.34 |
| W844248 | | 2.51 | 0.10 | 0.87 | 11.6 | 80 | 0.37 | 5.30 | 21.9 | 0.04 | 9.22 | 2.0 | 17 | 7.62 | 3.9 | 0.95 |
| W844249 | | 2.42 | 0.22 | 0.78 | 15.9 | 150 | 0.43 | 10.20 | 21.7 | 0.07 | 10.65 | 1.8 | 18 | 3.43 | 3.6 | 1.07 |
| W844250 | | 2.42 | 0.32 | 1.01 | 43.6 | 180 | 0.51 | 11.15 | 21.0 | 0.29 | 11.15 | 2.4 | 19 | 2.81 | 3.4 | 1.53 |
| W844251 | | 2.82 | 0.69 | 0.85 | 14.7 | 2080 | 0.51 | 3.92 | 22.6 | 1.34 | 8.95 | 1.7 | 17 | 1.81 | 3.2 | 1.06 |
| W844252 | | 2.53 | 0.95 | 0.90 | 35.4 | 2560 | 0.65 | 8.16 | 23.3 | 2.95 | 8.53 | 2.2 | 19 | 1.69 | 4.4 | 1.28 |
| W844253 | | 3.03 | 0.14 | 0.87 | 10.2 | 290 | 0.32 | 7.11 | 22.1 | 0.46 | 10.65 | 2.4 | 18 | 2.07 | 5.1 | 0.92 |
| W844254 | | 2.35 | 0.43 | 0.93 | 29.5 | 210 | 0.38 | 17.25 | 18.10 | 1.04 | 8.16 | 3.3 | 42 | 2.08 | 5.0 | 3.13 |
| W844255 | | 2.78 | 1.53 | 0.64 | 33.5 | 1880 | 0.27 | 8.87 | 21.8 | 5.90 | 8.20 | 2.3 | 23 | 2.04 | 6.8 | 2.28 |
| W844256 | | 2.66 | 1.15 | 0.80 | 28.6 | 1240 | 0.41 | 5.72 | 21.1 | 13.85 | 7.84 | 5.2 | 42 | 2.73 | 23.0 | 3.44 |
| W844257 | | 2.49 | 0.70 | 0.69 | 23.6 | 180 | 0.34 | 15.50 | 20.4 | 3.88 | 9.06 | 3.7 | 39 | 1.81 | 47.8 | 2.94 |
| W844258 | | 2.26 | 0.23 | 0.79 | 34.2 | 160 | 0.31 | 8.66 | 18.30 | 0.55 | 6.80 | 3.9 | 44 | 1.00 | 32.0 | 2.81 |
| W844259 | | 2.53 | 0.13 | 0.72 | 15.6 | 240 | 0.28 | 4.35 | 14.90 | 0.18 | 4.35 | 2.6 | 32 | 1.77 | 5.9 | 1.55 |
| W844260 | | 2.50 | 0.11 | 0.80 | 16.1 | 100 | 0.20 | 1.89 | 17.30 | 0.11 | 5.37 | 3.2 | 35 | 2.51 | 11.1 | 1.71 |
| W844261 | | 2.72 | 0.09 | 1.04 | 15.2 | 100 | 0.28 | 1.63 | 19.40 | 0.09 | 7.86 | 2.6 | 35 | 1.73 | 5.6 | 1.51 |
| W844262 | | 3.19 | 0.14 | 1.86 | 15.3 | 180 | 0.40 | 1.16 | 18.70 | 0.07 | 12.00 | 4.5 | 59 | 4.87 | 7.4 | 1.82 |
| W844263 | | 3.33 | 0.11 | 1.36 | 10.9 | 110 | 0.34 | 0.82 | 20.7 | 0.05 | 13.80 | 3.4 | 38 | 4.17 | 5.3 | 1.50 |
| W844264 | | 2.46 | 0.11 | 1.09 | 18.8 | 190 | 0.36 | 4.20 | 20.8 | 0.24 | 11.30 | 3.2 | 24 | 2.23 | 5.9 | 1.53 |
| W844265 | | 2.38 | 0.11 | 1.64 | 18.7 | 330 | 0.65 | 3.90 | 21.7 | 0.28 | 15.75 | 5.6 | 30 | 2.05 | 5.4 | 1.83 |
| W844266 | | 2.91 | 0.13 | 1.34 | 11.6 | 170 | 0.44 | 2.93 | 21.0 | 0.15 | 17.15 | 3.0 | 26 | 6.63 | 5.0 | 1.62 |
| W844267 | | 3.02 | 0.16 | 1.82 | 15.0 | 170 | 0.50 | 1.94 | 18.55 | 0.11 | 21.0 | 4.6 | 31 | 11.25 | 5.0 | 2.24 |
| W844268 | | 2.64 | 0.13 | 2.78 | 17.0 | 220 | 0.74 | 2.12 | 17.90 | 0.07 | 30.0 | 5.9 | 41 | 21.8 | 4.4 | 2.74 |
| W844269 | | 2.74 | 0.16 | 3.60 | 22.3 | 220 | 0.93 | 5.11 | 16.25 | 0.29 | 42.1 | 8.9 | 52 | 28.9 | 5.0 | 3.68 |
| W844270 | | 3.99 | 0.04 | 0.22 | 1.9 | 20 | 0.19 | 3.79 | 24.6 | 0.03 | 4.98 | 1.1 | 4 | 1.52 | 21.8 | 0.79 |
| W844271 | | 4.01 | 0.05 | 0.21 | 2.3 | 10 | 0.17 | 2.21 | 22.9 | 0.07 | 4.48 | 1.3 | 6 | 1.89 | 46.1 | 1.04 |
| W844272 | | 3.67 | 0.02 | 0.20 | 0.7 | 10 | 0.17 | 1.53 | 22.4 | 0.02 | 5.32 | 0.6 | 4 | 1.85 | 7.4 | 0.50 |
| W844273 | | 3.57 | 0.03 | 0.43 | 1.1 | 10 | 0.27 | 3.22 | 22.8 | 0.03 | 4.73 | 1.8 | 7 | 3.12 | 17.9 | 0.66 |
| W844274 | | 3.26 | 0.04 | 0.66 | 1.3 | 20 | 0.27 | 4.68 | 23.8 | 0.03 | 5.94 | 1.7 | 9 | 5.91 | 68.8 | 0.97 |
| W844275 | | 2.88 | 0.05 | 0.68 | 2.5 | 20 | 0.29 | 2.63 | 24.3 | 0.05 | 6.81 | 2.1 | 10 | 6.32 | 43.2 | 0.89 |
| W844276 | | 3.03 | 0.06 | 0.31 | 1.5 | 10 | 0.16 | 1.73 | 28.3 | 0.06 | 4.94 | 3.7 | 7 | 3.20 | 90.5 | 2.32 |
| W844277 | | 2.91 | 0.05 | 0.95 | 0.6 | 10 | 0.38 | 7.93 | 23.0 | 0.03 | 7.29 | 2.0 | 13 | 6.43 | 26.1 | 0.96 |
| W844278 | | 3.32 | 0.03 | 0.38 | 1.6 | 10 | 0.22 | 6.04 | 23.3 | 0.03 | 4.65 | 1.4 | 8 | 2.60 | 30.4 | 0.88 |
| W844279 | | 3.26 | 0.05 | 0.42 | 1.3 | 20 | 0.26 | 5.84 | 23.9 | 0.04 | 5.03 | 2.0 | 10 | 3.98 | 49.9 | 1.07 |
| W844280 | | 3.10 | 0.02 | 0.27 | 0.7 | 10 | 0.22 | 0.86 | 24.1 | 0.06 | 4.74 | 0.9 | 7 | 3.10 | 6.1 | 0.63 |
| W844281 | | 3.52 | 0.02 | 0.30 | 1.1 | 10 | 0.25 | 2.12 | 23.8 | 0.05 | 4.40 | 0.6 | 8 | 3.19 | 7.4 | 0.53 |
| W844282 | | 3.21 | 0.02 | 0.25 | 0.4 | 10 | 0.21 | 1.49 | 23.8 | 0.05 | 4.90 | 0.8 | 7 | 2.98 | 12.2 | 0.67 |
| W844283 | | 2.79 | 0.15 | 0.30 | 1.4 | 10 | 0.18 | 92.0 | 20.7 | 0.07 | 5.18 | 11.6 | 10 | 3.71 | 401 | 5.28 |
| W844284 | | 2.90 | 0.13 | 0.30 | 1.5 | 10 | 0.19 | 10.25 | 21.3 | 0.08 | 6.01 | 11.1 | 11 | 3.61 | 334 | 5.24 |
| W844285 | | 2.67 | 0.09 | 0.32 | 1.3 | 10 | 0.26 | 25.7 | 23.2 | 0.08 | 5.21 | 4.4 | 9 | 3.82 | 124.5 | 2.05 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844246 | | 1.15 | 0.31 | 0.2 | 0.005 | 0.12 | 4.1 | 1.8 | 11.40 | 447 | 0.81 | 0.01 | 1.7 | 5.2 | 20 | 17.1 |
| W844247 | | 1.58 | 0.23 | 0.2 | 0.006 | 0.13 | 4.0 | 1.9 | 11.80 | 672 | 1.09 | 0.01 | 1.6 | 7.7 | 20 | 22.2 |
| W844248 | | 2.31 | 0.24 | 0.4 | 0.005 | 0.62 | 4.8 | 5.5 | 11.30 | 420 | 0.80 | 0.01 | 3.8 | 9.6 | 20 | 3.6 |
| W844249 | | 2.24 | 0.24 | 0.4 | <0.005 | 0.43 | 5.7 | 4.6 | 11.85 | 412 | 0.94 | 0.01 | 3.9 | 8.6 | 30 | 5.4 |
| W844250 | | 2.68 | 0.22 | 0.5 | 0.007 | 0.50 | 5.8 | 6.8 | 11.50 | 449 | 0.69 | 0.01 | 4.4 | 14.3 | 30 | 21.3 |
| W844251 | | 2.19 | 0.22 | 0.4 | <0.005 | 0.32 | 4.7 | 2.1 | 10.05 | 652 | 0.57 | 0.01 | 3.9 | 9.3 | 30 | 153.0 |
| W844252 | | 2.13 | 0.18 | 0.4 | <0.005 | 0.33 | 4.7 | 3.1 | 9.73 | 603 | 0.78 | <0.01 | 3.8 | 10.4 | 30 | 171.0 |
| W844253 | | 2.42 | 0.12 | 0.4 | <0.005 | 0.43 | 6.0 | 6.1 | 11.20 | 458 | 1.31 | 0.01 | 3.8 | 12.0 | 50 | 30.5 |
| W844254 | | 2.25 | 0.05 | 0.5 | 0.006 | 0.39 | 4.7 | 5.5 | 10.25 | 447 | 1.77 | 0.01 | 5.9 | 13.7 | 70 | 68.5 |
| W844255 | | 1.69 | <0.05 | 0.4 | 0.005 | 0.26 | 4.5 | 2.3 | 11.40 | 835 | 0.97 | 0.01 | 3.6 | 9.6 | 80 | 496 |
| W844256 | | 2.38 | <0.05 | 0.5 | 0.008 | 0.33 | 4.4 | 2.0 | 9.97 | 2040 | 1.22 | 0.01 | 6.7 | 20.0 | 160 | 589 |
| W844257 | | 2.06 | <0.05 | 0.5 | 0.009 | 0.16 | 4.8 | 3.3 | 9.26 | 780 | 1.13 | 0.01 | 5.8 | 11.7 | 110 | 236 |
| W844258 | | 2.05 | <0.05 | 0.4 | 0.007 | 0.14 | 3.6 | 5.4 | 8.10 | 484 | 1.56 | 0.01 | 6.4 | 13.2 | 50 | 30.3 |
| W844259 | | 1.91 | <0.05 | 0.4 | 0.005 | 0.24 | 2.5 | 4.2 | 8.07 | 296 | 1.98 | 0.01 | 4.2 | 11.6 | 30 | 7.7 |
| W844260 | | 2.03 | 0.05 | 0.4 | 0.011 | 0.39 | 3.0 | 4.7 | 9.73 | 284 | 1.75 | 0.01 | 4.7 | 12.2 | 60 | 7.1 |
| W844261 | | 2.55 | 0.06 | 0.5 | 0.006 | 0.30 | 4.1 | 8.4 | 9.97 | 341 | 1.52 | 0.01 | 5.6 | 13.7 | 40 | 7.6 |
| W844262 | | 4.56 | 0.06 | 0.7 | 0.005 | 1.03 | 6.5 | 13.9 | 11.15 | 251 | 0.98 | 0.02 | 8.1 | 21.4 | 40 | 6.4 |
| W844263 | | 3.61 | 0.08 | 0.6 | 0.009 | 0.78 | 7.6 | 10.2 | 11.55 | 261 | 0.83 | 0.02 | 6.7 | 13.9 | 60 | 5.3 |
| W844264 | | 3.01 | 0.09 | 0.5 | <0.005 | 0.40 | 6.1 | 6.2 | 11.00 | 401 | 1.36 | 0.01 | 6.2 | 12.8 | 60 | 14.3 |
| W844265 | | 4.70 | 0.13 | 0.7 | 0.011 | 0.31 | 8.1 | 11.1 | 10.15 | 527 | 1.39 | 0.01 | 9.3 | 20.6 | 90 | 12.6 |
| W844266 | | 3.53 | 0.09 | 0.7 | <0.005 | 0.80 | 8.8 | 8.1 | 11.00 | 398 | 1.46 | 0.01 | 11.3 | 10.5 | 90 | 11.4 |
| W844267 | | 4.91 | 0.10 | 0.9 | <0.005 | 1.18 | 11.5 | 12.7 | 10.40 | 373 | 1.55 | 0.03 | 13.9 | 12.6 | 90 | 10.2 |
| W844268 | | 7.16 | 0.09 | 1.1 | 0.006 | 2.01 | 17.2 | 19.0 | 10.45 | 381 | 1.22 | 0.04 | 18.9 | 15.1 | 170 | 8.3 |
| W844269 | | 9.23 | 0.09 | 1.2 | 0.008 | 2.59 | 24.2 | 22.5 | 9.45 | 369 | 1.31 | 0.04 | 25.1 | 21.5 | 280 | 17.6 |
| W844270 | | 0.97 | 0.12 | 0.1 | <0.005 | 0.14 | 2.9 | 2.5 | 13.30 | 539 | 0.77 | 0.01 | 0.8 | 3.0 | 10 | 1.3 |
| W844271 | | 0.85 | 0.12 | 0.1 | <0.005 | 0.16 | 2.8 | 1.9 | 11.95 | 441 | 1.56 | 0.01 | 0.5 | 4.4 | 20 | 1.6 |
| W844272 | | 0.88 | 0.18 | 0.1 | <0.005 | 0.14 | 3.4 | 2.1 | 11.85 | 434 | 1.10 | 0.01 | 0.5 | 4.0 | 20 | 0.8 |
| W844273 | | 1.78 | 0.17 | 0.2 | <0.005 | 0.25 | 2.8 | 2.5 | 12.45 | 520 | 3.19 | 0.02 | 1.2 | 6.0 | 20 | 0.8 |
| W844274 | | 2.13 | 0.20 | 0.2 | 0.005 | 0.48 | 3.5 | 3.5 | 12.75 | 521 | 4.15 | 0.02 | 1.3 | 7.0 | 20 | 0.9 |
| W844275 | | 1.96 | 0.15 | 0.3 | <0.005 | 0.53 | 4.0 | 4.7 | 12.60 | 446 | 1.22 | 0.02 | 1.4 | 6.0 | 30 | 1.3 |
| W844276 | | 1.23 | 0.09 | 0.1 | 0.007 | 0.25 | 2.7 | 2.6 | 9.05 | 415 | 0.72 | 0.01 | 0.5 | 7.2 | 20 | 1.2 |
| W844277 | | 3.20 | 0.11 | 0.4 | <0.005 | 0.52 | 3.9 | 4.2 | 11.90 | 569 | 2.33 | 0.04 | 2.0 | 9.3 | 40 | 0.7 |
| W844278 | | 1.95 | 0.14 | 0.1 | 0.006 | 0.21 | 2.7 | 2.3 | 12.30 | 722 | 2.65 | 0.02 | 0.7 | 8.2 | 30 | 1.1 |
| W844279 | | 2.50 | 0.14 | 0.2 | 0.005 | 0.31 | 2.9 | 3.1 | 12.60 | 730 | 2.05 | 0.02 | 0.7 | 10.1 | 30 | 1.6 |
| W844280 | | 1.68 | 0.22 | 0.1 | 0.006 | 0.26 | 2.8 | 3.0 | 13.15 | 831 | 1.72 | 0.01 | 0.5 | 5.9 | 20 | 1.5 |
| W844281 | | 1.88 | 0.25 | 0.1 | 0.007 | 0.27 | 2.6 | 2.9 | 12.80 | 772 | 1.86 | 0.01 | 0.6 | 4.9 | 30 | 1.5 |
| W844282 | | 1.30 | 0.10 | 0.1 | 0.009 | 0.25 | 3.1 | 3.2 | 12.70 | 752 | 1.79 | 0.01 | 0.4 | 4.0 | 20 | 1.4 |
| W844283 | | 2.04 | <0.05 | 0.1 | 0.009 | 0.31 | 2.8 | 3.5 | 12.55 | 989 | 3.27 | 0.01 | 0.4 | 8.3 | 30 | 2.8 |
| W844284 | | 2.16 | <0.05 | 0.1 | 0.014 | 0.31 | 3.1 | 3.7 | 11.75 | 962 | 2.83 | 0.01 | 0.3 | 9.5 | 30 | 2.2 |
| W844285 | | 2.16 | <0.05 | 0.1 | 0.007 | 0.32 | 2.8 | 3.8 | 12.50 | 818 | 2.29 | 0.01 | 0.4 | 8.6 | 40 | 3.5 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844246 | | 13.1 | <0.002 | 0.03 | 0.32 | 1.3 | <1 | 0.5 | 78.8 | 0.11 | 0.14 | 0.50 | 0.035 | 0.21 | 0.3 | 9 |
| W844247 | | 26.5 | <0.002 | 0.02 | 1.77 | 1.2 | <1 | 0.6 | 73.6 | 0.09 | 0.15 | 0.54 | 0.035 | 1.87 | 0.6 | 6 |
| W844248 | | 84.1 | <0.002 | 0.03 | 0.26 | 2.3 | 1 | 0.6 | 69.8 | 0.20 | 0.17 | 0.86 | 0.082 | 0.90 | 0.6 | 10 |
| W844249 | | 35.6 | <0.002 | 0.09 | 0.38 | 2.3 | <1 | 0.7 | 69.6 | 0.20 | 0.42 | 0.88 | 0.081 | 0.47 | 0.6 | 10 |
| W844250 | | 25.6 | <0.002 | 0.06 | 0.64 | 2.5 | 1 | 0.7 | 59.3 | 0.25 | 0.54 | 0.97 | 0.097 | 0.47 | 0.8 | 12 |
| W844251 | | 26.5 | <0.002 | 0.06 | 1.48 | 2.4 | <1 | 0.7 | 65.7 | 0.22 | 0.12 | 0.87 | 0.085 | 0.51 | 0.7 | 11 |
| W844252 | | 25.6 | <0.002 | 0.07 | 3.71 | 2.1 | <1 | 0.7 | 63.0 | 0.21 | 0.10 | 0.83 | 0.086 | 0.69 | 0.8 | 11 |
| W844253 | | 21.4 | <0.002 | 0.06 | 0.88 | 2.5 | 1 | 0.7 | 65.8 | 0.22 | <0.05 | 0.82 | 0.084 | 0.49 | 0.9 | 11 |
| W844254 | | 23.5 | <0.002 | 0.10 | 1.38 | 3.7 | 1 | 0.9 | 55.4 | 0.29 | 0.43 | 1.57 | 0.141 | 0.45 | 1.0 | 18 |
| W844255 | | 31.4 | <0.002 | 0.68 | 1.75 | 2.6 | <1 | 0.7 | 80.5 | 0.19 | 0.36 | 0.78 | 0.087 | 0.58 | 0.6 | 12 |
| W844256 | | 48.4 | <0.002 | 0.15 | 4.39 | 4.1 | 1 | 1.0 | 70.0 | 0.31 | 0.10 | 1.30 | 0.164 | 4.71 | 1.1 | 25 |
| W844257 | | 24.0 | <0.002 | 0.17 | 4.11 | 3.6 | 1 | 0.9 | 55.5 | 0.26 | 0.28 | 1.05 | 0.137 | 1.36 | 1.1 | 22 |
| W844258 | | 11.6 | <0.002 | 0.04 | 4.43 | 3.3 | 1 | 0.7 | 33.9 | 0.30 | 0.16 | 1.01 | 0.157 | 1.32 | 1.1 | 19 |
| W844259 | | 20.0 | <0.002 | 0.08 | 1.23 | 2.4 | 1 | 0.5 | 34.5 | 0.21 | 0.12 | 0.80 | 0.104 | 0.49 | 1.0 | 13 |
| W844260 | | 25.9 | <0.002 | 0.37 | 1.17 | 2.5 | 1 | 0.5 | 45.4 | 0.24 | 0.05 | 0.81 | 0.112 | 0.46 | 0.8 | 15 |
| W844261 | | 15.4 | <0.002 | 0.60 | 1.27 | 3.2 | 1 | 0.5 | 46.4 | 0.31 | <0.05 | 0.93 | 0.135 | 0.54 | 0.9 | 16 |
| W844262 | | 39.6 | <0.002 | 1.69 | 1.36 | 5.4 | 1 | 0.8 | 47.4 | 0.44 | <0.05 | 1.18 | 0.218 | 0.77 | 0.6 | 33 |
| W844263 | | 28.9 | <0.002 | 1.37 | 0.86 | 3.9 | 1 | 0.6 | 58.9 | 0.37 | <0.05 | 1.17 | 0.154 | 0.53 | 0.5 | 25 |
| W844264 | | 22.8 | <0.002 | 0.85 | 0.85 | 3.1 | 1 | 0.6 | 57.6 | 0.36 | 0.27 | 1.13 | 0.122 | 0.39 | 0.7 | 19 |
| W844265 | | 25.1 | <0.002 | 0.44 | 6.58 | 4.0 | 1 | 0.7 | 57.5 | 0.56 | 0.15 | 1.62 | 0.177 | 0.96 | 0.8 | 27 |
| W844266 | | 60.5 | <0.002 | 1.17 | 0.93 | 2.8 | <1 | 0.7 | 60.2 | 0.63 | <0.05 | 1.85 | 0.186 | 0.85 | 0.7 | 20 |
| W844267 | | 76.6 | <0.002 | 2.04 | 0.99 | 3.8 | 1 | 0.8 | 59.4 | 0.75 | <0.05 | 2.42 | 0.217 | 1.22 | 0.7 | 29 |
| W844268 | | 149.0 | <0.002 | 2.56 | 0.91 | 5.2 | <1 | 1.0 | 59.9 | 1.08 | 0.05 | 3.35 | 0.305 | 2.06 | 0.7 | 42 |
| W844269 | | 245 | <0.002 | 3.39 | 1.29 | 6.7 | 1 | 1.5 | 52.3 | 1.43 | 0.08 | 4.55 | 0.402 | 2.63 | 0.8 | 54 |
| W844270 | | 28.4 | <0.002 | 0.04 | 0.18 | 0.8 | <1 | 0.2 | 76.3 | 0.05 | 0.08 | 0.35 | 0.019 | 0.18 | 0.3 | 8 |
| W844271 | | 33.3 | <0.002 | 0.01 | 0.46 | 0.6 | 1 | 0.2 | 69.1 | <0.05 | 0.07 | 0.32 | 0.015 | 0.22 | 0.5 | 8 |
| W844272 | | 33.0 | <0.002 | <0.01 | 0.06 | 0.6 | 1 | 0.2 | 68.2 | <0.05 | <0.05 | 0.36 | 0.013 | 0.18 | 0.5 | 8 |
| W844273 | | 58.0 | <0.002 | 0.01 | 0.09 | 0.9 | <1 | 0.4 | 72.0 | 0.08 | 0.26 | 0.62 | 0.033 | 0.37 | 0.7 | 8 |
| W844274 | | 91.4 | <0.002 | <0.01 | 0.11 | 1.3 | 1 | 0.4 | 69.7 | 0.08 | 0.35 | 0.94 | 0.040 | 0.57 | 0.7 | 14 |
| W844275 | | 87.3 | <0.002 | 0.11 | 0.09 | 1.4 | 1 | 0.4 | 75.6 | 0.09 | 0.11 | 0.84 | 0.044 | 0.61 | 0.4 | 12 |
| W844276 | | 53.3 | <0.002 | 1.29 | 0.10 | 0.9 | 1 | 0.2 | 153.5 | <0.05 | 0.13 | 0.35 | 0.020 | 0.31 | 0.4 | 8 |
| W844277 | | 113.5 | <0.002 | 0.17 | 0.09 | 2.0 | 1 | 0.8 | 76.2 | 0.12 | 0.63 | 1.33 | 0.064 | 0.69 | 0.7 | 15 |
| W844278 | | 47.3 | <0.002 | 0.16 | 0.14 | 1.1 | 1 | 0.4 | 77.4 | <0.05 | 0.10 | 0.50 | 0.026 | 0.28 | 0.7 | 11 |
| W844279 | | 79.3 | <0.002 | 0.06 | 0.20 | 1.5 | 1 | 0.4 | 76.8 | <0.05 | 0.07 | 0.52 | 0.030 | 0.44 | 0.6 | 15 |
| W844280 | | 64.5 | <0.002 | 0.01 | 0.27 | 0.8 | <1 | 0.2 | 78.3 | <0.05 | <0.05 | 0.37 | 0.019 | 0.33 | 0.3 | 12 |
| W844281 | | 63.8 | <0.002 | 0.01 | 0.44 | 0.9 | <1 | 0.2 | 76.8 | <0.05 | <0.05 | 0.40 | 0.023 | 0.35 | 0.4 | 14 |
| W844282 | | 55.1 | <0.002 | 0.01 | 0.27 | 0.7 | <1 | 0.2 | 75.3 | <0.05 | <0.05 | 0.34 | 0.018 | 0.32 | 0.3 | 11 |
| W844283 | | 72.8 | 0.003 | 0.04 | 0.23 | 0.8 | 1 | 0.4 | 62.1 | <0.05 | 0.35 | 0.33 | 0.019 | 0.42 | 0.7 | 11 |
| W844284 | | 72.4 | <0.002 | 0.03 | 0.17 | 1.0 | 1 | 0.4 | 67.0 | <0.05 | 0.14 | 0.38 | 0.019 | 0.40 | 0.5 | 12 |
| W844285 | | 79.7 | <0.002 | 0.03 | 0.18 | 1.0 | 1 | 0.3 | 73.7 | <0.05 | 0.13 | 0.30 | 0.023 | 0.43 | 0.5 | 14 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method Analyte Units LOD | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 | Au-AA24 Au ppm 0.005 |
|---|---|---|---|---|---|---|
| W844246 | | 2.1 | 5.0 | 94 | 7.5 | <0.005 |
| W844247 | | 3.2 | 5.1 | 273 | 8.3 | <0.005 |
| W844248 | | 1.1 | 6.3 | 32 | 16.2 | 0.005 |
| W844249 | | 1.2 | 7.8 | 28 | 16.8 | 0.005 |
| W844250 | | 1.4 | 7.9 | 186 | 18.8 | 0.005 |
| W844251 | | 4.2 | 6.5 | 501 | 16.1 | <0.005 |
| W844252 | | 7.3 | 6.1 | 774 | 16.4 | 0.006 |
| W844253 | | 2.1 | 6.3 | 230 | 16.0 | <0.005 |
| W844254 | | 2.8 | 6.6 | 342 | 21.2 | 0.006 |
| W844255 | | 4.2 | 6.5 | 916 | 14.2 | 0.007 |
| W844256 | | 10.2 | 6.9 | 1910 | 22.4 | 0.006 |
| W844257 | | 10.9 | 7.3 | 939 | 18.6 | 0.005 |
| W844258 | | 13.0 | 5.1 | 631 | 18.9 | 0.005 |
| W844259 | | 4.0 | 3.1 | 208 | 14.0 | <0.005 |
| W844260 | | 2.6 | 4.1 | 55 | 16.8 | 0.005 |
| W844261 | | 5.3 | 4.2 | 132 | 19.9 | 0.005 |
| W844262 | | 1.1 | 5.0 | 43 | 27.8 | 0.006 |
| W844263 | | 0.8 | 5.9 | 29 | 24.8 | 0.007 |
| W844264 | | 4.6 | 5.6 | 157 | 21.2 | 0.005 |
| W844265 | | 23.3 | 7.0 | 330 | 27.5 | 0.005 |
| W844266 | | 3.9 | 6.3 | 78 | 31.3 | 0.006 |
| W844267 | | 2.7 | 7.6 | 55 | 40.4 | <0.005 |
| W844268 | | 1.9 | 9.8 | 49 | 42.6 | <0.005 |
| W844269 | | 3.0 | 10.5 | 103 | 49.4 | <0.005 |
| W844270 | | 0.9 | 4.0 | 9 | 4.0 | 0.005 |
| W844271 | | 2.5 | 3.9 | 15 | 3.3 | <0.005 |
| W844272 | | 0.6 | 4.2 | 11 | 3.2 | <0.005 |
| W844273 | | 7.0 | 3.6 | 12 | 7.5 | <0.005 |
| W844274 | | 1.6 | 4.5 | 14 | 8.9 | 0.005 |
| W844275 | | 6.4 | 4.3 | 15 | 9.4 | 0.005 |
| W844276 | | 0.8 | 4.1 | 12 | 4.0 | <0.005 |
| W844277 | | 1.3 | 4.6 | 15 | 14.6 | 0.007 |
| W844278 | | 1.1 | 4.3 | 13 | 5.1 | 0.005 |
| W844279 | | 1.3 | 4.7 | 14 | 5.6 | <0.005 |
| W844280 | | 1.0 | 4.4 | 16 | 3.4 | 0.006 |
| W844281 | | 1.0 | 4.3 | 13 | 3.9 | <0.005 |
| W844282 | | 1.0 | 4.5 | 13 | 2.8 | <0.005 |
| W844283 | | 367 | 5.4 | 18 | 3.2 | <0.005 |
| W844284 | | 14.6 | 5.9 | 23 | 3.5 | <0.005 |
| W844285 | | 7.0 | 5.2 | 20 | 3.8 | <0.005 |

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844286 | | 2.67 | 0.04 | 0.54 | 0.8 | 20 | 0.36 | 8.01 | 23.8 | 0.06 | 5.08 | 1.8 | 11 | 6.46 | 41.4 | 1.04 |
| W844287 | | 2.73 | 0.02 | 0.34 | 2.8 | 20 | 0.30 | 4.21 | 24.7 | 0.07 | 5.31 | 1.8 | 8 | 4.07 | 30.6 | 1.08 |
| W844288 | | 2.43 | 0.16 | 0.59 | 57.9 | 50 | 0.42 | 30.8 | 23.9 | 0.19 | 5.80 | 19.3 | 13 | 4.10 | 282 | 3.38 |
| W844289 | | 2.98 | 0.06 | 0.51 | 16.9 | 40 | 0.26 | 10.40 | 23.8 | 0.19 | 4.61 | 7.4 | 12 | 3.89 | 82.4 | 1.55 |
| W844290 | | 2.53 | 0.06 | 0.52 | 6.4 | 30 | 0.28 | 9.82 | 23.3 | 0.13 | 4.90 | 4.4 | 11 | 5.84 | 57.8 | 1.25 |
| W844291 | | 2.35 | 0.05 | 0.48 | 6.6 | 30 | 0.29 | 9.00 | 23.0 | 0.12 | 5.07 | 4.3 | 9 | 5.46 | 58.2 | 1.18 |
| W844292 | | 2.92 | 0.04 | 0.76 | 5.3 | 170 | 0.23 | 3.99 | 22.9 | 0.06 | 5.75 | 4.3 | 12 | 5.74 | 28.9 | 1.15 |
| W844293 | | 2.67 | 0.14 | 7.15 | 34.1 | 1740 | 0.42 | 1.95 | 6.33 | 0.07 | 21.2 | 37.5 | 95 | 24.5 | 125.0 | 6.68 |
| W844294 | | 2.69 | 0.03 | 0.44 | 3.4 | 80 | 0.17 | 0.90 | 22.6 | 0.07 | 4.55 | 4.0 | 7 | 1.82 | 31.4 | 0.79 |
| W844295 | | 2.53 | 0.04 | 0.23 | 4.2 | 50 | 0.16 | 0.94 | 22.7 | 0.09 | 3.70 | 2.0 | 7 | 0.85 | 20.0 | 0.55 |
| W844296 | | 2.80 | 0.03 | 0.18 | 3.7 | 30 | 0.16 | 1.32 | 23.4 | 0.04 | 4.30 | 1.3 | 6 | 1.22 | 14.3 | 0.50 |
| W844297 | | 2.69 | 0.03 | 0.14 | 2.8 | 30 | 0.15 | 0.84 | 24.8 | 0.15 | 4.48 | 1.1 | 6 | 0.56 | 10.1 | 0.36 |
| W844298 | | 2.84 | 0.03 | 0.13 | 2.2 | 30 | 0.13 | 0.49 | 17.90 | 0.08 | 4.16 | 1.2 | 6 | 0.87 | 9.1 | 0.44 |
| W844299 | | 3.77 | 0.38 | 0.15 | 3.9 | 30 | 0.16 | 6.05 | 24.4 | 0.45 | 4.42 | 1.8 | 9 | 0.85 | 21.3 | 0.58 |
| W844300 | | 3.05 | 0.14 | 0.16 | 2.8 | 10 | 0.24 | 10.50 | 24.6 | 0.30 | 4.74 | 4.8 | 5 | 1.06 | 38.6 | 0.85 |
| W844301 | | 2.61 | 0.05 | 0.60 | 1.5 | 20 | 0.32 | 3.81 | 23.6 | 0.22 | 4.40 | 2.2 | 11 | 4.63 | 28.0 | 0.76 |
| W844302 | | 2.66 | 0.06 | 0.22 | 1.3 | 20 | 0.19 | 1.35 | 24.0 | 1.16 | 3.73 | 5.0 | 5 | 0.92 | 33.1 | 0.69 |
| W844303 | | 2.94 | 0.04 | 0.27 | 2.0 | 20 | 0.16 | 2.14 | 23.7 | 0.17 | 3.92 | 3.0 | 6 | 1.04 | 24.3 | 0.75 |
| W844304 | | 2.63 | 0.10 | 0.76 | 6.1 | 20 | 0.34 | 10.50 | 24.0 | 0.28 | 5.14 | 16.0 | 18 | 2.21 | 198.5 | 2.21 |
| W844305 | | 2.59 | 0.37 | 1.25 | 6.4 | 50 | 0.49 | 34.7 | 21.1 | 0.69 | 5.17 | 26.3 | 35 | 7.41 | 549 | 4.96 |
| W844306 | | 2.65 | 0.09 | 2.13 | 8.0 | 370 | 0.29 | 5.51 | 18.65 | 0.08 | 8.10 | 19.6 | 59 | 19.85 | 76.1 | 2.53 |
| W844307 | | 2.56 | 0.07 | 4.90 | 12.9 | 660 | 0.36 | 2.66 | 14.00 | 0.05 | 17.00 | 37.2 | 156 | 36.3 | 68.8 | 4.77 |
| W844308 | | 2.50 | 0.07 | 6.54 | 5.5 | 240 | 0.66 | 3.52 | 7.34 | 0.05 | 23.5 | 42.6 | 190 | 26.7 | 151.0 | 7.61 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844286 | | 2.79 | 0.07 | 0.2 | 0.007 | 0.53 | 3.0 | 4.6 | 12.80 | 705 | 4.17 | 0.01 | 0.8 | 11.3 | 50 | 1.2 |
| W844287 | | 2.00 | 0.09 | 0.1 | 0.012 | 0.32 | 3.0 | 3.9 | 12.10 | 777 | 4.72 | 0.01 | 0.5 | 8.4 | 30 | 1.5 |
| W844288 | | 3.07 | <0.05 | 0.2 | 0.006 | 0.28 | 3.4 | 3.9 | 10.80 | 1340 | 5.69 | 0.01 | 0.7 | 55.8 | 40 | 4.9 |
| W844289 | | 2.14 | 0.06 | 0.2 | 0.007 | 0.30 | 2.8 | 3.4 | 11.05 | 834 | 3.46 | 0.01 | 0.7 | 24.2 | 50 | 6.9 |
| W844290 | | 2.16 | 0.09 | 0.2 | 0.007 | 0.44 | 3.0 | 3.8 | 12.05 | 698 | 4.64 | 0.01 | 0.7 | 23.1 | 50 | 2.3 |
| W844291 | | 2.13 | 0.09 | 0.2 | 0.006 | 0.42 | 3.1 | 3.8 | 11.85 | 725 | 3.89 | 0.01 | 0.6 | 21.2 | 50 | 2.3 |
| W844292 | | 2.16 | 0.11 | 0.3 | 0.005 | 0.54 | 3.7 | 4.3 | 12.15 | 657 | 1.11 | 0.01 | 1.1 | 13.7 | 50 | 1.4 |
| W844293 | | 11.40 | 0.10 | 3.2 | 0.035 | 4.32 | 10.0 | 25.1 | 5.28 | 489 | 1.02 | 0.07 | 7.1 | 99.6 | 640 | 4.6 |
| W844294 | | 1.24 | 0.11 | 0.2 | <0.005 | 0.25 | 2.8 | 3.2 | 12.15 | 506 | 0.60 | 0.01 | 0.6 | 9.1 | 40 | 1.8 |
| W844295 | | 0.87 | 0.21 | 0.1 | <0.005 | 0.13 | 2.7 | 3.1 | 12.35 | 452 | 0.85 | 0.01 | 0.3 | 6.1 | 30 | 4.9 |
| W844296 | | 0.74 | 0.22 | 0.1 | 0.009 | 0.12 | 3.4 | 2.7 | 12.30 | 506 | 0.61 | 0.01 | 0.3 | 4.7 | 20 | 1.9 |
| W844297 | | 0.57 | 0.23 | 0.1 | 0.012 | 0.07 | 3.5 | 2.8 | 12.45 | 445 | 0.53 | 0.01 | 0.2 | 3.4 | 20 | 2.9 |
| W844298 | | 0.70 | 0.18 | <0.1 | 0.005 | 0.07 | 3.3 | 2.4 | 9.86 | 439 | 0.93 | 0.01 | 0.2 | 4.6 | 20 | 3.0 |
| W844299 | | 0.78 | 0.21 | 0.1 | 0.012 | 0.08 | 2.8 | 3.0 | 11.75 | 741 | 1.44 | 0.01 | 0.3 | 5.1 | 20 | 36.6 |
| W844300 | | 1.15 | 0.15 | 0.1 | 0.007 | 0.10 | 3.0 | 2.8 | 12.10 | 777 | 0.90 | 0.01 | 0.3 | 5.2 | 20 | 19.5 |
| W844301 | | 3.70 | 0.19 | 0.2 | 0.008 | 0.42 | 2.6 | 5.3 | 13.35 | 757 | 1.17 | 0.02 | 0.8 | 13.7 | 50 | 8.4 |
| W844302 | | 1.35 | 0.21 | 0.1 | 0.020 | 0.11 | 2.3 | 3.1 | 13.00 | 843 | 0.80 | 0.01 | 0.3 | 6.4 | 30 | 14.3 |
| W844303 | | 1.62 | 0.21 | 0.1 | 0.007 | 0.13 | 2.3 | 2.9 | 12.20 | 871 | 1.09 | 0.01 | 0.4 | 7.1 | 30 | 3.7 |
| W844304 | | 5.45 | 0.11 | 0.2 | 0.007 | 0.21 | 2.6 | 5.5 | 12.10 | 1260 | 1.53 | 0.01 | 0.8 | 23.0 | 70 | 2.4 |
| W844305 | | 6.73 | 0.05 | 0.4 | 0.017 | 0.62 | 2.8 | 6.6 | 10.25 | 898 | 1.62 | 0.01 | 1.1 | 57.3 | 130 | 5.8 |
| W844306 | | 5.86 | 0.06 | 0.6 | 0.014 | 1.68 | 4.2 | 13.3 | 11.25 | 767 | 1.08 | 0.03 | 1.8 | 62.7 | 190 | 2.4 |
| W844307 | | 12.95 | 0.06 | 1.2 | 0.018 | 4.00 | 7.4 | 33.8 | 8.54 | 498 | 0.68 | 0.05 | 4.3 | 167.0 | 420 | 2.0 |
| W844308 | | 17.35 | 0.10 | 0.9 | 0.039 | 4.46 | 10.3 | 40.0 | 5.20 | 437 | 1.02 | 0.09 | 7.0 | 206 | 510 | 2.6 |

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

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


**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844286 | | 122.5 | 0.006 | 0.07 | 0.09 | 1.4 | <1 | 0.4 | 72.3 | 0.05 | 0.10 | 0.51 | 0.044 | 0.69 | 1.7 | 18 |
| W844287 | | 69.5 | 0.004 | 0.01 | 0.92 | 0.8 | 1 | 0.2 | 74.5 | <0.05 | 0.05 | 0.43 | 0.023 | 0.50 | 0.7 | 19 |
| W844288 | | 59.5 | 0.004 | 0.02 | 17.95 | 1.3 | 1 | 0.4 | 60.7 | <0.05 | 0.27 | 0.49 | 0.037 | 36.4 | 2.7 | 22 |
| W844289 | | 56.9 | 0.004 | 0.01 | 3.98 | 1.4 | <1 | 0.4 | 68.4 | <0.05 | 0.19 | 0.43 | 0.037 | 4.22 | 0.9 | 22 |
| W844290 | | 82.6 | 0.014 | 0.04 | 1.36 | 1.2 | <1 | 0.3 | 70.1 | <0.05 | 0.22 | 0.41 | 0.035 | 2.04 | 1.2 | 25 |
| W844291 | | 86.5 | 0.009 | 0.03 | 1.55 | 1.2 | 1 | 0.3 | 70.9 | <0.05 | 0.11 | 0.41 | 0.032 | 2.28 | 1.1 | 25 |
| W844292 | | 79.4 | 0.003 | 0.09 | 0.45 | 1.9 | 1 | 0.4 | 74.4 | 0.06 | 0.18 | 0.48 | 0.065 | 0.80 | 1.1 | 23 |
| W844293 | | 224 | <0.002 | 0.76 | 1.22 | 19.4 | 2 | 2.4 | 33.4 | 0.38 | <0.05 | 2.65 | 0.653 | 2.90 | 4.2 | 111 |
| W844294 | | 28.6 | <0.002 | 0.10 | 0.42 | 1.2 | <1 | 0.2 | 66.0 | <0.05 | <0.05 | 0.37 | 0.037 | 0.44 | 0.5 | 12 |
| W844295 | | 15.9 | <0.002 | 0.06 | 0.42 | 0.7 | 1 | 0.2 | 60.0 | <0.05 | <0.05 | 0.29 | 0.018 | 0.36 | 0.4 | 20 |
| W844296 | | 19.5 | <0.002 | 0.07 | 0.26 | 0.6 | <1 | 0.2 | 67.6 | <0.05 | 0.05 | 0.31 | 0.013 | 0.24 | 0.4 | 22 |
| W844297 | | 10.1 | <0.002 | 0.04 | 0.23 | 0.8 | 1 | 0.2 | 80.0 | <0.05 | <0.05 | 0.30 | 0.010 | 0.18 | 0.3 | 16 |
| W844298 | | 11.8 | <0.002 | 0.02 | 0.21 | 0.5 | 1 | 0.2 | 51.2 | <0.05 | <0.05 | 0.24 | 0.010 | 0.19 | 0.2 | 13 |
| W844299 | | 13.1 | 0.002 | 0.02 | 0.67 | 0.7 | 1 | 0.2 | 80.3 | <0.05 | 0.05 | 0.28 | 0.013 | 0.25 | 0.3 | 12 |
| W844300 | | 21.4 | <0.002 | 0.09 | 0.46 | 0.7 | 1 | 0.2 | 78.4 | <0.05 | <0.05 | 0.30 | 0.013 | 0.19 | 0.3 | 10 |
| W844301 | | 103.5 | 0.003 | 0.03 | 0.33 | 1.5 | 1 | 0.5 | 69.7 | 0.05 | <0.05 | 0.78 | 0.037 | 0.64 | 0.5 | 18 |
| W844302 | | 21.8 | <0.002 | 0.03 | 0.32 | 0.6 | 1 | 0.2 | 77.1 | <0.05 | <0.05 | 0.26 | 0.014 | 0.55 | 0.2 | 10 |
| W844303 | | 26.5 | 0.003 | 0.02 | 0.44 | 0.8 | <1 | 0.3 | 77.1 | <0.05 | <0.05 | 0.32 | 0.017 | 0.62 | 0.3 | 12 |
| W844304 | | 47.4 | <0.002 | 0.08 | 3.40 | 2.3 | <1 | 0.6 | 66.5 | <0.05 | 0.15 | 0.48 | 0.049 | 3.39 | 0.6 | 23 |
| W844305 | | 133.0 | 0.002 | 0.19 | 4.30 | 4.0 | 1 | 1.0 | 37.1 | 0.05 | 0.27 | 0.49 | 0.076 | 2.91 | 0.8 | 44 |
| W844306 | | 179.5 | 0.002 | 1.13 | 0.52 | 6.7 | 1 | 0.8 | 52.2 | 0.09 | <0.05 | 0.60 | 0.124 | 1.86 | 0.8 | 69 |
| W844307 | | 209 | <0.002 | 4.06 | 0.21 | 16.7 | 1 | 1.1 | 46.0 | 0.23 | <0.05 | 1.18 | 0.299 | 2.29 | 1.0 | 154 |
| W844308 | | 208 | <0.002 | 6.17 | 0.25 | 22.0 | <1 | 2.2 | 32.1 | 0.37 | <0.05 | 1.51 | 0.456 | 1.82 | 0.6 | 167 |

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

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**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218087

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844286 | | 2.6 | 5.1 | 18 | 6.9 | <0.005 |
| W844287 | | 2.7 | 5.5 | 23 | 4.3 | <0.005 |
| W844288 | | 7.5 | 6.3 | 1100 | 7.4 | <0.005 |
| W844289 | | 6.4 | 5.9 | 261 | 6.8 | <0.005 |
| W844290 | | 2.6 | 5.5 | 85 | 6.4 | <0.005 |
| W844291 | | 2.4 | 5.4 | 96 | 6.1 | <0.005 |
| W844292 | | 1.9 | 4.5 | 34 | 9.6 | 0.008 |
| W844293 | | 7.9 | 16.1 | 48 | 100.5 | <0.005 |
| W844294 | | 5.6 | 3.7 | 29 | 6.1 | 0.008 |
| W844295 | | 2.3 | 3.9 | 36 | 3.1 | 0.005 |
| W844296 | | 0.9 | 4.4 | 20 | 2.4 | 0.006 |
| W844297 | | 0.9 | 5.5 | 30 | 1.9 | 0.007 |
| W844298 | | 3.3 | 4.9 | 28 | 2.0 | 0.005 |
| W844299 | | 5.1 | 5.9 | 112 | 2.2 | 0.005 |
| W844300 | | 2.6 | 5.8 | 68 | 2.5 | 0.005 |
| W844301 | | 1.7 | 4.6 | 44 | 8.2 | <0.005 |
| W844302 | | 3.0 | 3.4 | 125 | 2.7 | <0.005 |
| W844303 | | 3.4 | 3.5 | 50 | 3.6 | <0.005 |
| W844304 | | 14.4 | 5.4 | 95 | 8.2 | <0.005 |
| W844305 | | 11.8 | 6.2 | 139 | 13.2 | <0.005 |
| W844306 | | 3.0 | 7.2 | 39 | 19.1 | <0.005 |
| W844307 | | 1.0 | 13.1 | 37 | 43.6 | <0.005 |
| W844308 | | 2.4 | 13.5 | 44 | 29.2 | <0.005 |

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 8-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218087

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 2-JAN-2021**
**Account: RCM**

# CERTIFICATE WH20227736

Project: Rau

P.O. No.: R20-B10

This report is for 81 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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Project: Rau


**Finalized Date: 2-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844309 | | 2.91 | 0.06 | 5.07 | 3.7 | 90 | 0.60 | 1.01 | 8.77 | 0.05 | 20.6 | 31.0 | 133 | 21.0 | 70.0 | 8.07 |
| W844310 | | 2.77 | 0.07 | 6.16 | 2.4 | 510 | 0.64 | 1.54 | 7.97 | 0.05 | 21.7 | 24.6 | 165 | 23.6 | 155.0 | 5.55 |
| W844311 | | 2.65 | 0.05 | 5.78 | 1.5 | 340 | 0.54 | 2.56 | 8.66 | 0.04 | 23.3 | 31.0 | 154 | 24.6 | 85.2 | 7.13 |
| W844312 | | 2.90 | 0.04 | 6.77 | 0.7 | 610 | 0.44 | 0.71 | 6.86 | 0.06 | 22.2 | 42.5 | 203 | 19.60 | 67.3 | 7.03 |
| W844313 | | 3.18 | 0.05 | 6.77 | 0.7 | 540 | 0.48 | 0.79 | 6.85 | 0.07 | 24.5 | 47.7 | 200 | 23.0 | 63.2 | 7.97 |
| W844314 | | 2.69 | 0.05 | 6.60 | 0.8 | 510 | 0.47 | 1.00 | 6.90 | 0.06 | 26.0 | 44.4 | 187 | 25.9 | 87.0 | 7.19 |
| W844315 | | 2.82 | 0.05 | 6.74 | 3.6 | 200 | 0.48 | 3.60 | 7.73 | 0.05 | 23.6 | 43.8 | 175 | 33.6 | 83.2 | 6.34 |
| W844316 | | 2.67 | 0.07 | 5.94 | 8.1 | 610 | 0.46 | 3.80 | 8.36 | 0.25 | 19.40 | 23.8 | 169 | 16.20 | 139.0 | 6.50 |
| W844317 | | 2.77 | 0.05 | 1.06 | 4.1 | 90 | 0.25 | 3.70 | 21.7 | 0.16 | 6.50 | 5.3 | 16 | 6.29 | 47.2 | 1.15 |
| W844318 | | 2.56 | 0.05 | 0.84 | 2.7 | 80 | 0.22 | 1.37 | 20.3 | 0.06 | 3.18 | 4.8 | 15 | 4.24 | 45.9 | 1.19 |
| W844319 | | 2.86 | 0.09 | 0.94 | 6.1 | 140 | 0.28 | 0.93 | 22.2 | 0.13 | 3.72 | 6.8 | 19 | 3.42 | 13.2 | 0.93 |
| W844320 | | 2.52 | 0.23 | 1.02 | 15.6 | 130 | 0.57 | 0.41 | 22.3 | 0.49 | 7.54 | 6.9 | 25 | 1.65 | 15.8 | 1.13 |
| W844321 | | 2.55 | 0.06 | 2.59 | 10.4 | 480 | 0.55 | 0.36 | 20.6 | 0.12 | 9.12 | 14.2 | 74 | 3.46 | 21.9 | 2.81 |
| W844322 | | 2.67 | 0.04 | 0.70 | 4.9 | 120 | 0.25 | 0.29 | 23.4 | 0.08 | 4.41 | 3.9 | 29 | 1.13 | 10.3 | 0.83 |
| W844323 | | 2.60 | 0.04 | 0.60 | 3.1 | 90 | 0.19 | 0.26 | 23.7 | 0.19 | 3.51 | 2.8 | 19 | 1.00 | 7.6 | 0.61 |
| W844324 | | 3.84 | 0.04 | 1.05 | 1.9 | 130 | 0.24 | 0.89 | 22.0 | 0.03 | 5.88 | 3.1 | 16 | 8.02 | 30.6 | 1.11 |
| W844325 | | 3.67 | 0.03 | 0.49 | 0.4 | 60 | 0.14 | 1.32 | 22.1 | 0.02 | 5.42 | 2.9 | 8 | 3.69 | 24.8 | 0.94 |
| W844326 | | 2.90 | 0.01 | 0.13 | 0.7 | 10 | 0.08 | 0.18 | 24.1 | 0.03 | 4.06 | 0.6 | 4 | 1.09 | 2.6 | 0.31 |
| W844327 | | 3.17 | 0.16 | 0.22 | 0.8 | 10 | 0.16 | 915 | 22.8 | 0.05 | 4.94 | 7.3 | 5 | 2.20 | 161.0 | 2.14 |
| W844328 | | 2.93 | 0.29 | 0.36 | 1.1 | 10 | 0.18 | 250 | 21.2 | 0.08 | 6.01 | 7.9 | 9 | 3.98 | 379 | 4.37 |
| W844329 | | 2.95 | 0.09 | 0.17 | 0.8 | 10 | 0.17 | 140.0 | 21.3 | 0.06 | 4.03 | 2.4 | 4 | 1.77 | 52.6 | 1.30 |
| W844330 | | 2.88 | 0.16 | 0.62 | 0.4 | 20 | 0.36 | 244 | 21.6 | 0.05 | 4.62 | 4.3 | 14 | 6.80 | 170.5 | 3.65 |
| W844331 | | 2.62 | 0.05 | 0.84 | 5.9 | 180 | 0.22 | 61.1 | 22.1 | 0.04 | 5.07 | 5.0 | 24 | 6.78 | 24.8 | 1.68 |
| W844332 | | 2.80 | 0.08 | 0.71 | 2.6 | 40 | 0.30 | 107.0 | 23.0 | 0.05 | 5.27 | 4.2 | 20 | 7.24 | 53.8 | 1.99 |
| W844333 | | 3.01 | 0.09 | 0.49 | 0.8 | 20 | 0.28 | 33.7 | 21.3 | 0.06 | 4.42 | 3.3 | 12 | 5.92 | 155.5 | 2.96 |
| W844334 | | 3.43 | 0.05 | 0.32 | 0.7 | 20 | 0.21 | 13.40 | 22.7 | 0.08 | 5.02 | 1.3 | 7 | 3.13 | 26.5 | 0.89 |
| W844335 | | 3.20 | 0.14 | 0.89 | 0.3 | 20 | 0.45 | 210 | 21.0 | 0.06 | 5.28 | 4.4 | 24 | 10.80 | 261 | 3.84 |
| W844336 | | 3.46 | 0.28 | 0.51 | 0.4 | 20 | 0.28 | 522 | 19.85 | 0.09 | 5.19 | 5.5 | 16 | 5.71 | 572 | 3.92 |
| W844337 | | 3.11 | 0.09 | 0.84 | 1.3 | 50 | 0.42 | 9.31 | 22.0 | 0.04 | 5.58 | 3.7 | 24 | 8.13 | 73.2 | 1.62 |
| W844338 | | 3.35 | 0.33 | 0.70 | 0.3 | 20 | 0.35 | 260 | 18.30 | 0.07 | 4.98 | 13.0 | 24 | 7.49 | 603 | 7.45 |
| W844339 | | 3.35 | 0.06 | 0.35 | 1.0 | 30 | 0.22 | 8.85 | 22.9 | 0.05 | 5.32 | 1.4 | 10 | 3.56 | 36.1 | 0.94 |
| W844340 | | 3.40 | 0.05 | 0.43 | 0.5 | 30 | 0.23 | 5.00 | 21.7 | 0.03 | 4.80 | 2.2 | 8 | 3.24 | 33.3 | 1.01 |
| W844341 | | 3.29 | 0.21 | 0.19 | 1.2 | 10 | 0.18 | 436 | 18.50 | 0.09 | 4.92 | 15.5 | 4 | 2.30 | 440 | 6.60 |
| W844342 | | 3.20 | 0.17 | 0.21 | 1.1 | 10 | 0.17 | 63.4 | 19.50 | 0.07 | 4.67 | 7.0 | 3 | 2.72 | 253 | 3.53 |
| W844343 | | 2.95 | 0.36 | 0.20 | 0.6 | 10 | 0.14 | 159.5 | 18.80 | 0.14 | 5.55 | 28.0 | 4 | 2.69 | 869 | 6.47 |
| W844344 | | 3.25 | 0.06 | 0.17 | 0.7 | 10 | 0.19 | 65.9 | 22.2 | 0.15 | 4.95 | 6.5 | 3 | 2.01 | 96.0 | 1.71 |
| W844345 | | 3.25 | 0.06 | 0.21 | 0.4 | 10 | 0.17 | 10.55 | 23.5 | 0.08 | 6.72 | 3.4 | 3 | 2.35 | 66.5 | 0.96 |
| W844346 | | 2.96 | 0.11 | 0.25 | 1.1 | 10 | 0.17 | 393 | 19.65 | 0.07 | 4.51 | 16.3 | 3 | 3.53 | 248 | 4.05 |
| W844347 | | 3.48 | 0.25 | 0.30 | 0.6 | 10 | 0.17 | 1510 | 19.80 | 0.05 | 5.68 | 39.1 | 4 | 3.96 | 683 | 8.59 |
| W844348 | | 3.15 | 0.11 | 0.64 | 0.5 | 30 | 0.37 | 38.3 | 21.7 | 0.09 | 4.70 | 13.0 | 4 | 7.65 | 261 | 3.00 |

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

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Project: Rau


**Finalized Date: 2-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844309 | | 13.40 | 0.07 | 0.3 | 0.033 | 2.91 | 9.8 | 32.9 | 5.60 | 739 | 1.32 | 0.92 | 7.0 | 148.0 | 540 | 3.3 |
| W844310 | | 15.50 | 0.05 | 0.6 | 0.034 | 2.88 | 10.3 | 35.3 | 5.17 | 887 | 1.33 | 1.31 | 7.3 | 109.0 | 540 | 2.6 |
| W844311 | | 14.10 | 0.06 | 0.4 | 0.041 | 2.98 | 11.3 | 34.9 | 5.30 | 1020 | 2.05 | 1.29 | 7.0 | 157.5 | 620 | 3.2 |
| W844312 | | 15.20 | 0.08 | 0.9 | 0.042 | 2.54 | 10.7 | 38.6 | 6.32 | 629 | 1.28 | 0.53 | 11.6 | 200 | 690 | 2.8 |
| W844313 | | 15.60 | 0.07 | 0.7 | 0.055 | 2.54 | 11.6 | 41.1 | 6.72 | 611 | 0.79 | 0.57 | 13.1 | 203 | 740 | 2.7 |
| W844314 | | 14.95 | <0.05 | 0.9 | 0.050 | 2.34 | 13.1 | 39.5 | 6.65 | 636 | 1.08 | 0.53 | 12.5 | 193.5 | 680 | 2.8 |
| W844315 | | 14.65 | 0.05 | 0.7 | 0.039 | 3.66 | 11.3 | 29.0 | 4.07 | 530 | 1.74 | 0.63 | 9.8 | 174.0 | 650 | 2.1 |
| W844316 | | 14.00 | <0.05 | 0.8 | 0.041 | 3.60 | 9.7 | 23.3 | 5.79 | 345 | 1.56 | 0.08 | 8.4 | 112.0 | 560 | 5.2 |
| W844317 | | 2.48 | <0.05 | 0.3 | 0.009 | 0.64 | 3.6 | 7.5 | 12.70 | 357 | 1.13 | 0.04 | 1.8 | 16.6 | 50 | 8.7 |
| W844318 | | 1.97 | <0.05 | 0.3 | 0.014 | 0.45 | 1.9 | 6.1 | 11.95 | 307 | 0.86 | 0.02 | 1.2 | 13.6 | 40 | 1.8 |
| W844319 | | 2.21 | 0.06 | 0.2 | 0.012 | 0.43 | 2.1 | 6.0 | 11.95 | 306 | 0.75 | 0.02 | 1.5 | 16.6 | 50 | 4.1 |
| W844320 | | 2.34 | 0.06 | 0.3 | 0.018 | 0.32 | 4.2 | 6.4 | 10.85 | 445 | 0.76 | 0.02 | 1.8 | 31.3 | 50 | 13.0 |
| W844321 | | 5.00 | 0.08 | 0.6 | 0.045 | 1.39 | 5.0 | 16.7 | 11.35 | 377 | 1.39 | 0.02 | 3.7 | 64.3 | 250 | 5.1 |
| W844322 | | 1.46 | 0.06 | 0.2 | 0.019 | 0.34 | 2.8 | 4.2 | 11.30 | 231 | 1.11 | 0.01 | 1.2 | 17.2 | 70 | 4.3 |
| W844323 | | 1.32 | 0.09 | 0.2 | 0.014 | 0.30 | 2.2 | 3.1 | 11.65 | 209 | 0.95 | 0.01 | 1.1 | 11.0 | 60 | 17.0 |
| W844324 | | 2.69 | 0.07 | 0.3 | 0.013 | 0.90 | 3.5 | 8.0 | 11.90 | 512 | 0.34 | 0.01 | 1.0 | 15.9 | 90 | 1.4 |
| W844325 | | 1.30 | 0.08 | 0.2 | 0.016 | 0.40 | 3.3 | 4.7 | 12.00 | 522 | 0.24 | 0.01 | 0.5 | 10.7 | 40 | 1.3 |
| W844326 | | 0.51 | 0.15 | <0.1 | 0.010 | 0.11 | 2.6 | 2.7 | 12.85 | 465 | 0.28 | 0.01 | 0.2 | 2.1 | 10 | 1.0 |
| W844327 | | 0.95 | 0.06 | 0.1 | 0.013 | 0.19 | 3.0 | 3.9 | 12.65 | 600 | 0.32 | 0.01 | 0.3 | 7.1 | <10 | 11.5 |
| W844328 | | 1.77 | <0.05 | 0.1 | 0.018 | 0.34 | 3.4 | 4.8 | 12.30 | 774 | 0.40 | 0.01 | 0.4 | 12.6 | 30 | 4.6 |
| W844329 | | 0.76 | 0.05 | 0.1 | 0.010 | 0.16 | 2.4 | 3.0 | 12.05 | 634 | 0.38 | 0.01 | 0.3 | 5.1 | <10 | 3.4 |
| W844330 | | 2.60 | <0.05 | 0.2 | 0.018 | 0.58 | 2.7 | 6.0 | 12.05 | 759 | 0.49 | 0.01 | 0.8 | 16.7 | 40 | 4.1 |
| W844331 | | 1.67 | <0.05 | 0.3 | 0.012 | 0.68 | 3.4 | 6.9 | 11.25 | 347 | 0.41 | 0.01 | 1.3 | 19.8 | 90 | 3.0 |
| W844332 | | 2.17 | <0.05 | 0.2 | 0.018 | 0.64 | 3.4 | 6.0 | 12.05 | 637 | 0.90 | 0.01 | 1.1 | 20.5 | 60 | 2.6 |
| W844333 | | 2.46 | <0.05 | 0.1 | 0.019 | 0.49 | 2.6 | 5.5 | 11.80 | 831 | 0.71 | 0.01 | 0.6 | 10.7 | 30 | 2.8 |
| W844334 | | 1.33 | 0.05 | 0.1 | 0.012 | 0.29 | 3.1 | 4.0 | 12.30 | 630 | 0.31 | 0.01 | 0.5 | 7.8 | 30 | 4.4 |
| W844335 | | 4.65 | <0.05 | 0.3 | 0.019 | 0.91 | 2.9 | 8.0 | 11.75 | 845 | 0.56 | 0.01 | 1.0 | 17.6 | 80 | 3.5 |
| W844336 | | 2.86 | 0.06 | 0.1 | 0.015 | 0.49 | 3.0 | 6.1 | 10.65 | 796 | 0.97 | 0.01 | 0.6 | 16.5 | 50 | 5.4 |
| W844337 | | 3.77 | 0.06 | 0.2 | 0.018 | 0.73 | 3.2 | 8.2 | 11.35 | 921 | 0.45 | 0.01 | 1.1 | 22.2 | 80 | 2.5 |
| W844338 | | 3.68 | 0.05 | 0.2 | 0.023 | 0.65 | 2.7 | 7.0 | 9.17 | 701 | 0.39 | 0.01 | 0.7 | 23.3 | 70 | 4.3 |
| W844339 | | 1.65 | 0.06 | 0.1 | 0.020 | 0.32 | 3.4 | 4.6 | 11.70 | 788 | 0.27 | 0.01 | 0.5 | 8.6 | 40 | 2.8 |
| W844340 | | 1.85 | 0.07 | 0.1 | 0.018 | 0.32 | 3.1 | 4.3 | 11.35 | 797 | 0.47 | 0.01 | 0.7 | 8.8 | 30 | 1.9 |
| W844341 | | 1.37 | 0.05 | <0.1 | 0.023 | 0.18 | 2.6 | 4.6 | 10.15 | 931 | 0.43 | 0.01 | 0.2 | 7.1 | 20 | 7.1 |
| W844342 | | 1.68 | <0.05 | <0.1 | 0.033 | 0.23 | 2.5 | 5.4 | 10.70 | 1040 | 0.36 | 0.01 | 0.1 | 4.6 | 10 | 3.3 |
| W844343 | | 1.65 | 0.05 | 0.1 | 0.030 | 0.21 | 2.8 | 5.0 | 9.63 | 1060 | 0.44 | 0.01 | 0.2 | 8.2 | 10 | 5.1 |
| W844344 | | 1.44 | <0.05 | 0.1 | 0.019 | 0.18 | 2.7 | 5.6 | 11.55 | 961 | 0.39 | 0.01 | 0.2 | 3.1 | 10 | 3.4 |
| W844345 | | 1.95 | 0.07 | <0.1 | 0.020 | 0.25 | 3.1 | 8.3 | 11.35 | 895 | 0.21 | 0.01 | <0.1 | 2.3 | 10 | 4.7 |
| W844346 | | 2.79 | <0.05 | <0.1 | 0.024 | 0.31 | 2.3 | 13.6 | 9.81 | 880 | 0.49 | 0.01 | 0.1 | 4.3 | 20 | 10.0 |
| W844347 | | 2.61 | 0.05 | 0.1 | 0.016 | 0.35 | 3.2 | 8.7 | 8.94 | 770 | 0.50 | 0.01 | 0.1 | 8.8 | 10 | 15.9 |
| W844348 | | 4.29 | 0.05 | <0.1 | 0.014 | 0.70 | 2.6 | 14.2 | 10.80 | 831 | 0.45 | 0.01 | 0.2 | 3.5 | <10 | 3.3 |

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

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Project: Rau


**Finalized Date: 2-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844309 | | 94.3 | 0.002 | 7.62 | 0.45 | 15.5 | <1 | 0.9 | 63.4 | 0.34 | <0.05 | 1.11 | 0.439 | 1.01 | 0.2 | 117 |
| W844310 | | 107.0 | <0.002 | 3.91 | 0.54 | 18.2 | <1 | 1.7 | 58.7 | 0.39 | <0.05 | 1.40 | 0.479 | 1.26 | 0.4 | 137 |
| W844311 | | 102.5 | <0.002 | 4.50 | 0.23 | 16.7 | <1 | 1.6 | 84.6 | 0.36 | <0.05 | 1.24 | 0.469 | 1.10 | 0.2 | 132 |
| W844312 | | 72.0 | <0.002 | 0.42 | 0.25 | 20.0 | <1 | 1.0 | 66.4 | 0.63 | <0.05 | 1.48 | 0.707 | 0.62 | 0.3 | 163 |
| W844313 | | 83.6 | <0.002 | 0.26 | 0.27 | 19.8 | <1 | 1.1 | 64.9 | 0.66 | <0.05 | 1.54 | 0.773 | 0.71 | 0.4 | 165 |
| W844314 | | 97.9 | <0.002 | 0.30 | 0.28 | 18.9 | <1 | 1.1 | 56.4 | 0.65 | <0.05 | 1.51 | 0.747 | 0.87 | 0.4 | 156 |
| W844315 | | 213 | 0.002 | 4.71 | 0.35 | 18.7 | <1 | 2.1 | 64.9 | 0.53 | <0.05 | 1.49 | 0.603 | 2.01 | 0.3 | 151 |
| W844316 | | 121.5 | <0.002 | 1.98 | 0.76 | 16.8 | <1 | 1.1 | 51.1 | 0.43 | <0.05 | 1.32 | 0.513 | 1.97 | 1.2 | 134 |
| W844317 | | 51.9 | 0.011 | 0.39 | 1.05 | 2.4 | <1 | 0.6 | 41.0 | 0.10 | <0.05 | 0.87 | 0.084 | 1.16 | 0.7 | 18 |
| W844318 | | 30.8 | <0.002 | 0.22 | 0.80 | 1.6 | <1 | 0.8 | 40.3 | 0.08 | <0.05 | 0.81 | 0.053 | 0.47 | 0.6 | 14 |
| W844319 | | 20.0 | <0.002 | 0.22 | 1.63 | 1.9 | <1 | 1.7 | 52.2 | 0.09 | <0.05 | 0.84 | 0.062 | 0.65 | 0.9 | 22 |
| W844320 | | 16.9 | <0.002 | 0.11 | 7.01 | 2.6 | <1 | 2.1 | 54.3 | 0.10 | <0.05 | 0.91 | 0.080 | 0.92 | 0.9 | 20 |
| W844321 | | 45.4 | 0.002 | 0.35 | 1.78 | 7.3 | <1 | 2.0 | 47.9 | 0.19 | <0.05 | 0.86 | 0.211 | 0.78 | 1.6 | 58 |
| W844322 | | 13.9 | <0.002 | 0.08 | 0.88 | 1.9 | <1 | 1.4 | 64.7 | 0.07 | <0.05 | 0.31 | 0.066 | 0.26 | 0.6 | 23 |
| W844323 | | 13.7 | <0.002 | 0.07 | 0.74 | 1.5 | 1 | 2.2 | 67.4 | 0.05 | <0.05 | 0.45 | 0.050 | 0.25 | 0.5 | 13 |
| W844324 | | 110.0 | <0.002 | 0.03 | 0.15 | 2.6 | <1 | 1.7 | 62.5 | 0.05 | <0.05 | 0.51 | 0.085 | 0.71 | 0.6 | 23 |
| W844325 | | 47.1 | <0.002 | 0.01 | 0.14 | 1.4 | <1 | 0.8 | 61.4 | <0.05 | <0.05 | 0.30 | 0.041 | 0.29 | 0.4 | 14 |
| W844326 | | 16.7 | <0.002 | <0.01 | 0.16 | 0.6 | <1 | 0.2 | 58.8 | <0.05 | <0.05 | 0.20 | 0.009 | 0.11 | 0.3 | 6 |
| W844327 | | 37.2 | <0.002 | 0.10 | 2.01 | 1.1 | <1 | 0.8 | 51.2 | <0.05 | 2.92 | 0.28 | 0.015 | 0.22 | 0.3 | 8 |
| W844328 | | 72.6 | <0.002 | 0.04 | 0.77 | 1.6 | <1 | 0.9 | 53.7 | <0.05 | 0.99 | 0.41 | 0.024 | 0.45 | 0.5 | 12 |
| W844329 | | 32.1 | <0.002 | 0.03 | 0.40 | 0.7 | <1 | 0.5 | 55.2 | <0.05 | 0.48 | 0.24 | 0.012 | 0.20 | 0.3 | 10 |
| W844330 | | 119.5 | 0.002 | 0.07 | 0.62 | 1.6 | <1 | 1.6 | 63.0 | 0.05 | 0.67 | 0.65 | 0.042 | 0.72 | 1.1 | 17 |
| W844331 | | 53.5 | <0.002 | 0.23 | 0.44 | 2.3 | <1 | 1.2 | 62.3 | 0.07 | 0.30 | 0.58 | 0.067 | 0.61 | 1.2 | 22 |
| W844332 | | 112.0 | 0.003 | 0.79 | 0.45 | 1.8 | <1 | 1.1 | 67.2 | 0.05 | 0.31 | 0.56 | 0.054 | 0.75 | 0.8 | 18 |
| W844333 | | 104.0 | 0.003 | 1.18 | 0.26 | 1.2 | <1 | 0.7 | 65.4 | <0.05 | 0.14 | 0.42 | 0.032 | 0.63 | 0.5 | 14 |
| W844334 | | 58.2 | <0.002 | 0.27 | 0.22 | 0.9 | <1 | 0.4 | 61.2 | <0.05 | <0.05 | 0.23 | 0.027 | 0.37 | 0.4 | 11 |
| W844335 | | 203 | 0.003 | 1.61 | 0.51 | 2.5 | <1 | 1.0 | 65.1 | 0.05 | 0.66 | 0.53 | 0.064 | 1.08 | 1.1 | 23 |
| W844336 | | 115.5 | 0.004 | 2.10 | 1.31 | 1.3 | <1 | 0.8 | 66.5 | <0.05 | 1.52 | 0.45 | 0.035 | 0.66 | 0.9 | 16 |
| W844337 | | 153.5 | 0.003 | 0.55 | 0.15 | 2.6 | 1 | 1.6 | 81.6 | 0.06 | <0.05 | 0.39 | 0.064 | 0.97 | 1.3 | 25 |
| W844338 | | 148.0 | 0.003 | 4.67 | 0.52 | 2.1 | 1 | 1.3 | 64.5 | <0.05 | 1.03 | 0.29 | 0.048 | 0.89 | 0.9 | 20 |
| W844339 | | 68.8 | 0.002 | 0.29 | 0.12 | 1.4 | 1 | 1.0 | 82.0 | <0.05 | <0.05 | 0.30 | 0.026 | 0.45 | 0.5 | 13 |
| W844340 | | 63.7 | 0.002 | 0.32 | 0.16 | 1.3 | 1 | 2.4 | 82.0 | <0.05 | 0.06 | 0.43 | 0.031 | 0.50 | 0.6 | 14 |
| W844341 | | 43.9 | 0.003 | 2.69 | 0.84 | 0.8 | 1 | 0.8 | 59.2 | <0.05 | 1.36 | 0.22 | 0.007 | 0.40 | 0.4 | 8 |
| W844342 | | 56.1 | 0.003 | 1.40 | 0.30 | 0.7 | <1 | 0.6 | 74.5 | <0.05 | 0.20 | 0.22 | 0.007 | 0.34 | 0.3 | 8 |
| W844343 | | 53.5 | 0.003 | 4.32 | 0.65 | 1.1 | 1 | 0.7 | 69.1 | <0.05 | 0.87 | 0.27 | 0.009 | 0.31 | 0.3 | 8 |
| W844344 | | 42.7 | <0.002 | 0.70 | 0.35 | 0.8 | 1 | 0.6 | 80.1 | <0.05 | 0.16 | 0.21 | 0.007 | 0.22 | 0.2 | 7 |
| W844345 | | 57.3 | 0.004 | 0.38 | 0.19 | 1.5 | <1 | 0.3 | 82.3 | <0.05 | 0.06 | 0.21 | 0.007 | 0.28 | 0.2 | 7 |
| W844346 | | 77.4 | 0.004 | 2.32 | 0.91 | 1.2 | <1 | 0.3 | 75.0 | <0.05 | 2.70 | 0.13 | 0.005 | 0.37 | 0.2 | 7 |
| W844347 | | 85.0 | 0.002 | 4.89 | 2.63 | 1.1 | 1 | 0.4 | 74.9 | <0.05 | 4.91 | 0.26 | 0.009 | 0.42 | 0.3 | 8 |
| W844348 | | 164.5 | 0.002 | 1.97 | 0.33 | 1.0 | <1 | 0.6 | 83.5 | <0.05 | 0.25 | 0.19 | 0.011 | 0.86 | 0.4 | 11 |

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

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**Finalized Date: 2-JAN-2021**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844309 | | 1.4 | 11.0 | 45 | 10.3 | <0.005 |
| W844310 | | 1.7 | 12.2 | 54 | 23.8 | <0.005 |
| W844311 | | 1.2 | 14.9 | 62 | 13.4 | <0.005 |
| W844312 | | 0.9 | 14.2 | 82 | 21.9 | <0.005 |
| W844313 | | 1.0 | 15.7 | 87 | 49.8 | <0.005 |
| W844314 | | 1.8 | 15.1 | 85 | 34.9 | <0.005 |
| W844315 | | 1.7 | 13.9 | 51 | 18.2 | <0.005 |
| W844316 | | 2.2 | 8.0 | 116 | 31.0 | <0.005 |
| W844317 | | 1.0 | 3.1 | 131 | 9.6 | <0.005 |
| W844318 | | 1.5 | 1.9 | 141 | 9.7 | <0.005 |
| W844319 | | 12.2 | 2.0 | 136 | 9.3 | <0.005 |
| W844320 | | 8.8 | 4.2 | 375 | 11.1 | <0.005 |
| W844321 | | 1.6 | 5.6 | 193 | 22.0 | <0.005 |
| W844322 | | 1.1 | 2.7 | 91 | 9.6 | 0.009 |
| W844323 | | 1.6 | 2.1 | 80 | 6.3 | <0.005 |
| W844324 | | 1.0 | 5.8 | 23 | 12.0 | <0.005 |
| W844325 | | 1.1 | 5.1 | 14 | 5.5 | 0.011 |
| W844326 | | 1.5 | 3.2 | 10 | 1.6 | <0.005 |
| W844327 | | 17.1 | 4.2 | 19 | 2.5 | 0.007 |
| W844328 | | 73.9 | 4.8 | 24 | 3.8 | <0.005 |
| W844329 | | 7.9 | 3.2 | 16 | 2.4 | <0.005 |
| W844330 | | 4.0 | 3.5 | 21 | 7.0 | <0.005 |
| W844331 | | 3.6 | 4.4 | 16 | 9.6 | <0.005 |
| W844332 | | 3.4 | 5.0 | 17 | 7.3 | <0.005 |
| W844333 | | 66.9 | 4.2 | 20 | 4.5 | <0.005 |
| W844334 | | 39.8 | 5.2 | 20 | 3.2 | <0.005 |
| W844335 | | 2.7 | 4.8 | 22 | 8.7 | <0.005 |
| W844336 | | 77.9 | 3.8 | 22 | 5.3 | <0.005 |
| W844337 | | 3.4 | 5.1 | 17 | 8.2 | 0.005 |
| W844338 | | 3.8 | 5.2 | 22 | 7.0 | <0.005 |
| W844339 | | 3.8 | 5.3 | 16 | 3.7 | <0.005 |
| W844340 | | 2.9 | 4.6 | 12 | 5.0 | <0.005 |
| W844341 | | 175.0 | 4.5 | 21 | 1.4 | <0.005 |
| W844342 | | 12.3 | 4.1 | 20 | 1.4 | <0.005 |
| W844343 | | 90.4 | 4.7 | 26 | 1.9 | <0.005 |
| W844344 | | 3.0 | 4.4 | 27 | 2.0 | 0.006 |
| W844345 | | 99.0 | 6.5 | 21 | 1.4 | 0.007 |
| W844346 | | 63.0 | 4.6 | 19 | 0.9 | <0.005 |
| W844347 | | 70.8 | 4.4 | 16 | 1.6 | <0.005 |
| W844348 | | 23.8 | 4.7 | 24 | 2.1 | <0.005 |

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

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Project: Rau


**Finalized Date: 2-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844349 | | 3.28 | 0.33 | 0.65 | 1.6 | 30 | 0.27 | 364 | 18.45 | 0.41 | 4.70 | 32.1 | 15 | 5.42 | 711 | 6.15 |
| W844350 | | 3.60 | 0.04 | 0.24 | 1.6 | 30 | 0.19 | 11.30 | 22.3 | 0.13 | 4.15 | 2.4 | 4 | 2.18 | 43.8 | 0.89 |
| W844351 | | 3.86 | 0.10 | 0.13 | 1.2 | 20 | 0.18 | 138.0 | 22.8 | 0.07 | 4.63 | 3.5 | 2 | 1.43 | 78.1 | 1.56 |
| W844352 | | 3.78 | 0.13 | 0.25 | 0.7 | 20 | 0.42 | 130.0 | 21.5 | 0.07 | 4.14 | 3.7 | 4 | 2.60 | 156.0 | 2.47 |
| W844353 | | 3.57 | 0.04 | 0.20 | 1.8 | 20 | 0.19 | 26.2 | 23.8 | 0.04 | 4.90 | 1.8 | 4 | 1.16 | 24.7 | 0.64 |
| W844354 | | 3.49 | 0.04 | 0.19 | 1.2 | 20 | 0.20 | 11.30 | 23.1 | 0.06 | 4.89 | 1.4 | 4 | 1.36 | 29.7 | 0.81 |
| W844355 | | 3.59 | 0.14 | 0.13 | 7.9 | 10 | 0.16 | 452 | 19.05 | 0.06 | 4.35 | 15.2 | 4 | 1.25 | 417 | 6.43 |
| W844356 | | 2.96 | 0.04 | 0.14 | 0.7 | 20 | 0.27 | 14.90 | 22.4 | 0.05 | 4.03 | 1.5 | 4 | 0.96 | 34.2 | 0.75 |
| W844357 | | 3.54 | 0.09 | 0.81 | 1.9 | 20 | 0.41 | 50.5 | 20.7 | 0.19 | 5.20 | 11.0 | 17 | 8.39 | 132.5 | 2.79 |
| W844358 | | 3.21 | 0.05 | 0.53 | 0.2 | 20 | 0.26 | 41.4 | 21.9 | 0.05 | 4.86 | 2.7 | 10 | 5.28 | 45.7 | 1.10 |
| W844359 | | 2.97 | 0.07 | 0.69 | 0.3 | 40 | 0.30 | 59.4 | 22.1 | 0.06 | 4.85 | 3.2 | 15 | 7.42 | 35.0 | 1.21 |
| W844360 | | 2.92 | 0.26 | 1.23 | 0.8 | 30 | 0.61 | 48.7 | 14.85 | 0.18 | 7.00 | 21.9 | 42 | 13.85 | 545 | 8.60 |
| W844361 | | 3.11 | 0.04 | 1.04 | 6.6 | 50 | 0.32 | 10.20 | 21.2 | 0.15 | 5.65 | 8.1 | 28 | 8.55 | 41.3 | 1.87 |
| W844362 | | 3.09 | 0.08 | 0.55 | 1.0 | 20 | 0.28 | 18.75 | 21.7 | 0.12 | 5.83 | 4.5 | 12 | 5.41 | 70.0 | 1.54 |
| W844363 | | 2.85 | 0.51 | 0.31 | 7.5 | 10 | 0.27 | 183.5 | 19.60 | 1.11 | 6.23 | 10.6 | 7 | 2.41 | 408 | 4.91 |
| W844364 | | 3.13 | 0.25 | 0.32 | 9.4 | 20 | 0.26 | 16.60 | 22.3 | 1.66 | 5.25 | 3.9 | 6 | 2.20 | 75.8 | 1.47 |
| W844365 | | 2.83 | 0.17 | 1.94 | 4.6 | 310 | 0.70 | 13.70 | 18.85 | 1.06 | 6.08 | 13.9 | 57 | 16.95 | 190.5 | 2.78 |
| W844366 | | 2.91 | 0.14 | 1.09 | 2.3 | 150 | 0.42 | 9.84 | 21.4 | 0.79 | 5.34 | 7.5 | 28 | 6.53 | 92.4 | 1.82 |
| W844367 | | 3.08 | 0.09 | 0.24 | 3.2 | 10 | 0.27 | 117.0 | 19.90 | 0.93 | 5.01 | 33.1 | 7 | 1.80 | 688 | 6.02 |
| W844368 | | 3.42 | 0.05 | 0.21 | 2.1 | 20 | 0.22 | 10.25 | 23.5 | 0.28 | 4.18 | 3.1 | 6 | 1.09 | 53.7 | 0.87 |
| W844369 | | 2.94 | 0.02 | 0.13 | 1.9 | 10 | 0.20 | 39.5 | 21.9 | 0.19 | 2.11 | 2.9 | 4 | 0.56 | 39.0 | 0.74 |
| W844370 | | 2.83 | 0.04 | 0.10 | 1.4 | 10 | 0.21 | 30.2 | 22.2 | 0.17 | 2.70 | 2.9 | 3 | 0.48 | 46.8 | 0.89 |
| W844371 | | 2.82 | 0.16 | 0.19 | 5.6 | 20 | 0.22 | 86.7 | 20.5 | 0.60 | 5.04 | 24.7 | 5 | 1.37 | 391 | 4.68 |
| W844372 | | 2.83 | 0.23 | 0.17 | 24.8 | 10 | 0.21 | 196.5 | 20.3 | 1.32 | 4.77 | 31.2 | 3 | 1.08 | 489 | 4.67 |
| W844373 | | 2.91 | 0.06 | 0.12 | 5.2 | 230 | 0.18 | 34.6 | 22.6 | 0.72 | 3.50 | 6.8 | 2 | 0.42 | 70.7 | 1.08 |
| W844374 | | 2.72 | 0.29 | 0.14 | 4.7 | 130 | 0.17 | 130.5 | 21.7 | 0.58 | 3.83 | 18.6 | 3 | 0.49 | 300 | 2.04 |
| W844375 | | 2.76 | 0.28 | 0.09 | 5.6 | 150 | 0.13 | 115.5 | 21.7 | 0.39 | 3.80 | 12.7 | 3 | 0.37 | 247 | 2.04 |
| W844376 | | 2.89 | 0.24 | 0.12 | 3.4 | 340 | 0.16 | 28.1 | 21.7 | 1.61 | 3.31 | 4.7 | 4 | 0.45 | 62.5 | 0.81 |
| W844377 | | 2.93 | 0.24 | 0.07 | 2.9 | 340 | 0.11 | 22.3 | 22.5 | 1.59 | 2.91 | 5.6 | 2 | 0.30 | 40.7 | 0.72 |
| W844378 | | 2.63 | 0.59 | 0.09 | 14.2 | 340 | 0.16 | 153.5 | 20.9 | 1.87 | 3.64 | 29.3 | 3 | 0.45 | 293 | 2.72 |
| W844379 | | 0.57 | 2.86 | 4.68 | 46.0 | 3050 | 1.11 | 4.41 | 11.70 | 1.99 | 58.1 | 20.2 | 122 | 2.33 | 57.5 | 4.56 |
| W844380 | | 3.69 | 1.30 | 1.73 | 20.1 | 1510 | 0.55 | 3.64 | 18.95 | 1.39 | 26.1 | 9.9 | 49 | 1.07 | 26.9 | 1.87 |
| W844381 | | 3.10 | 1.96 | 0.32 | 22.3 | 2900 | 0.30 | 2.66 | 21.4 | 2.58 | 6.81 | 5.1 | 12 | 0.26 | 25.6 | 1.37 |
| W844382 | | 2.94 | 0.76 | 0.10 | 5.8 | 1420 | 0.29 | 0.39 | 21.8 | 1.26 | 2.51 | 1.4 | 5 | 0.07 | 9.9 | 0.31 |
| W844383 | | 2.86 | 0.69 | 0.06 | 5.2 | 470 | 0.31 | 0.46 | 21.2 | 1.78 | 2.29 | 1.1 | 4 | 0.05 | 9.3 | 0.22 |
| W844384 | | 3.02 | 0.61 | 0.05 | 29.5 | 920 | 0.30 | 0.92 | 20.9 | 3.31 | 3.00 | 1.7 | 3 | 0.06 | 6.9 | 1.05 |
| W844385 | | 2.86 | 0.28 | 0.03 | 5.5 | 170 | 0.23 | 0.50 | 22.5 | 2.13 | 1.35 | 1.6 | 2 | <0.05 | 3.5 | 0.20 |
| W844386 | | 3.16 | 0.35 | 0.05 | 3.8 | 110 | 0.19 | 0.16 | 21.9 | 2.00 | 1.33 | 0.8 | 2 | <0.05 | 3.3 | 0.12 |
| W844387 | | 3.34 | 0.42 | 0.03 | 4.8 | 170 | 0.22 | 0.37 | 21.9 | 1.46 | 1.34 | 0.7 | 2 | <0.05 | 2.8 | 0.16 |
| W844388 | | 2.83 | 0.45 | 0.06 | 3.3 | 120 | 0.22 | 0.26 | 22.2 | 1.31 | 1.84 | 0.9 | 3 | <0.05 | 3.1 | 0.15 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 2-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844349 | | 5.11 | 0.05 | 0.1 | 0.017 | 0.63 | 2.4 | 10.5 | 9.79 | 1250 | 0.83 | 0.01 | 0.4 | 11.3 | 50 | 38.7 |
| W844350 | | 1.43 | 0.05 | 0.1 | 0.016 | 0.23 | 2.5 | 4.8 | 11.55 | 989 | 0.56 | 0.01 | 0.3 | 5.2 | 10 | 4.4 |
| W844351 | | 1.02 | 0.05 | <0.1 | 0.006 | 0.13 | 2.7 | 3.8 | 11.40 | 697 | 0.41 | 0.01 | 0.2 | 2.8 | <10 | 4.5 |
| W844352 | | 1.83 | <0.05 | <0.1 | 0.012 | 0.23 | 2.3 | 4.7 | 11.00 | 828 | 0.55 | 0.01 | 0.2 | 4.0 | 20 | 5.0 |
| W844353 | | 0.95 | 0.09 | 0.1 | <0.005 | 0.13 | 3.3 | 2.9 | 12.15 | 542 | 0.49 | 0.01 | 0.3 | 4.0 | 10 | 3.3 |
| W844354 | | 1.05 | 0.09 | 0.1 | 0.012 | 0.14 | 3.0 | 3.2 | 11.95 | 848 | 0.54 | 0.01 | 0.3 | 3.6 | <10 | 2.6 |
| W844355 | | 1.01 | <0.05 | <0.1 | 0.015 | 0.10 | 2.5 | 2.9 | 9.79 | 642 | 0.55 | 0.01 | 0.2 | 8.9 | <10 | 6.4 |
| W844356 | | 0.81 | 0.09 | <0.1 | 0.011 | 0.09 | 2.6 | 3.4 | 11.90 | 710 | 0.51 | 0.01 | 0.2 | 3.9 | 20 | 3.0 |
| W844357 | | 4.67 | 0.05 | 0.2 | 0.008 | 0.72 | 3.0 | 8.2 | 11.50 | 690 | 1.29 | 0.01 | 1.1 | 16.8 | 50 | 14.0 |
| W844358 | | 2.97 | 0.05 | 0.2 | 0.011 | 0.47 | 2.8 | 5.4 | 11.55 | 704 | 1.19 | 0.01 | 0.8 | 12.2 | 30 | 2.4 |
| W844359 | | 2.82 | 0.06 | 0.2 | 0.009 | 0.63 | 3.0 | 5.3 | 11.55 | 808 | 0.87 | 0.01 | 0.8 | 15.6 | 50 | 2.1 |
| W844360 | | 8.18 | 0.05 | 0.3 | 0.026 | 1.16 | 3.5 | 11.9 | 10.40 | 1110 | 1.00 | 0.01 | 1.1 | 34.2 | 110 | 3.6 |
| W844361 | | 2.85 | 0.06 | 0.3 | 0.008 | 0.76 | 3.7 | 6.1 | 10.85 | 618 | 1.06 | 0.01 | 1.4 | 27.4 | 80 | 6.0 |
| W844362 | | 2.60 | 0.05 | 0.1 | 0.009 | 0.44 | 3.5 | 5.3 | 10.90 | 675 | 1.09 | 0.01 | 0.7 | 14.3 | 50 | 3.8 |
| W844363 | | 2.33 | 0.06 | 0.1 | 0.012 | 0.21 | 3.1 | 3.7 | 11.10 | 1100 | 1.50 | <0.01 | 0.4 | 11.9 | 30 | 117.0 |
| W844364 | | 1.48 | <0.05 | 0.1 | 0.013 | 0.21 | 3.3 | 3.4 | 11.70 | 834 | 1.24 | 0.01 | 0.5 | 9.6 | 20 | 83.9 |
| W844365 | | 5.84 | 0.08 | 0.5 | 0.015 | 1.42 | 3.3 | 11.6 | 10.65 | 919 | 0.67 | 0.01 | 2.2 | 59.2 | 200 | 34.7 |
| W844366 | | 4.15 | 0.06 | 0.3 | 0.015 | 0.73 | 3.2 | 7.5 | 10.95 | 942 | 0.71 | 0.01 | 1.2 | 34.3 | 90 | 19.7 |
| W844367 | | 1.68 | <0.05 | 0.1 | 0.017 | 0.15 | 2.8 | 3.6 | 11.25 | 974 | 0.55 | 0.01 | 0.2 | 12.4 | 20 | 12.0 |
| W844368 | | 1.15 | 0.06 | 0.1 | 0.027 | 0.12 | 2.6 | 3.7 | 12.35 | 840 | 0.56 | 0.01 | 0.3 | 6.9 | 10 | 11.1 |
| W844369 | | 0.67 | 0.11 | <0.1 | 0.011 | 0.06 | 1.3 | 4.1 | 12.80 | 476 | 0.43 | 0.01 | 0.2 | 3.4 | <10 | 6.3 |
| W844370 | | 0.65 | 0.09 | <0.1 | 0.011 | 0.05 | 1.6 | 3.5 | 12.60 | 720 | 0.44 | 0.01 | 0.1 | 3.2 | <10 | 7.3 |
| W844371 | | 1.41 | 0.05 | <0.1 | 0.025 | 0.13 | 2.7 | 4.0 | 11.30 | 983 | 0.56 | 0.01 | 0.2 | 4.7 | 20 | 14.3 |
| W844372 | | 1.36 | 0.07 | <0.1 | 0.021 | 0.09 | 2.6 | 3.5 | 11.20 | 1080 | 0.82 | 0.01 | 0.1 | 6.9 | 30 | 63.5 |
| W844373 | | 0.79 | 0.05 | <0.1 | 0.012 | 0.06 | 2.3 | 4.0 | 12.40 | 991 | 0.45 | 0.01 | 0.2 | 3.7 | 20 | 21.0 |
| W844374 | | 1.14 | 0.06 | <0.1 | 0.012 | 0.07 | 2.6 | 4.9 | 12.00 | 832 | 0.51 | 0.01 | 0.1 | 6.4 | 20 | 66.8 |
| W844375 | | 0.66 | 0.05 | <0.1 | 0.015 | 0.05 | 2.5 | 3.7 | 12.25 | 891 | 0.51 | 0.01 | 0.1 | 5.7 | 20 | 36.5 |
| W844376 | | 0.78 | 0.07 | <0.1 | 0.009 | 0.05 | 2.7 | 3.4 | 12.10 | 732 | 0.44 | 0.01 | 0.2 | 3.1 | 20 | 66.0 |
| W844377 | | 0.50 | 0.07 | <0.1 | 0.007 | 0.03 | 2.3 | 3.7 | 12.85 | 810 | 0.45 | 0.01 | 0.1 | 2.9 | 20 | 52.8 |
| W844378 | | 0.71 | 0.05 | <0.1 | 0.011 | 0.05 | 2.4 | 3.4 | 11.80 | 920 | 0.68 | 0.01 | 0.1 | 5.8 | 20 | 109.5 |
| W844379 | | 13.35 | 0.13 | 1.7 | 0.050 | 2.41 | 34.1 | 8.6 | 4.54 | 507 | 11.90 | 0.09 | 23.4 | 83.2 | 3680 | 424 |
| W844380 | | 4.96 | 0.08 | 0.8 | 0.023 | 0.88 | 15.2 | 4.7 | 9.95 | 345 | 2.05 | 0.06 | 11.4 | 38.7 | 2460 | 388 |
| W844381 | | 1.00 | 0.05 | 0.1 | 0.013 | 0.14 | 4.4 | 2.5 | 12.95 | 298 | 1.88 | 0.05 | 1.8 | 30.7 | 970 | 235 |
| W844382 | | 0.37 | 0.09 | 0.1 | 0.031 | 0.04 | 2.0 | 2.2 | 13.65 | 251 | 0.74 | 0.02 | 0.5 | 6.9 | 640 | 86.3 |
| W844383 | | 0.27 | 0.13 | <0.1 | 0.031 | 0.03 | 1.7 | 2.2 | 13.40 | 251 | 0.94 | 0.01 | 0.2 | 4.5 | 950 | 53.4 |
| W844384 | | 0.34 | 0.08 | <0.1 | 0.020 | 0.02 | 2.2 | 1.8 | 12.90 | 289 | 1.11 | 0.01 | 0.2 | 19.8 | 1800 | 313 |
| W844385 | | 0.16 | 0.14 | <0.1 | 0.015 | 0.01 | 1.2 | 2.0 | 14.10 | 364 | 0.51 | 0.01 | 0.1 | 4.2 | 810 | 64.1 |
| W844386 | | 0.21 | 0.14 | <0.1 | <0.005 | 0.02 | 0.9 | 2.3 | 13.70 | 208 | 0.36 | 0.01 | 0.2 | 2.5 | 300 | 58.7 |
| W844387 | | 0.19 | 0.16 | <0.1 | 0.005 | 0.01 | 1.0 | 1.8 | 13.65 | 290 | 0.31 | 0.01 | 0.1 | 3.4 | 450 | 70.6 |
| W844388 | | 0.31 | 0.16 | <0.1 | <0.005 | 0.03 | 1.2 | 2.3 | 14.00 | 322 | 0.47 | 0.01 | 0.2 | 3.0 | 330 | 53.4 |

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

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**Finalized Date: 2-JAN-2021**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844349 | | 136.0 | <0.002 | 2.89 | 1.55 | 1.2 | <1 | 0.6 | 68.6 | <0.05 | 1.32 | 0.64 | 0.023 | 0.72 | 0.6 | 18 |
| W844350 | | 49.4 | 0.002 | 0.24 | 0.16 | 0.6 | 1 | 0.3 | 83.4 | <0.05 | <0.05 | 0.24 | 0.012 | 0.30 | 0.3 | 10 |
| W844351 | | 29.0 | 0.003 | 0.64 | 0.48 | 0.6 | <1 | 0.2 | 78.9 | <0.05 | 0.50 | 0.18 | 0.006 | 0.16 | 0.3 | 7 |
| W844352 | | 52.9 | 0.003 | 1.16 | 0.63 | 0.6 | <1 | 0.4 | 77.7 | <0.05 | 0.54 | 0.20 | 0.008 | 0.26 | 0.3 | 8 |
| W844353 | | 27.7 | <0.002 | 0.13 | 0.44 | 0.7 | 1 | 0.2 | 75.5 | <0.05 | 0.07 | 0.30 | 0.011 | 0.17 | 0.3 | 8 |
| W844354 | | 30.8 | <0.002 | 0.22 | 0.22 | 0.6 | <1 | 0.3 | 74.5 | <0.05 | <0.05 | 0.29 | 0.011 | 0.18 | 0.3 | 9 |
| W844355 | | 22.8 | 0.005 | 4.70 | 1.17 | 0.5 | <1 | 0.4 | 57.2 | <0.05 | 1.37 | 0.19 | 0.006 | 0.23 | 0.3 | 5 |
| W844356 | | 19.0 | 0.002 | 0.28 | 0.20 | 0.6 | <1 | 0.2 | 76.2 | <0.05 | <0.05 | 0.16 | 0.008 | 0.13 | 0.2 | 8 |
| W844357 | | 174.0 | 0.002 | 1.45 | 0.46 | 1.6 | <1 | 0.8 | 69.0 | 0.05 | 0.27 | 0.39 | 0.051 | 0.99 | 0.8 | 20 |
| W844358 | | 113.5 | 0.006 | 0.37 | 0.24 | 1.2 | <1 | 0.6 | 68.4 | 0.05 | 0.14 | 0.38 | 0.036 | 0.65 | 0.8 | 17 |
| W844359 | | 129.0 | 0.007 | 0.33 | 0.27 | 1.5 | <1 | 0.5 | 72.7 | <0.05 | 0.16 | 0.36 | 0.039 | 0.79 | 0.8 | 19 |
| W844360 | | 288 | 0.007 | 0.73 | 0.23 | 3.4 | <1 | 1.2 | 46.3 | 0.06 | 0.34 | 0.54 | 0.076 | 1.56 | 1.3 | 35 |
| W844361 | | 127.0 | 0.005 | 0.77 | 0.83 | 2.9 | 1 | 0.7 | 72.9 | 0.07 | 0.05 | 0.47 | 0.073 | 1.00 | 0.8 | 28 |
| W844362 | | 98.5 | <0.002 | 0.36 | 0.22 | 1.6 | 1 | 0.5 | 70.8 | <0.05 | 0.06 | 0.33 | 0.033 | 0.62 | 0.6 | 17 |
| W844363 | | 49.2 | <0.002 | 0.34 | 1.45 | 1.3 | 1 | 0.5 | 56.4 | <0.05 | 0.43 | 0.42 | 0.018 | 0.35 | 0.6 | 12 |
| W844364 | | 40.7 | 0.003 | 0.23 | 0.70 | 1.0 | <1 | 0.4 | 69.5 | <0.05 | <0.05 | 0.38 | 0.023 | 0.34 | 0.6 | 11 |
| W844365 | | 201 | 0.004 | 0.12 | 0.52 | 5.6 | 1 | 1.4 | 54.6 | 0.09 | 0.19 | 0.64 | 0.126 | 1.63 | 0.7 | 45 |
| W844366 | | 106.0 | <0.002 | 0.17 | 0.72 | 3.2 | 1 | 1.0 | 71.3 | 0.06 | 0.07 | 0.45 | 0.068 | 0.96 | 0.6 | 28 |
| W844367 | | 33.7 | 0.002 | 0.10 | 0.47 | 1.0 | <1 | 0.3 | 55.6 | <0.05 | 0.44 | 0.22 | 0.012 | 0.60 | 0.5 | 9 |
| W844368 | | 25.1 | <0.002 | 0.03 | 0.58 | 0.7 | <1 | 0.2 | 75.7 | <0.05 | <0.05 | 0.17 | 0.015 | 0.38 | 0.3 | 11 |
| W844369 | | 11.9 | 0.002 | 0.02 | 0.54 | 0.4 | <1 | 0.2 | 38.9 | <0.05 | 0.13 | 0.14 | 0.007 | 0.34 | 0.2 | 7 |
| W844370 | | 9.2 | 0.002 | 0.02 | 0.30 | 0.4 | <1 | 0.2 | 43.6 | <0.05 | 0.10 | 0.11 | 0.005 | 0.20 | 0.2 | 5 |
| W844371 | | 26.3 | <0.002 | 0.06 | 0.48 | 0.8 | 1 | 0.4 | 56.6 | <0.05 | 0.51 | 0.21 | 0.008 | 0.40 | 0.5 | 7 |
| W844372 | | 19.2 | <0.002 | 0.04 | 6.85 | 0.9 | 1 | 0.3 | 53.0 | <0.05 | 0.74 | 0.20 | 0.007 | 2.12 | 0.5 | 7 |
| W844373 | | 10.7 | <0.002 | 0.03 | 1.32 | 0.5 | 1 | 0.2 | 48.0 | <0.05 | 0.13 | 0.27 | 0.006 | 1.39 | 0.2 | 7 |
| W844374 | | 13.0 | <0.002 | 0.03 | 2.75 | 0.8 | 1 | 0.2 | 38.4 | <0.05 | 0.37 | 0.17 | 0.005 | 2.38 | 0.3 | 7 |
| W844375 | | 7.2 | <0.002 | 0.02 | 2.50 | 0.6 | 1 | 0.2 | 51.7 | <0.05 | 0.36 | 0.12 | 0.005 | 1.82 | 0.2 | 8 |
| W844376 | | 8.6 | <0.002 | 0.02 | 1.32 | 0.7 | 1 | 0.2 | 47.7 | <0.05 | 0.13 | 0.24 | 0.008 | 0.59 | 0.2 | 10 |
| W844377 | | 5.1 | <0.002 | 0.02 | 0.65 | 0.6 | 1 | 0.2 | 52.2 | <0.05 | 0.08 | 0.11 | <0.005 | 0.98 | 0.1 | 9 |
| W844378 | | 7.3 | <0.002 | 0.03 | 3.53 | 0.6 | 1 | 0.3 | 50.5 | <0.05 | 0.37 | 0.14 | <0.005 | 1.80 | 0.2 | 9 |
| W844379 | | 41.7 | <0.002 | 0.18 | 8.80 | 13.1 | 3 | 1.3 | 124.5 | 1.37 | 0.06 | 4.08 | 0.637 | 1.00 | 10.5 | 156 |
| W844380 | | 17.9 | <0.002 | 0.04 | 4.39 | 5.5 | 2 | 0.6 | 94.1 | 0.62 | <0.05 | 1.66 | 0.269 | 0.32 | 9.4 | 71 |
| W844381 | | 3.8 | <0.002 | 0.08 | 9.92 | 1.3 | 3 | 0.2 | 118.0 | 0.10 | <0.05 | 0.33 | 0.042 | 0.14 | 6.4 | 24 |
| W844382 | | 1.2 | <0.002 | 0.03 | 4.11 | 0.5 | 1 | <0.2 | 72.0 | <0.05 | <0.05 | 0.13 | 0.013 | 0.04 | 5.5 | 15 |
| W844383 | | 0.9 | <0.002 | 0.01 | 4.06 | 0.3 | 1 | <0.2 | 64.8 | <0.05 | <0.05 | 0.11 | 0.006 | 0.04 | 5.8 | 12 |
| W844384 | | 0.7 | <0.002 | 0.02 | 39.1 | 0.5 | 2 | <0.2 | 78.6 | <0.05 | <0.05 | 0.09 | <0.005 | 0.09 | 10.0 | 20 |
| W844385 | | 0.4 | <0.002 | <0.01 | 2.58 | 0.2 | 1 | <0.2 | 62.0 | <0.05 | <0.05 | 0.03 | <0.005 | 0.07 | 6.2 | 10 |
| W844386 | | 0.6 | <0.002 | <0.01 | 1.49 | 0.2 | 1 | <0.2 | 60.1 | <0.05 | <0.05 | 0.10 | <0.005 | 0.02 | 2.9 | 11 |
| W844387 | | 0.4 | <0.002 | <0.01 | 2.67 | 0.2 | 1 | <0.2 | 65.3 | <0.05 | <0.05 | 0.04 | <0.005 | 0.02 | 3.6 | 10 |
| W844388 | | 0.8 | <0.002 | <0.01 | 2.11 | 0.4 | 1 | <0.2 | 70.3 | <0.05 | <0.05 | 0.14 | <0.005 | 0.04 | 2.2 | 11 |

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

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


**Finalized Date: 2-JAN-2021**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844349 | | 22.3 | 4.2 | 67 | 4.9 | <0.005 |
| W844350 | | 4.5 | 3.4 | 23 | 2.6 | <0.005 |
| W844351 | | 3.9 | 4.6 | 15 | 1.6 | <0.005 |
| W844352 | | 11.2 | 4.1 | 16 | 1.8 | <0.005 |
| W844353 | | 3.9 | 4.6 | 12 | 2.5 | <0.005 |
| W844354 | | 4.2 | 4.3 | 13 | 2.4 | <0.005 |
| W844355 | | 25.7 | 3.5 | 13 | 1.4 | <0.005 |
| W844356 | | 3.6 | 4.0 | 14 | 1.7 | <0.005 |
| W844357 | | 5.2 | 4.3 | 47 | 8.9 | <0.005 |
| W844358 | | 2.3 | 4.1 | 15 | 6.7 | <0.005 |
| W844359 | | 5.0 | 4.4 | 16 | 7.2 | <0.005 |
| W844360 | | 59.9 | 7.0 | 99 | 14.6 | <0.005 |
| W844361 | | 5.7 | 4.9 | 44 | 11.2 | <0.005 |
| W844362 | | 3.9 | 5.1 | 29 | 5.7 | <0.005 |
| W844363 | | 14.5 | 6.5 | 320 | 3.8 | <0.005 |
| W844364 | | 5.4 | 4.7 | 257 | 4.1 | 0.005 |
| W844365 | | 3.0 | 6.3 | 250 | 18.7 | <0.005 |
| W844366 | | 3.5 | 5.0 | 122 | 11.0 | <0.005 |
| W844367 | | 9.8 | 5.1 | 214 | 2.4 | <0.005 |
| W844368 | | 8.5 | 4.2 | 65 | 2.7 | 0.005 |
| W844369 | | 1.6 | 2.0 | 56 | 1.4 | <0.005 |
| W844370 | | 1.8 | 2.3 | 48 | 1.0 | <0.005 |
| W844371 | | 10.4 | 4.4 | 140 | 1.8 | <0.005 |
| W844372 | | 7.6 | 5.2 | 533 | 1.5 | <0.005 |
| W844373 | | 3.4 | 4.4 | 227 | 1.4 | <0.005 |
| W844374 | | 3.5 | 6.2 | 171 | 0.8 | <0.005 |
| W844375 | | 9.9 | 6.2 | 164 | 0.7 | <0.005 |
| W844376 | | 2.9 | 5.9 | 173 | 1.5 | <0.005 |
| W844377 | | 1.5 | 5.5 | 236 | 0.6 | <0.005 |
| W844378 | | 3.1 | 6.1 | 505 | 0.8 | <0.005 |
| W844379 | | 2.6 | 15.0 | 496 | 70.6 | 0.026 |
| W844380 | | 1.1 | 9.7 | 250 | 28.5 | 0.014 |
| W844381 | | 0.5 | 5.4 | 398 | 6.5 | 0.009 |
| W844382 | | 0.5 | 2.9 | 112 | 2.2 | 0.005 |
| W844383 | | 0.9 | 2.1 | 111 | 1.6 | 0.005 |
| W844384 | | 1.8 | 4.6 | 559 | 2.1 | 0.008 |
| W844385 | | 0.6 | 2.3 | 168 | 0.8 | 0.012 |
| W844386 | | 0.3 | 1.3 | 118 | 1.2 | 0.010 |
| W844387 | | 0.4 | 1.6 | 185 | 0.8 | 0.010 |
| W844388 | | 0.5 | 1.6 | 143 | 1.5 | 0.018 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 2-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844389 | | 2.84 | 0.26 | 0.16 | 5.2 | 270 | 0.28 | 0.43 | 22.3 | 1.75 | 5.81 | 1.8 | 9 | 0.08 | 4.5 | 0.30 |

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# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844389 | | 0.66 | 0.15 | 0.1 | <0.005 | 0.08 | 3.2 | 2.9 | 13.75 | 343 | 0.83 | 0.02 | 0.7 | 6.9 | 2250 | 60.9 |

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# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844389 | | 2.2 | <0.002 | <0.01 | 2.97 | 0.8 | 1 | 0.2 | 85.6 | <0.05 | <0.05 | 0.40 | 0.017 | 0.09 | 10.4 | 14 |

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**Finalized Date: 2-JAN-2021**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227736

| Sample Description | Method Analyte Units LOD | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 | Au-AA24 Au ppm 0.005 |
|---|---|---|---|---|---|---|
| W844389 | | 0.6 | 4.1 | 252 | 4.4 | 0.009 |

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Project: Rau


**Finalized Date: 2-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227736

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 23-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227752

Project: Rau

P.O. No.: R20-B11

This report is for 90 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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Project: Rau


**Finalized Date: 23-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844390 | | 2.93 | 1.11 | 0.22 | 13.0 | 340 | 0.36 | 0.26 | 20.2 | 2.03 | 6.22 | 2.2 | 11 | 0.10 | 23.3 | 1.53 |
| W844391 | | 2.60 | 0.32 | 0.06 | 4.1 | 100 | 0.18 | 0.15 | 22.3 | 1.10 | 2.04 | 1.1 | 3 | <0.05 | 6.7 | 0.38 |
| W844392 | | 2.85 | 0.35 | 0.04 | 5.3 | 80 | 0.16 | 0.11 | 21.6 | 1.97 | 1.25 | 1.4 | 3 | <0.05 | 5.2 | 0.32 |
| W844393 | | 2.68 | 0.41 | 0.06 | 5.7 | 200 | 0.20 | 0.14 | 22.6 | 2.10 | 1.59 | 1.4 | 3 | <0.05 | 4.1 | 0.44 |
| W844394 | | 2.75 | 1.99 | 0.53 | 22.8 | 590 | 0.54 | 0.24 | 22.0 | 7.06 | 10.20 | 2.2 | 11 | 0.21 | 8.8 | 1.10 |
| W844395 | | 2.80 | 0.41 | 0.13 | 11.7 | 170 | 0.23 | 0.22 | 24.5 | 4.12 | 4.61 | 1.4 | 6 | 0.07 | 5.1 | 0.55 |
| W844396 | | 3.13 | 0.16 | 0.05 | 3.8 | 60 | 0.16 | 0.22 | 23.4 | 0.96 | 1.72 | 0.7 | 3 | <0.05 | 2.8 | 0.22 |
| W844397 | | 3.18 | 0.16 | 0.07 | 2.9 | 100 | 0.26 | 0.34 | 22.7 | 0.53 | 1.96 | 0.6 | 4 | <0.05 | 3.1 | 0.19 |
| W844398 | | 2.96 | 0.12 | 0.04 | 4.0 | 80 | 0.18 | 0.23 | 22.5 | 0.54 | 1.26 | 0.7 | 3 | <0.05 | 2.4 | 0.20 |
| W844399 | | 2.77 | 0.14 | 0.03 | 8.3 | 50 | 0.23 | 0.21 | 22.1 | 0.75 | 1.12 | 0.7 | 2 | <0.05 | 2.5 | 0.27 |
| W844400 | | 2.93 | 0.13 | 0.03 | 11.1 | 50 | 0.11 | 0.32 | 20.2 | 0.48 | 1.00 | 0.6 | 3 | <0.05 | 2.4 | 0.31 |
| W844401 | | 2.84 | 0.05 | 0.02 | 4.1 | 30 | 0.13 | 0.15 | 22.2 | 0.25 | 1.05 | 0.5 | 3 | <0.05 | 2.3 | 0.16 |
| W844402 | | 2.58 | 0.06 | 0.06 | 2.8 | 60 | 0.17 | 0.18 | 22.6 | 0.18 | 1.37 | 0.7 | 3 | 0.05 | 2.5 | 0.15 |
| W844403 | | 2.82 | 0.08 | 0.15 | 4.3 | 150 | 0.28 | 0.18 | 21.5 | 0.21 | 3.87 | 0.7 | 6 | 0.07 | 2.9 | 0.23 |
| W844404 | | 3.06 | 0.06 | 0.07 | 2.5 | 100 | 0.21 | 0.15 | 22.0 | 0.17 | 2.05 | 0.6 | 3 | 0.05 | 2.7 | 0.15 |
| W844405 | | 2.70 | 0.08 | 0.19 | 3.9 | 370 | 0.34 | 0.13 | 21.7 | 0.20 | 3.24 | 0.7 | 4 | 0.08 | 2.8 | 0.25 |
| W844406 | | 2.46 | 0.17 | 0.41 | 6.4 | 790 | 0.52 | 0.13 | 21.9 | 0.36 | 5.41 | 1.1 | 8 | 0.13 | 4.0 | 0.44 |
| W844407 | | 2.93 | 0.52 | 0.29 | 10.0 | 670 | 0.47 | 0.17 | 22.4 | 0.95 | 4.49 | 1.1 | 9 | 0.09 | 7.3 | 0.68 |
| W844408 | | 2.67 | 0.26 | 0.20 | 5.1 | 400 | 0.34 | 0.04 | 23.0 | 0.48 | 3.32 | 0.7 | 6 | 0.08 | 4.1 | 0.31 |
| W844409 | | 2.80 | 0.49 | 0.20 | 9.6 | 480 | 0.41 | 0.04 | 22.4 | 1.14 | 3.39 | 0.7 | 7 | 0.08 | 4.6 | 0.34 |
| W844410 | | 2.79 | 0.21 | 0.20 | 6.9 | 500 | 0.43 | 0.09 | 22.5 | 0.57 | 3.18 | 0.6 | 8 | 0.08 | 4.5 | 0.39 |
| W844411 | | 2.99 | 0.20 | 0.11 | 3.3 | 270 | 0.22 | 0.06 | 18.70 | 0.51 | 1.73 | 0.5 | 6 | 0.05 | 3.6 | 0.33 |
| W844412 | | 2.76 | 0.21 | 0.15 | 3.6 | 190 | 0.29 | 0.45 | 22.1 | 0.92 | 2.94 | 0.5 | 8 | 0.07 | 3.3 | 0.22 |
| W844413 | | 2.81 | 0.30 | 0.11 | 3.3 | 220 | 0.23 | 0.35 | 22.2 | 1.56 | 2.57 | 0.5 | 5 | 0.06 | 3.2 | 0.23 |
| W844414 | | 2.99 | 1.10 | 0.09 | 14.3 | 340 | 0.27 | 0.57 | 22.9 | 2.92 | 3.13 | 0.6 | 6 | 0.09 | 5.9 | 0.77 |
| W844415 | | 2.87 | 2.24 | 0.05 | 5.6 | 720 | 0.17 | 0.17 | 23.1 | 28.0 | 2.10 | 0.7 | 3 | 0.06 | 8.7 | 0.72 |
| W844416 | | 2.71 | 1.15 | 0.05 | 6.4 | 950 | 0.19 | 0.12 | 23.6 | 10.70 | 2.59 | 0.5 | 3 | 0.05 | 12.0 | 0.76 |
| W844417 | | 2.78 | 0.64 | 0.03 | 5.2 | 310 | 0.13 | 0.28 | 23.9 | 4.21 | 1.76 | 0.5 | 3 | <0.05 | 4.8 | 0.33 |
| W844418 | | 2.54 | 0.30 | 0.02 | 2.7 | 110 | 0.08 | 0.05 | 24.1 | 1.66 | 1.02 | 0.3 | 2 | <0.05 | 2.6 | 0.18 |
| W844419 | | 2.72 | 0.29 | 0.07 | 2.3 | 130 | 0.13 | 0.22 | 23.1 | 1.91 | 2.20 | 0.4 | 3 | <0.05 | 3.0 | 0.20 |
| W844420 | | 2.77 | 0.74 | 0.07 | 9.5 | 200 | 0.09 | 0.28 | 23.7 | 2.80 | 1.94 | 0.4 | 2 | <0.05 | 3.8 | 0.38 |
| W844421 | | 2.70 | 0.31 | 0.03 | 4.3 | 100 | 0.08 | 0.23 | 24.6 | 1.43 | 1.38 | 0.4 | 2 | <0.05 | 2.7 | 0.20 |
| W844422 | | 2.58 | 0.18 | 0.02 | 2.0 | 80 | 0.11 | 0.07 | 23.8 | 1.07 | 1.15 | 0.3 | 2 | <0.05 | 2.4 | 0.13 |
| W844423 | | 2.66 | 0.30 | 0.09 | 2.9 | 230 | 0.20 | 0.18 | 23.8 | 1.33 | 2.60 | 0.4 | 7 | 0.05 | 2.8 | 0.18 |
| W844424 | | 2.49 | 0.35 | 0.07 | 4.1 | 100 | 0.22 | 0.26 | 23.7 | 1.09 | 1.97 | 0.4 | 4 | 0.05 | 2.7 | 0.23 |
| W844425 | | 2.45 | 0.53 | 0.08 | 4.0 | 130 | 0.17 | 0.18 | 23.9 | 2.63 | 2.07 | 0.4 | 5 | 0.05 | 4.0 | 0.29 |
| W844426 | | 3.38 | 1.56 | 0.13 | 7.5 | 310 | 0.22 | 0.15 | 24.3 | 4.30 | 2.65 | 0.5 | 5 | 0.07 | 4.5 | 0.35 |
| W844427 | | 3.01 | 1.62 | 0.18 | 11.3 | 550 | 0.20 | 0.34 | 25.3 | 4.02 | 3.23 | 0.6 | 6 | 0.11 | 5.5 | 0.47 |
| W844428 | | 2.48 | 0.91 | 0.06 | 6.5 | 420 | 0.16 | 0.09 | 23.8 | 2.53 | 2.00 | 0.4 | 3 | 0.06 | 3.7 | 0.34 |
| W844429 | | 2.53 | 0.69 | 0.11 | 8.7 | 430 | 0.25 | 0.36 | 24.1 | 2.52 | 3.10 | 0.5 | 5 | 0.09 | 4.2 | 0.44 |

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**Finalized Date: 23-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844390 | | 0.96 | 0.06 | 0.2 | 0.022 | 0.11 | 3.7 | 2.5 | 12.20 | 271 | 2.42 | 0.02 | 1.0 | 18.4 | 3380 | 116.0 |
| W844391 | | 0.27 | 0.10 | <0.1 | 0.028 | 0.03 | 1.4 | 2.3 | 13.85 | 296 | 0.89 | 0.01 | 0.2 | 5.9 | 1170 | 53.5 |
| W844392 | | 0.21 | 0.13 | <0.1 | 0.011 | 0.02 | 0.9 | 1.9 | 13.50 | 261 | 0.91 | 0.01 | 0.1 | 5.5 | 370 | 64.6 |
| W844393 | | 0.29 | 0.11 | <0.1 | 0.010 | 0.03 | 1.0 | 1.7 | 13.50 | 763 | 1.45 | 0.01 | 0.3 | 11.0 | 400 | 90.2 |
| W844394 | | 2.07 | 0.08 | 0.4 | 0.007 | 0.27 | 6.4 | 3.0 | 12.15 | 637 | 2.20 | 0.02 | 2.1 | 24.7 | 4300 | 333 |
| W844395 | | 0.59 | 0.11 | 0.1 | 0.006 | 0.06 | 3.3 | 2.5 | 14.85 | 423 | 1.32 | 0.02 | 0.6 | 12.3 | 1550 | 136.0 |
| W844396 | | 0.27 | 0.14 | <0.1 | <0.005 | 0.02 | 1.2 | 2.1 | 14.55 | 245 | 0.73 | 0.01 | 0.2 | 3.9 | 410 | 58.3 |
| W844397 | | 0.30 | 0.09 | <0.1 | <0.005 | 0.03 | 1.2 | 1.8 | 14.00 | 251 | 0.78 | 0.02 | 0.3 | 3.0 | 650 | 36.1 |
| W844398 | | 0.22 | 0.14 | <0.1 | <0.005 | 0.02 | 0.8 | 1.8 | 14.10 | 299 | 0.66 | 0.01 | 0.2 | 3.3 | 220 | 32.7 |
| W844399 | | 0.20 | 0.15 | <0.1 | 0.005 | 0.01 | 0.7 | 1.8 | 13.80 | 328 | 0.84 | 0.01 | 0.1 | 4.8 | 90 | 56.2 |
| W844400 | | 0.19 | 0.13 | <0.1 | 0.006 | 0.01 | 0.6 | 1.5 | 12.80 | 277 | 0.84 | 0.01 | 0.1 | 4.5 | 110 | 39.5 |
| W844401 | | 0.16 | 0.15 | <0.1 | <0.005 | 0.01 | 0.6 | 1.6 | 14.20 | 301 | 0.67 | 0.01 | <0.1 | 2.3 | 70 | 14.2 |
| W844402 | | 0.32 | 0.19 | <0.1 | <0.005 | 0.03 | 0.8 | 2.0 | 14.05 | 290 | 2.35 | 0.01 | 0.2 | 2.4 | 200 | 12.6 |
| W844403 | | 0.74 | 0.17 | 0.1 | <0.005 | 0.07 | 2.9 | 1.8 | 13.40 | 185 | 2.09 | 0.01 | 0.6 | 3.1 | 580 | 16.0 |
| W844404 | | 0.38 | 0.17 | <0.1 | <0.005 | 0.03 | 1.4 | 1.7 | 13.80 | 210 | 1.09 | 0.01 | 0.2 | 2.1 | 250 | 8.9 |
| W844405 | | 0.87 | 0.15 | 0.1 | <0.005 | 0.09 | 2.0 | 2.4 | 13.40 | 169 | 1.29 | 0.01 | 0.7 | 3.4 | 680 | 20.7 |
| W844406 | | 1.52 | 0.12 | 0.2 | <0.005 | 0.20 | 3.2 | 3.1 | 13.55 | 198 | 1.91 | 0.02 | 1.4 | 6.1 | 1100 | 35.7 |
| W844407 | | 1.17 | 0.06 | 0.2 | 0.005 | 0.14 | 2.8 | 3.1 | 13.20 | 219 | 1.83 | 0.02 | 1.0 | 9.9 | 1110 | 63.1 |
| W844408 | | 0.80 | 0.10 | 0.1 | <0.005 | 0.09 | 2.1 | 2.7 | 14.00 | 204 | 1.17 | 0.02 | 0.6 | 4.0 | 890 | 28.8 |
| W844409 | | 0.94 | 0.11 | 0.1 | <0.005 | 0.09 | 2.0 | 3.1 | 13.55 | 202 | 1.57 | 0.02 | 0.7 | 5.0 | 730 | 53.2 |
| W844410 | | 0.93 | 0.12 | 0.1 | <0.005 | 0.09 | 2.0 | 3.2 | 13.55 | 198 | 1.65 | 0.02 | 0.7 | 4.7 | 840 | 44.7 |
| W844411 | | 0.50 | 0.11 | 0.1 | <0.005 | 0.05 | 1.1 | 1.8 | 11.35 | 192 | 1.25 | 0.02 | 0.3 | 2.5 | 560 | 26.2 |
| W844412 | | 0.67 | 0.18 | 0.1 | <0.005 | 0.07 | 1.7 | 2.6 | 13.50 | 257 | 1.35 | 0.02 | 0.5 | 3.0 | 810 | 42.5 |
| W844413 | | 0.56 | 0.17 | 0.1 | 0.005 | 0.05 | 1.5 | 2.8 | 13.55 | 308 | 1.28 | 0.02 | 0.4 | 2.9 | 640 | 53.1 |
| W844414 | | 0.44 | 0.09 | 0.1 | 0.007 | 0.04 | 1.8 | 2.7 | 12.70 | 514 | 1.09 | 0.02 | 0.4 | 4.1 | 490 | 168.0 |
| W844415 | | 0.41 | 0.06 | <0.1 | 0.026 | 0.02 | 1.3 | 2.1 | 13.20 | 2100 | 2.63 | 0.01 | 0.1 | 7.3 | 270 | 1260 |
| W844416 | | 0.28 | 0.08 | <0.1 | 0.008 | 0.02 | 1.8 | 1.9 | 12.75 | 2270 | 1.89 | 0.01 | 0.1 | 4.4 | 150 | 1050 |
| W844417 | | 0.21 | 0.11 | <0.1 | <0.005 | 0.01 | 1.2 | 1.8 | 13.55 | 875 | 1.14 | 0.01 | 0.1 | 2.5 | 150 | 467 |
| W844418 | | 0.14 | 0.18 | <0.1 | <0.005 | 0.01 | 0.7 | 1.6 | 14.30 | 415 | 0.74 | 0.01 | <0.1 | 1.4 | 60 | 119.0 |
| W844419 | | 0.37 | 0.21 | <0.1 | 0.005 | 0.03 | 1.4 | 2.0 | 13.80 | 390 | 0.81 | 0.01 | 0.2 | 1.7 | 380 | 109.0 |
| W844420 | | 0.38 | 0.16 | <0.1 | 0.007 | 0.02 | 1.1 | 2.4 | 13.10 | 700 | 1.04 | 0.01 | 0.1 | 2.0 | 250 | 205 |
| W844421 | | 0.22 | 0.19 | <0.1 | 0.005 | 0.01 | 0.8 | 1.9 | 14.30 | 367 | 0.78 | 0.01 | 0.1 | 1.4 | 170 | 81.9 |
| W844422 | | 0.21 | 0.22 | <0.1 | <0.005 | 0.01 | 0.7 | 1.6 | 14.10 | 283 | 0.64 | 0.01 | 0.1 | 1.0 | 100 | 46.9 |
| W844423 | | 0.42 | 0.24 | 0.1 | <0.005 | 0.04 | 1.4 | 2.2 | 14.20 | 313 | 0.70 | 0.01 | 0.4 | 1.5 | 460 | 69.8 |
| W844424 | | 0.39 | 0.23 | <0.1 | <0.005 | 0.03 | 1.2 | 2.3 | 14.00 | 305 | 0.65 | 0.02 | 0.3 | 2.1 | 530 | 55.8 |
| W844425 | | 0.36 | 0.18 | <0.1 | <0.005 | 0.03 | 1.1 | 2.3 | 13.60 | 523 | 1.35 | 0.02 | 0.3 | 2.1 | 340 | 116.5 |
| W844426 | | 0.52 | 0.16 | 0.1 | <0.005 | 0.06 | 1.6 | 2.9 | 12.25 | 401 | 1.20 | 0.02 | 0.6 | 3.2 | 540 | 283 |
| W844427 | | 0.66 | 0.11 | 0.1 | 0.005 | 0.08 | 2.0 | 2.5 | 11.80 | 444 | 1.36 | 0.02 | 0.7 | 3.6 | 710 | 277 |
| W844428 | | 0.25 | 0.15 | <0.1 | 0.005 | 0.02 | 1.3 | 2.4 | 13.35 | 491 | 0.99 | 0.01 | 0.2 | 1.7 | 200 | 205 |
| W844429 | | 0.71 | 0.14 | 0.1 | 0.009 | 0.03 | 1.8 | 3.0 | 13.50 | 608 | 1.43 | 0.02 | 0.4 | 2.8 | 470 | 226 |

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

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**Finalized Date: 23-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844390 | | 3.4 | <0.002 | 0.02 | 6.72 | 0.8 | 2 | 0.3 | 75.3 | 0.05 | <0.05 | 0.58 | 0.018 | 0.09 | 22.8 | 34 |
| W844391 | | 0.8 | <0.002 | 0.01 | 2.49 | 0.2 | 1 | <0.2 | 65.3 | <0.05 | <0.05 | 0.11 | <0.005 | 0.03 | 10.8 | 14 |
| W844392 | | 0.5 | <0.002 | <0.01 | 3.65 | 0.2 | 1 | <0.2 | 61.9 | <0.05 | <0.05 | 0.07 | <0.005 | 0.08 | 2.6 | 7 |
| W844393 | | 0.9 | <0.002 | <0.01 | 4.91 | 0.3 | 1 | <0.2 | 63.0 | <0.05 | <0.05 | 0.10 | 0.006 | 0.21 | 2.5 | 9 |
| W844394 | | 8.7 | <0.002 | 0.01 | 34.3 | 1.2 | 2 | 0.5 | 72.5 | 0.12 | <0.05 | 1.21 | 0.038 | 0.41 | 27.3 | 40 |
| W844395 | | 2.0 | <0.002 | <0.01 | 12.65 | 0.6 | 2 | 0.2 | 79.3 | <0.05 | <0.05 | 0.27 | 0.011 | 0.15 | 10.1 | 18 |
| W844396 | | 0.7 | <0.002 | <0.01 | 4.64 | 0.3 | 1 | <0.2 | 77.1 | <0.05 | <0.05 | 0.10 | <0.005 | 0.04 | 3.3 | 8 |
| W844397 | | 1.0 | <0.002 | <0.01 | 1.88 | 0.3 | 1 | <0.2 | 70.1 | <0.05 | <0.05 | 0.16 | 0.006 | 0.03 | 3.5 | 9 |
| W844398 | | 0.6 | <0.002 | <0.01 | 1.36 | 0.2 | 1 | <0.2 | 57.0 | <0.05 | <0.05 | 0.08 | <0.005 | 0.04 | 1.4 | 8 |
| W844399 | | 0.4 | <0.002 | <0.01 | 7.66 | 0.2 | 1 | <0.2 | 58.3 | <0.05 | <0.05 | 0.05 | <0.005 | 0.03 | 0.8 | 7 |
| W844400 | | 0.4 | <0.002 | 0.01 | 3.21 | 0.2 | 1 | <0.2 | 56.2 | <0.05 | <0.05 | 0.04 | <0.005 | 0.02 | 0.8 | 13 |
| W844401 | | 0.3 | <0.002 | <0.01 | 0.62 | 0.1 | 1 | <0.2 | 59.0 | <0.05 | <0.05 | 0.03 | <0.005 | 0.02 | 0.6 | 9 |
| W844402 | | 0.9 | <0.002 | <0.01 | 0.60 | 0.2 | 1 | <0.2 | 57.7 | <0.05 | <0.05 | 0.11 | <0.005 | 0.04 | 1.3 | 8 |
| W844403 | | 2.4 | <0.002 | <0.01 | 0.55 | 0.4 | 1 | 0.2 | 66.2 | <0.05 | <0.05 | 0.28 | 0.011 | 0.05 | 3.9 | 22 |
| W844404 | | 1.1 | <0.002 | <0.01 | 0.38 | 0.2 | 1 | <0.2 | 66.8 | <0.05 | <0.05 | 0.12 | <0.005 | 0.04 | 1.9 | 12 |
| W844405 | | 2.9 | <0.002 | <0.01 | 0.68 | 0.4 | 1 | 0.2 | 64.0 | <0.05 | <0.05 | 0.41 | 0.012 | 0.05 | 5.2 | 26 |
| W844406 | | 6.5 | <0.002 | <0.01 | 1.30 | 0.8 | 1 | 0.3 | 72.0 | 0.08 | <0.05 | 0.82 | 0.025 | 0.10 | 7.3 | 40 |
| W844407 | | 5.2 | <0.002 | 0.01 | 5.30 | 0.7 | 1 | 0.2 | 68.2 | 0.06 | <0.05 | 0.54 | 0.016 | 0.09 | 6.8 | 51 |
| W844408 | | 3.4 | <0.002 | <0.01 | 1.62 | 0.5 | 1 | 0.2 | 77.3 | <0.05 | <0.05 | 0.43 | 0.010 | 0.06 | 5.6 | 36 |
| W844409 | | 3.6 | <0.002 | <0.01 | 4.76 | 0.5 | 1 | 0.2 | 70.9 | <0.05 | <0.05 | 0.44 | 0.010 | 0.06 | 5.4 | 36 |
| W844410 | | 3.4 | <0.002 | <0.01 | 2.51 | 0.4 | 1 | 0.2 | 68.3 | <0.05 | <0.05 | 0.38 | 0.010 | 0.05 | 5.7 | 40 |
| W844411 | | 1.6 | <0.002 | <0.01 | 1.14 | 0.2 | 1 | <0.2 | 51.4 | <0.05 | <0.05 | 0.17 | 0.006 | 0.03 | 3.1 | 20 |
| W844412 | | 2.7 | <0.002 | <0.01 | 0.75 | 0.6 | 1 | 0.3 | 73.8 | <0.05 | <0.05 | 0.33 | 0.010 | 0.03 | 4.6 | 18 |
| W844413 | | 1.9 | <0.002 | <0.01 | 1.10 | 0.3 | 1 | 0.2 | 68.2 | <0.05 | <0.05 | 0.26 | 0.007 | 0.04 | 4.0 | 16 |
| W844414 | | 1.5 | <0.002 | 0.01 | 2.07 | 0.5 | 1 | <0.2 | 76.5 | <0.05 | <0.05 | 0.26 | 0.006 | 0.05 | 3.5 | 14 |
| W844415 | | 0.8 | <0.002 | 0.01 | 4.61 | 0.6 | 1 | 0.5 | 70.2 | <0.05 | <0.05 | 0.10 | <0.005 | 0.19 | 2.7 | 9 |
| W844416 | | 0.7 | <0.002 | 0.01 | 4.42 | 0.4 | 1 | 0.2 | 62.6 | <0.05 | <0.05 | 0.08 | <0.005 | 0.14 | 1.8 | 9 |
| W844417 | | 0.5 | <0.002 | <0.01 | 2.19 | 0.3 | 1 | <0.2 | 54.7 | <0.05 | <0.05 | 0.10 | <0.005 | 0.10 | 1.2 | 8 |
| W844418 | | 0.3 | <0.002 | <0.01 | 0.81 | 0.1 | 1 | <0.2 | 54.4 | <0.05 | <0.05 | 0.03 | <0.005 | 0.03 | 0.8 | 6 |
| W844419 | | 1.1 | <0.002 | <0.01 | 1.04 | 0.3 | 1 | <0.2 | 64.6 | <0.05 | <0.05 | 0.12 | <0.005 | 0.03 | 2.2 | 9 |
| W844420 | | 1.0 | <0.002 | <0.01 | 1.98 | 0.4 | 1 | 0.2 | 40.7 | <0.05 | <0.05 | 0.09 | <0.005 | 0.06 | 1.5 | 10 |
| W844421 | | 0.4 | <0.002 | <0.01 | 1.17 | 0.2 | 1 | <0.2 | 52.5 | <0.05 | <0.05 | 0.06 | <0.005 | 0.03 | 1.6 | 8 |
| W844422 | | 0.4 | <0.002 | <0.01 | 0.76 | 0.2 | 1 | <0.2 | 60.7 | <0.05 | <0.05 | 0.05 | <0.005 | 0.02 | 1.0 | 6 |
| W844423 | | 1.6 | <0.002 | <0.01 | 0.87 | 0.5 | 1 | <0.2 | 69.6 | <0.05 | <0.05 | 0.22 | 0.008 | 0.06 | 2.6 | 9 |
| W844424 | | 1.3 | <0.002 | <0.01 | 1.06 | 0.3 | 1 | <0.2 | 72.5 | <0.05 | <0.05 | 0.18 | 0.006 | 0.04 | 3.0 | 11 |
| W844425 | | 1.3 | <0.002 | <0.01 | 1.66 | 0.4 | 1 | 0.2 | 61.5 | <0.05 | <0.05 | 0.18 | 0.007 | 0.09 | 2.0 | 11 |
| W844426 | | 2.2 | <0.002 | <0.01 | 2.21 | 0.5 | 1 | 0.2 | 58.3 | <0.05 | <0.05 | 0.30 | 0.009 | 0.09 | 4.2 | 17 |
| W844427 | | 3.1 | <0.002 | 0.01 | 3.28 | 0.5 | 1 | 0.2 | 58.4 | <0.05 | <0.05 | 0.38 | 0.012 | 0.12 | 5.1 | 18 |
| W844428 | | 1.0 | <0.002 | <0.01 | 1.65 | 0.2 | 1 | <0.2 | 61.4 | <0.05 | <0.05 | 0.11 | <0.005 | 0.09 | 1.5 | 7 |
| W844429 | | 1.9 | <0.002 | <0.01 | 1.80 | 0.3 | 1 | 0.4 | 68.6 | <0.05 | <0.05 | 0.23 | 0.006 | 0.09 | 2.7 | 17 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 23-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method Analyte Units LOD | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 | Au-AA24 Au ppm 0.005 |
|---|---|---|---|---|---|---|
| W844390 | | 1.9 | 6.8 | 661 | 7.2 | 0.030 |
| W844391 | | 0.6 | 2.4 | 280 | 1.9 | 0.006 |
| W844392 | | 0.6 | 1.3 | 245 | 1.2 | 0.007 |
| W844393 | | 0.5 | 1.6 | 449 | 1.8 | 0.010 |
| W844394 | | 1.8 | 8.7 | 1060 | 15.6 | 0.010 |
| W844395 | | 1.2 | 3.5 | 440 | 3.5 | 0.005 |
| W844396 | | 0.8 | 1.6 | 161 | 1.3 | <0.005 |
| W844397 | | 0.8 | 1.7 | 109 | 2.0 | <0.005 |
| W844398 | | 0.4 | 1.0 | 119 | 1.0 | 0.005 |
| W844399 | | 0.9 | 0.8 | 184 | 0.7 | <0.005 |
| W844400 | | 0.4 | 0.8 | 148 | 0.5 | 0.005 |
| W844401 | | 0.2 | 0.7 | 64 | <0.5 | <0.005 |
| W844402 | | 0.8 | 0.9 | 54 | 1.4 | <0.005 |
| W844403 | | 0.8 | 2.0 | 48 | 3.6 | <0.005 |
| W844404 | | 0.3 | 1.4 | 33 | 1.5 | <0.005 |
| W844405 | | 0.4 | 2.0 | 82 | 4.8 | <0.005 |
| W844406 | | 0.6 | 2.9 | 167 | 8.4 | 0.006 |
| W844407 | | 0.8 | 3.7 | 439 | 7.0 | 0.012 |
| W844408 | | 0.6 | 2.6 | 209 | 5.1 | 0.005 |
| W844409 | | 0.6 | 2.6 | 270 | 5.6 | 0.005 |
| W844410 | | 1.0 | 2.7 | 280 | 5.0 | <0.005 |
| W844411 | | 2.4 | 1.3 | 212 | 2.4 | <0.005 |
| W844412 | | 1.3 | 1.9 | 247 | 4.0 | <0.005 |
| W844413 | | 0.8 | 1.8 | 371 | 3.3 | <0.005 |
| W844414 | | 0.9 | 2.2 | 915 | 2.8 | 0.005 |
| W844415 | | 0.4 | 2.0 | 4470 | 1.5 | 0.008 |
| W844416 | | 0.4 | 1.8 | 1770 | 1.0 | <0.005 |
| W844417 | | 0.6 | 1.2 | 716 | 1.3 | <0.005 |
| W844418 | | 0.3 | 0.7 | 321 | <0.5 | <0.005 |
| W844419 | | 0.4 | 1.6 | 336 | 1.7 | <0.005 |
| W844420 | | 0.4 | 1.6 | 540 | 1.2 | <0.005 |
| W844421 | | 0.4 | 1.1 | 270 | 0.7 | <0.005 |
| W844422 | | 0.3 | 0.8 | 172 | 0.7 | <0.005 |
| W844423 | | 0.4 | 1.5 | 206 | 2.7 | <0.005 |
| W844424 | | 0.7 | 1.3 | 242 | 2.4 | <0.005 |
| W844425 | | 0.6 | 1.2 | 436 | 2.0 | <0.005 |
| W844426 | | 0.6 | 1.8 | 689 | 3.2 | <0.005 |
| W844427 | | 0.7 | 2.3 | 757 | 4.0 | 0.005 |
| W844428 | | 0.4 | 1.2 | 378 | 1.6 | <0.005 |
| W844429 | | 0.7 | 1.8 | 399 | 3.1 | <0.005 |

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**Finalized Date: 23-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844430 | | 2.84 | 0.34 | 0.06 | 5.6 | 260 | 0.14 | 0.13 | 23.6 | 1.33 | 2.30 | 0.3 | 3 | 0.09 | 2.6 | 0.31 |
| W844431 | | 2.72 | 0.39 | 0.10 | 8.2 | 240 | 0.19 | 0.23 | 24.1 | 1.28 | 3.78 | 0.5 | 3 | 0.12 | 2.8 | 0.46 |
| W844432 | | 2.68 | 0.37 | 0.04 | 5.5 | 290 | 0.12 | 0.13 | 24.2 | 1.44 | 2.38 | 0.4 | 3 | 0.11 | 3.0 | 0.35 |
| W844433 | | 2.53 | 0.33 | 0.05 | 4.4 | 270 | 0.14 | 0.12 | 23.3 | 1.61 | 2.28 | 0.4 | 3 | 0.09 | 3.0 | 0.28 |
| W844434 | | 2.98 | 1.64 | 4.10 | 49.9 | 2540 | 1.04 | 14.25 | 15.45 | 2.43 | 58.5 | 24.1 | 133 | 2.15 | 57.1 | 4.40 |
| W844435 | | 3.23 | 1.54 | 3.24 | 40.7 | 1910 | 0.81 | 10.85 | 16.60 | 2.62 | 50.0 | 20.1 | 114 | 1.79 | 48.7 | 3.57 |
| W844436 | | 3.24 | 2.09 | 0.46 | 53.6 | 3070 | 0.31 | 0.27 | 21.8 | 10.30 | 10.50 | 4.6 | 17 | 0.28 | 21.4 | 1.11 |
| W844437 | | 2.70 | 2.08 | 0.28 | 128.0 | 1750 | 0.36 | 0.12 | 14.00 | 5.08 | 7.38 | 3.2 | 18 | 0.25 | 24.2 | 1.07 |
| W844438 | | 2.76 | 1.66 | 0.20 | 92.5 | 1650 | 0.35 | 0.07 | 21.4 | 3.34 | 6.21 | 2.6 | 14 | 0.19 | 16.7 | 0.90 |
| W844439 | | 2.99 | 1.05 | 0.14 | 53.8 | 360 | 0.24 | 0.05 | 23.0 | 4.28 | 5.00 | 2.6 | 11 | 0.14 | 10.8 | 0.94 |
| W844440 | | 3.09 | 0.42 | 0.05 | 26.0 | 170 | 0.26 | 0.03 | 22.6 | 3.52 | 2.91 | 1.5 | 5 | 0.05 | 6.4 | 0.44 |
| W844441 | | 3.16 | 0.61 | 0.08 | 25.3 | 360 | 0.22 | 0.04 | 22.7 | 3.41 | 3.30 | 2.8 | 6 | 0.07 | 28.1 | 0.39 |
| W844442 | | 2.91 | 0.99 | 0.13 | 19.6 | 320 | 0.19 | 0.05 | 22.6 | 3.24 | 4.92 | 3.8 | 7 | 0.06 | 9.8 | 0.56 |
| W844443 | | 2.87 | 1.03 | 4.27 | 84.8 | 3390 | 0.71 | 0.07 | 14.60 | 3.16 | 61.6 | 22.0 | 70 | 1.23 | 46.0 | 3.27 |
| W844444 | | 2.43 | 0.52 | 1.13 | 136.0 | 1060 | 0.45 | 0.06 | 19.55 | 3.23 | 27.0 | 9.0 | 34 | 0.58 | 24.8 | 1.44 |
| W844445 | | 2.69 | 0.73 | 0.90 | 63.4 | 960 | 0.43 | 0.03 | 20.6 | 2.70 | 19.75 | 5.8 | 25 | 0.43 | 11.5 | 1.00 |
| W844446 | | 2.87 | 0.24 | 0.12 | 13.5 | 220 | 0.20 | 0.01 | 21.2 | 1.84 | 3.54 | 1.7 | 7 | 0.09 | 6.5 | 0.35 |
| W844447 | | 2.71 | 1.28 | 3.06 | 77.0 | 3930 | 0.75 | 0.13 | 13.75 | 4.22 | 31.8 | 11.8 | 139 | 1.15 | 51.7 | 6.77 |
| W844448 | | 2.80 | 0.73 | 0.40 | 32.7 | 510 | 0.26 | 0.52 | 19.55 | 2.33 | 7.59 | 8.6 | 21 | 0.18 | 34.8 | 3.38 |
| W844449 | | 2.77 | 0.73 | 2.89 | 32.7 | 3210 | 0.66 | 0.58 | 15.65 | 3.36 | 42.6 | 19.5 | 121 | 1.55 | 32.7 | 3.86 |
| W844450 | | 3.07 | 1.33 | 7.50 | 44.1 | 7950 | 1.51 | 0.09 | 5.32 | 6.77 | 111.0 | 60.0 | 332 | 4.34 | 118.0 | 7.56 |
| W844451 | | 2.96 | 2.96 | 7.97 | 44.7 | >10000 | 1.66 | 0.07 | 3.03 | 6.45 | 106.0 | 59.2 | 338 | 4.80 | 140.5 | 9.71 |
| W844452 | | 3.05 | 2.86 | 5.03 | 33.3 | 9670 | 0.91 | 0.08 | 8.77 | 6.98 | 73.4 | 42.9 | 202 | 3.11 | 107.0 | 6.33 |
| W844453 | | 2.73 | 3.11 | 8.20 | 59.6 | 8320 | 1.48 | 0.05 | 2.56 | 5.90 | 107.0 | 31.4 | 295 | 5.51 | 110.0 | 9.68 |
| W844454 | | 2.94 | 2.53 | 8.11 | 46.6 | 5900 | 1.90 | 0.04 | 1.25 | 12.45 | 131.0 | 39.4 | 162 | 4.07 | 189.5 | 13.50 |
| W844455 | | 2.71 | 4.25 | 9.06 | 43.2 | >10000 | 1.97 | 0.06 | 0.84 | 3.48 | 124.0 | 20.5 | 225 | 5.00 | 86.2 | 9.54 |
| W844456 | | 2.83 | 1.37 | 7.01 | 40.5 | 8030 | 1.44 | 0.14 | 6.45 | 6.13 | 104.5 | 58.3 | 181 | 3.17 | 115.5 | 8.42 |
| W844457 | | 2.63 | 0.76 | 7.62 | 64.7 | 5100 | 1.84 | 0.15 | 2.62 | 5.53 | 92.2 | 42.5 | 178 | 2.98 | 104.0 | 8.61 |
| W844458 | | 2.48 | 0.50 | 6.86 | 44.0 | 5090 | 1.59 | 0.06 | 9.56 | 3.60 | 93.6 | 44.6 | 152 | 3.37 | 109.5 | 4.54 |
| W844459 | | 2.34 | 0.49 | 6.40 | 33.6 | 5320 | 1.45 | 0.05 | 9.07 | 1.95 | 90.0 | 37.1 | 158 | 2.59 | 97.2 | 4.11 |
| W844460 | | 2.49 | 0.61 | 8.22 | 34.9 | 7110 | 1.37 | 0.30 | 3.87 | 3.12 | 99.6 | 50.9 | 143 | 2.88 | 110.0 | 6.98 |
| W844461 | | 2.48 | 0.77 | 4.43 | 128.5 | 5360 | 0.97 | 0.21 | 9.19 | 2.63 | 100.0 | 26.5 | 109 | 1.89 | 65.0 | 4.23 |
| W844462 | | 2.68 | 0.67 | 4.39 | 129.5 | 5350 | 0.91 | 0.16 | 11.20 | 4.68 | 64.4 | 33.3 | 84 | 1.62 | 67.7 | 5.27 |
| W844463 | | 2.43 | 0.63 | 1.10 | 58.2 | 1910 | 0.36 | 0.04 | 19.20 | 2.50 | 21.6 | 9.2 | 31 | 0.47 | 21.1 | 2.19 |
| W844464 | | 2.63 | 0.39 | 0.36 | 15.5 | 580 | 0.27 | 0.02 | 20.3 | 1.59 | 9.43 | 3.2 | 14 | 0.18 | 10.3 | 0.84 |
| W844465 | | 2.61 | 1.62 | 0.31 | 31.1 | 670 | 0.27 | 0.05 | 18.55 | 5.90 | 7.78 | 6.3 | 12 | 0.16 | 25.6 | 4.84 |
| W844466 | | 2.49 | 0.32 | 0.33 | 14.4 | 560 | 0.28 | 0.02 | 19.65 | 2.81 | 7.98 | 3.5 | 14 | 0.15 | 7.8 | 1.12 |
| W844467 | | 2.68 | 0.34 | 0.44 | 12.7 | 1040 | 0.32 | 0.02 | 20.0 | 2.78 | 10.10 | 4.2 | 16 | 0.22 | 10.5 | 1.02 |
| W844468 | | 2.62 | 0.37 | 0.13 | 11.1 | 5090 | 0.28 | 0.07 | 20.3 | 2.50 | 2.96 | 2.2 | 8 | 0.08 | 6.4 | 0.72 |
| W844469 | | 2.98 | 0.31 | 0.28 | 7.5 | 1340 | 0.28 | 0.06 | 19.90 | 1.71 | 5.33 | 2.5 | 14 | 0.15 | 7.2 | 0.63 |

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

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Project: Rau


**Finalized Date: 23-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844430 | | 0.33 | 0.13 | <0.1 | 0.009 | 0.02 | 1.3 | 3.0 | 13.65 | 469 | 0.99 | 0.02 | 0.2 | 1.7 | 240 | 109.0 |
| W844431 | | 0.72 | 0.13 | 0.1 | 0.019 | 0.02 | 1.9 | 2.9 | 13.65 | 566 | 1.17 | 0.02 | 0.3 | 2.4 | 560 | 95.3 |
| W844432 | | 0.23 | 0.16 | <0.1 | 0.010 | 0.01 | 1.3 | 2.7 | 13.90 | 516 | 1.19 | 0.02 | 0.2 | 1.6 | 160 | 111.0 |
| W844433 | | 0.36 | 0.20 | <0.1 | 0.005 | 0.02 | 1.3 | 2.8 | 13.70 | 412 | 1.28 | 0.02 | 0.2 | 1.6 | 260 | 110.0 |
| W844434 | | 11.55 | 0.14 | 1.5 | 0.060 | 2.06 | 32.7 | 8.2 | 6.80 | 583 | 5.42 | 0.09 | 21.0 | 92.2 | 3580 | 307 |
| W844435 | | 9.73 | 0.11 | 1.2 | 0.048 | 1.62 | 27.8 | 6.7 | 8.31 | 566 | 5.46 | 0.07 | 17.2 | 74.2 | 3030 | 308 |
| W844436 | | 1.56 | 0.07 | 0.3 | 0.022 | 0.23 | 7.6 | 3.2 | 12.35 | 347 | 8.08 | 0.01 | 2.9 | 36.3 | 3050 | 1070 |
| W844437 | | 1.31 | 0.06 | 0.2 | 0.016 | 0.14 | 6.0 | 2.3 | 7.80 | 184 | 10.85 | 0.02 | 1.1 | 51.8 | 3250 | 583 |
| W844438 | | 0.90 | 0.05 | 0.1 | 0.041 | 0.09 | 5.1 | 2.8 | 12.80 | 236 | 6.65 | 0.02 | 0.8 | 40.8 | 3290 | 479 |
| W844439 | | 0.59 | 0.07 | 0.1 | 0.026 | 0.06 | 3.9 | 2.5 | 13.85 | 274 | 3.90 | 0.01 | 0.7 | 30.9 | 2050 | 377 |
| W844440 | | 0.26 | 0.10 | <0.1 | 0.008 | 0.02 | 2.4 | 2.0 | 13.95 | 257 | 1.87 | 0.01 | 0.2 | 15.3 | 990 | 149.0 |
| W844441 | | 0.38 | 0.10 | <0.1 | 0.022 | 0.04 | 2.9 | 2.2 | 13.80 | 294 | 2.48 | 0.01 | 0.4 | 18.5 | 1310 | 169.5 |
| W844442 | | 0.56 | 0.07 | 0.1 | 0.021 | 0.06 | 4.3 | 2.5 | 13.70 | 314 | 2.24 | 0.01 | 0.8 | 16.7 | 1920 | 231 |
| W844443 | | 9.98 | 0.14 | 2.8 | 0.030 | 2.11 | 33.4 | 8.0 | 8.30 | 219 | 10.05 | 0.05 | 16.0 | 131.5 | 7520 | 128.0 |
| W844444 | | 4.98 | 0.09 | 1.0 | 0.057 | 0.56 | 20.0 | 3.7 | 11.40 | 255 | 18.55 | 0.02 | 5.3 | 120.5 | 8320 | 133.5 |
| W844445 | | 3.84 | 0.06 | 0.8 | 0.013 | 0.44 | 14.7 | 3.0 | 11.80 | 216 | 3.88 | 0.02 | 4.7 | 67.8 | 9400 | 140.0 |
| W844446 | | 0.47 | 0.13 | 0.1 | 0.008 | 0.06 | 2.9 | 1.8 | 13.30 | 257 | 1.42 | 0.01 | 0.6 | 14.8 | 1070 | 52.9 |
| W844447 | | 9.49 | 0.11 | 2.1 | 0.029 | 1.65 | 18.4 | 8.6 | 8.48 | 311 | 10.80 | 0.04 | 10.8 | 54.0 | 2610 | 276 |
| W844448 | | 1.18 | 0.05 | 0.3 | 0.030 | 0.19 | 4.6 | 2.1 | 12.20 | 304 | 3.27 | 0.01 | 1.5 | 43.8 | 1450 | 104.0 |
| W844449 | | 8.53 | 0.08 | 1.7 | 0.029 | 1.51 | 26.4 | 10.4 | 9.45 | 234 | 4.06 | 0.04 | 14.3 | 98.5 | 5340 | 163.0 |
| W844450 | | 24.2 | 0.19 | 1.9 | 0.089 | 4.02 | 51.9 | 26.5 | 3.69 | 421 | 3.46 | 0.06 | 24.2 | 208 | 3450 | 252 |
| W844451 | | 24.6 | 0.19 | 1.6 | 0.121 | 4.25 | 52.6 | 23.4 | 2.36 | 363 | 4.60 | 0.06 | 17.5 | 209 | 3490 | 567 |
| W844452 | | 15.30 | 0.13 | 0.8 | 0.069 | 2.68 | 36.3 | 15.0 | 5.40 | 715 | 3.38 | 0.04 | 15.5 | 161.0 | 2740 | 574 |
| W844453 | | 26.5 | 0.17 | 1.1 | 0.113 | 4.35 | 51.7 | 20.3 | 2.20 | 244 | 4.86 | 0.06 | 17.5 | 131.0 | 3000 | 604 |
| W844454 | | 26.6 | 0.20 | 0.5 | 0.174 | 4.18 | 61.9 | 17.5 | 1.27 | 177 | 5.49 | 0.05 | 11.3 | 181.0 | 5560 | 687 |
| W844455 | | 28.1 | 0.18 | 1.0 | 0.120 | 4.85 | 65.0 | 18.7 | 1.23 | 105 | 4.78 | 0.06 | 17.1 | 90.3 | 2760 | 680 |
| W844456 | | 20.3 | 0.18 | 1.4 | 0.108 | 3.60 | 50.5 | 15.8 | 4.07 | 471 | 4.67 | 0.04 | 33.2 | 185.0 | 3830 | 343 |
| W844457 | | 23.5 | 0.17 | 2.7 | 0.122 | 3.91 | 55.6 | 11.2 | 1.77 | 358 | 4.41 | 0.08 | 23.5 | 149.0 | 3700 | 148.0 |
| W844458 | | 22.0 | 0.17 | 1.6 | 0.086 | 3.67 | 44.2 | 13.9 | 3.17 | 571 | 3.18 | 0.05 | 37.8 | 120.0 | 2840 | 138.0 |
| W844459 | | 20.8 | 0.16 | 1.3 | 0.086 | 3.33 | 41.2 | 11.8 | 5.18 | 710 | 2.55 | 0.05 | 32.4 | 95.6 | 2580 | 90.2 |
| W844460 | | 22.0 | 0.16 | 2.3 | 0.142 | 4.17 | 48.2 | 12.9 | 2.54 | 386 | 4.11 | 0.07 | 30.9 | 136.5 | 3620 | 152.0 |
| W844461 | | 14.35 | 0.18 | 3.3 | 0.114 | 2.21 | 61.9 | 8.8 | 3.93 | 211 | 9.56 | 0.04 | 6.4 | 174.0 | >10000 | 147.5 |
| W844462 | | 13.80 | 0.14 | 3.1 | 0.062 | 2.15 | 35.6 | 9.2 | 6.16 | 233 | 23.8 | 0.04 | 16.4 | 194.0 | 8040 | 122.0 |
| W844463 | | 3.52 | 0.07 | 0.8 | 0.017 | 0.55 | 13.1 | 3.3 | 11.55 | 228 | 8.24 | 0.02 | 5.7 | 72.3 | 4730 | 81.0 |
| W844464 | | 1.26 | 0.06 | 0.3 | 0.016 | 0.18 | 6.1 | 2.3 | 12.50 | 205 | 4.07 | 0.01 | 2.3 | 21.2 | 2580 | 82.4 |
| W844465 | | 0.94 | 0.05 | 0.2 | 0.009 | 0.15 | 4.9 | 2.2 | 11.25 | 233 | 7.25 | 0.01 | 1.4 | 46.5 | 2520 | 331 |
| W844466 | | 0.94 | <0.05 | 0.3 | 0.010 | 0.16 | 4.8 | 2.0 | 12.25 | 251 | 3.36 | 0.01 | 1.9 | 19.0 | 1690 | 102.0 |
| W844467 | | 1.43 | <0.05 | 0.3 | 0.016 | 0.23 | 5.7 | 2.9 | 12.50 | 277 | 2.87 | 0.01 | 2.7 | 21.0 | 1370 | 82.3 |
| W844468 | | 0.44 | 0.06 | 0.2 | 0.034 | 0.06 | 1.7 | 1.8 | 12.85 | 301 | 1.81 | 0.01 | 0.8 | 11.2 | 180 | 82.0 |
| W844469 | | 0.88 | 0.09 | 0.2 | 0.019 | 0.14 | 3.0 | 2.4 | 12.60 | 272 | 1.80 | 0.01 | 1.7 | 11.8 | 380 | 52.5 |

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

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**Finalized Date: 23-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844430 | | 0.9 | <0.002 | <0.01 | 1.23 | 0.2 | 1 | 0.2 | 60.2 | <0.05 | <0.05 | 0.12 | <0.005 | 0.05 | 1.5 | 9 |
| W844431 | | 0.9 | <0.002 | <0.01 | 1.46 | 0.4 | 1 | 0.3 | 70.2 | <0.05 | <0.05 | 0.21 | 0.005 | 0.06 | 1.7 | 11 |
| W844432 | | 0.7 | <0.002 | <0.01 | 1.36 | 0.3 | 1 | 0.2 | 60.9 | <0.05 | <0.05 | 0.09 | <0.005 | 0.05 | 1.3 | 7 |
| W844433 | | 0.8 | <0.002 | <0.01 | 1.28 | 0.2 | 1 | 0.2 | 61.2 | <0.05 | <0.05 | 0.13 | <0.005 | 0.05 | 1.9 | 7 |
| W844434 | | 39.0 | <0.002 | 0.09 | 8.01 | 13.0 | 2 | 2.5 | 104.0 | 1.29 | <0.05 | 3.94 | 0.535 | 0.87 | 10.4 | 145 |
| W844435 | | 29.6 | <0.002 | 0.03 | 6.82 | 10.9 | 1 | 1.7 | 80.1 | 1.01 | <0.05 | 3.29 | 0.441 | 0.72 | 9.6 | 119 |
| W844436 | | 5.2 | 0.003 | 0.09 | 8.75 | 1.8 | 2 | 0.4 | 77.2 | 0.17 | <0.05 | 0.53 | 0.072 | 0.11 | 16.7 | 48 |
| W844437 | | 3.9 | 0.006 | 0.05 | 9.86 | 0.9 | 3 | 0.4 | 60.1 | 0.05 | 0.05 | 0.40 | 0.026 | 0.10 | 15.1 | 82 |
| W844438 | | 2.9 | 0.005 | 0.04 | 8.31 | 0.7 | 2 | 0.4 | 81.4 | <0.05 | <0.05 | 0.38 | 0.015 | 0.07 | 21.4 | 83 |
| W844439 | | 1.7 | <0.002 | 0.01 | 7.31 | 1.1 | 1 | 0.2 | 82.2 | <0.05 | <0.05 | 0.19 | 0.016 | 0.04 | 11.7 | 34 |
| W844440 | | 0.7 | <0.002 | <0.01 | 2.86 | 0.7 | 1 | <0.2 | 73.0 | <0.05 | <0.05 | 0.13 | 0.005 | 0.03 | 6.5 | 20 |
| W844441 | | 1.0 | <0.002 | 0.01 | 3.09 | 0.6 | 1 | <0.2 | 81.0 | <0.05 | <0.05 | 0.11 | 0.009 | 0.04 | 8.0 | 27 |
| W844442 | | 1.7 | <0.002 | 0.01 | 3.21 | 0.7 | 2 | <0.2 | 90.3 | <0.05 | <0.05 | 0.15 | 0.018 | 0.10 | 10.8 | 28 |
| W844443 | | 43.4 | 0.003 | 0.01 | 7.62 | 10.4 | 8 | 1.0 | 74.9 | 1.05 | 0.06 | 3.68 | 0.441 | 0.85 | 17.0 | 149 |
| W844444 | | 14.2 | 0.022 | 0.01 | 6.33 | 3.6 | 3 | 0.8 | 115.5 | 0.34 | 0.05 | 1.27 | 0.132 | 0.35 | 37.4 | 184 |
| W844445 | | 10.6 | 0.003 | 0.01 | 3.56 | 2.8 | 2 | 0.4 | 105.5 | 0.28 | <0.05 | 0.90 | 0.117 | 0.26 | 20.3 | 63 |
| W844446 | | 1.4 | <0.002 | <0.01 | 2.12 | 0.7 | 1 | 0.3 | 88.7 | <0.05 | <0.05 | 0.11 | 0.017 | 0.05 | 5.1 | 22 |
| W844447 | | 33.1 | <0.002 | 0.32 | 11.80 | 9.1 | 11 | 5.2 | 99.8 | 0.65 | 0.09 | 2.94 | 0.308 | 1.52 | 9.6 | 169 |
| W844448 | | 4.0 | <0.002 | 0.03 | 5.22 | 1.9 | 5 | 4.9 | 91.4 | 0.10 | <0.05 | 0.44 | 0.043 | 0.24 | 7.9 | 38 |
| W844449 | | 29.2 | <0.002 | 0.05 | 5.82 | 11.0 | 5 | 8.5 | 98.5 | 0.90 | 0.06 | 2.35 | 0.411 | 0.65 | 27.2 | 129 |
| W844450 | | 72.7 | <0.002 | 0.08 | 6.45 | 31.1 | 3 | 2.6 | 109.5 | 1.64 | <0.05 | 5.84 | 0.736 | 1.37 | 6.0 | 276 |
| W844451 | | 76.2 | <0.002 | 0.34 | 12.10 | 30.1 | 4 | 2.2 | 111.5 | 1.17 | <0.05 | 5.54 | 0.572 | 1.41 | 6.1 | 279 |
| W844452 | | 46.4 | <0.002 | 0.22 | 10.75 | 18.7 | 2 | 1.8 | 157.0 | 0.99 | <0.05 | 3.53 | 0.505 | 0.84 | 4.6 | 178 |
| W844453 | | 83.6 | <0.002 | 0.15 | 16.20 | 29.3 | 1 | 2.2 | 89.3 | 1.18 | <0.05 | 5.52 | 0.558 | 1.75 | 4.9 | 283 |
| W844454 | | 79.6 | <0.002 | 0.14 | 33.4 | 28.5 | 2 | 1.9 | 145.5 | 0.82 | <0.05 | 5.87 | 0.381 | 1.64 | 12.2 | 248 |
| W844455 | | 84.5 | <0.002 | 0.39 | 29.7 | 28.0 | 1 | 2.3 | 221 | 1.14 | <0.05 | 5.31 | 0.558 | 1.73 | 5.2 | 304 |
| W844456 | | 62.8 | <0.002 | 0.18 | 10.95 | 23.8 | 3 | 3.1 | 104.5 | 2.24 | <0.05 | 5.08 | 1.015 | 1.13 | 7.1 | 246 |
| W844457 | | 68.2 | <0.002 | 0.11 | 6.49 | 21.6 | 1 | 2.0 | 74.9 | 1.56 | 0.07 | 6.93 | 0.640 | 1.63 | 6.1 | 193 |
| W844458 | | 64.8 | <0.002 | 0.16 | 10.70 | 21.9 | 2 | 2.1 | 68.4 | 2.47 | <0.05 | 5.92 | 1.045 | 1.13 | 3.0 | 233 |
| W844459 | | 59.6 | <0.002 | 0.26 | 6.44 | 23.0 | 2 | 2.0 | 99.6 | 2.15 | <0.05 | 4.89 | 0.917 | 0.98 | 2.5 | 226 |
| W844460 | | 71.5 | <0.002 | 0.10 | 12.30 | 24.8 | 1 | 2.4 | 47.4 | 2.08 | <0.05 | 5.53 | 0.951 | 1.46 | 4.1 | 268 |
| W844461 | | 47.5 | 0.003 | 0.07 | 10.90 | 12.7 | 5 | 0.7 | 88.2 | 0.64 | 0.18 | 5.39 | 0.379 | 1.35 | 26.3 | 176 |
| W844462 | | 49.0 | 0.002 | 0.07 | 11.15 | 13.4 | 7 | 1.8 | 77.9 | 1.04 | 0.11 | 4.19 | 0.396 | 1.36 | 22.3 | 174 |
| W844463 | | 11.9 | 0.002 | 0.04 | 5.22 | 3.6 | 2 | 0.5 | 98.6 | 0.35 | <0.05 | 1.14 | 0.149 | 0.40 | 19.1 | 65 |
| W844464 | | 4.3 | <0.002 | 0.01 | 2.35 | 1.5 | 1 | 0.3 | 90.5 | 0.14 | <0.05 | 0.43 | 0.054 | 0.13 | 16.3 | 32 |
| W844465 | | 3.3 | <0.002 | 0.04 | 8.15 | 1.3 | 8 | 0.2 | 64.4 | 0.10 | <0.05 | 0.34 | 0.037 | 0.19 | 17.2 | 29 |
| W844466 | | 3.4 | <0.002 | 0.02 | 2.85 | 1.3 | 1 | 0.2 | 69.4 | 0.10 | <0.05 | 0.35 | 0.051 | 0.29 | 11.2 | 30 |
| W844467 | | 4.8 | <0.002 | 0.02 | 2.67 | 1.7 | 1 | 0.2 | 72.3 | 0.16 | <0.05 | 0.53 | 0.069 | 0.21 | 8.5 | 29 |
| W844468 | | 1.4 | <0.002 | 0.13 | 3.69 | 0.6 | 1 | <0.2 | 71.7 | 0.05 | <0.05 | 0.14 | 0.022 | 0.25 | 1.6 | 14 |
| W844469 | | 2.9 | <0.002 | 0.03 | 1.95 | 1.1 | 1 | 0.2 | 61.8 | 0.10 | <0.05 | 0.28 | 0.047 | 0.12 | 2.1 | 20 |

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

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


**Finalized Date: 23-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844430 | | 0.4 | 1.4 | 233 | 1.3 | 0.007 |
| W844431 | | 0.6 | 2.3 | 223 | 2.8 | 0.005 |
| W844432 | | 0.5 | 1.5 | 230 | 1.1 | <0.005 |
| W844433 | | 0.5 | 1.3 | 219 | 1.5 | <0.005 |
| W844434 | | 2.2 | 15.5 | 520 | 62.4 | 0.043 |
| W844435 | | 1.7 | 12.6 | 498 | 47.9 | 0.032 |
| W844436 | | 2.1 | 10.9 | 1470 | 10.6 | 0.011 |
| W844437 | | 3.6 | 11.3 | 635 | 7.7 | 0.015 |
| W844438 | | 4.0 | 9.7 | 566 | 6.8 | 0.013 |
| W844439 | | 1.2 | 7.2 | 527 | 4.7 | 0.007 |
| W844440 | | 0.6 | 4.5 | 256 | 1.8 | <0.005 |
| W844441 | | 0.9 | 5.4 | 304 | 2.3 | <0.005 |
| W844442 | | 11.3 | 6.1 | 300 | 4.2 | 0.005 |
| W844443 | | 1.5 | 21.2 | 531 | 118.5 | 0.006 |
| W844444 | | 1.8 | 21.6 | 401 | 41.8 | 0.006 |
| W844445 | | 2.6 | 15.1 | 319 | 30.6 | <0.005 |
| W844446 | | 0.4 | 4.1 | 140 | 4.3 | <0.005 |
| W844447 | | 6.4 | 8.5 | 634 | 75.1 | 0.012 |
| W844448 | | 0.8 | 6.3 | 492 | 11.4 | 0.008 |
| W844449 | | 5.0 | 18.0 | 628 | 65.9 | 0.005 |
| W844450 | | 6.5 | 19.9 | 905 | 71.5 | <0.005 |
| W844451 | | 6.2 | 21.1 | 1270 | 64.3 | <0.005 |
| W844452 | | 4.2 | 15.7 | 1160 | 34.3 | <0.005 |
| W844453 | | 6.7 | 13.6 | 1690 | 47.8 | <0.005 |
| W844454 | | 5.0 | 21.3 | 3010 | 22.8 | 0.005 |
| W844455 | | 5.7 | 11.2 | 2160 | 46.8 | 0.005 |
| W844456 | | 4.7 | 20.0 | 1340 | 58.8 | <0.005 |
| W844457 | | 2.9 | 23.3 | 1300 | 113.0 | <0.005 |
| W844458 | | 24.5 | 16.6 | 1060 | 62.9 | <0.005 |
| W844459 | | 2.2 | 15.4 | 673 | 54.9 | <0.005 |
| W844460 | | 2.5 | 18.4 | 761 | 91.6 | 0.006 |
| W844461 | | 2.2 | 42.9 | 656 | 134.0 | 0.014 |
| W844462 | | 2.7 | 26.6 | 1140 | 126.0 | 0.011 |
| W844463 | | 2.7 | 13.3 | 591 | 35.2 | 0.006 |
| W844464 | | 2.2 | 7.4 | 278 | 12.4 | <0.005 |
| W844465 | | 1.6 | 6.3 | 1920 | 9.3 | 0.014 |
| W844466 | | 1.2 | 4.7 | 514 | 9.5 | <0.005 |
| W844467 | | 1.3 | 4.5 | 379 | 12.2 | <0.005 |
| W844468 | | 0.6 | 1.9 | 342 | 3.3 | <0.005 |
| W844469 | | 0.5 | 2.3 | 217 | 6.4 | <0.005 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 23-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844470 | | 2.69 | 0.35 | 0.22 | 9.3 | 600 | 0.22 | 0.28 | 20.4 | 2.72 | 4.17 | 2.3 | 11 | 0.11 | 6.3 | 0.71 |
| W844471 | | 2.78 | 0.24 | 0.22 | 6.7 | 1930 | 0.32 | 0.28 | 20.0 | 1.90 | 3.81 | 1.5 | 10 | 0.12 | 4.8 | 0.46 |
| W844472 | | 2.63 | 0.35 | 0.31 | 8.3 | 6180 | 0.37 | 0.21 | 20.0 | 2.85 | 4.82 | 2.6 | 12 | 0.16 | 5.8 | 0.80 |
| W844473 | | 2.75 | 0.39 | 0.22 | 8.2 | 3980 | 0.20 | 0.15 | 20.6 | 2.21 | 4.14 | 2.4 | 10 | 0.10 | 6.8 | 0.67 |
| W844474 | | 2.66 | 0.21 | 0.23 | 6.2 | 1970 | 0.31 | 0.14 | 20.5 | 1.64 | 3.64 | 1.7 | 8 | 0.10 | 4.4 | 0.45 |
| W844475 | | 2.47 | 0.20 | 0.22 | 7.4 | 920 | 0.31 | 0.10 | 20.6 | 1.32 | 3.78 | 1.7 | 11 | 0.11 | 5.1 | 0.44 |
| W844476 | | 2.60 | 0.26 | 0.20 | 7.1 | 510 | 0.26 | 0.10 | 19.85 | 1.05 | 3.60 | 1.6 | 9 | 0.10 | 9.0 | 0.43 |
| W844477 | | 2.63 | 0.23 | 0.22 | 6.0 | 540 | 0.29 | 0.04 | 19.80 | 0.99 | 4.27 | 2.0 | 10 | 0.12 | 6.5 | 0.47 |
| W844478 | | 2.68 | 0.24 | 0.46 | 6.4 | 900 | 0.38 | 0.15 | 20.0 | 1.56 | 7.09 | 2.0 | 12 | 0.19 | 5.8 | 0.61 |
| W844479 | | 2.92 | 0.47 | 0.51 | 10.6 | 1100 | 0.43 | 0.43 | 21.1 | 2.23 | 7.57 | 3.0 | 15 | 0.22 | 8.0 | 0.83 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 23-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844470 | | 0.68 | 0.07 | 0.1 | 0.008 | 0.11 | 2.3 | 2.1 | 12.75 | 371 | 1.87 | 0.01 | 1.2 | 13.3 | 320 | 105.5 |
| W844471 | | 0.78 | 0.13 | 0.1 | 0.006 | 0.11 | 2.2 | 2.5 | 12.75 | 324 | 1.26 | 0.01 | 1.2 | 9.5 | 350 | 77.4 |
| W844472 | | 1.02 | 0.09 | 0.2 | <0.005 | 0.14 | 2.7 | 2.6 | 12.60 | 362 | 1.97 | 0.01 | 1.5 | 16.9 | 620 | 141.0 |
| W844473 | | 0.72 | 0.10 | 0.1 | 0.014 | 0.11 | 2.3 | 2.0 | 13.10 | 314 | 1.67 | 0.01 | 1.2 | 12.4 | 300 | 76.3 |
| W844474 | | 0.72 | 0.15 | 0.1 | 0.006 | 0.10 | 2.1 | 2.2 | 13.15 | 348 | 1.35 | 0.01 | 1.0 | 8.9 | 360 | 70.1 |
| W844475 | | 0.72 | 0.16 | 0.1 | 0.006 | 0.11 | 2.2 | 2.2 | 13.10 | 346 | 1.39 | 0.01 | 1.3 | 9.3 | 310 | 55.3 |
| W844476 | | 0.63 | 0.14 | 0.1 | 0.006 | 0.10 | 2.1 | 2.3 | 12.55 | 339 | 1.24 | 0.01 | 1.1 | 8.2 | 340 | 50.6 |
| W844477 | | 0.76 | 0.17 | 0.1 | 0.008 | 0.11 | 2.5 | 2.2 | 12.40 | 460 | 1.22 | 0.01 | 1.5 | 9.5 | 310 | 48.4 |
| W844478 | | 1.54 | 0.12 | 0.2 | 0.007 | 0.22 | 3.5 | 3.3 | 12.40 | 417 | 1.33 | 0.02 | 2.1 | 10.1 | 1100 | 89.8 |
| W844479 | | 1.79 | 0.06 | 0.3 | 0.016 | 0.26 | 4.4 | 3.3 | 12.85 | 460 | 2.27 | 0.02 | 2.6 | 15.3 | 1400 | 131.5 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 23-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844470 | | 2.3 | <0.002 | 0.03 | 1.94 | 0.9 | 1 | <0.2 | 65.5 | 0.07 | <0.05 | 0.23 | 0.033 | 0.13 | 1.8 | 16 |
| W844471 | | 3.0 | <0.002 | 0.05 | 1.37 | 0.7 | 1 | <0.2 | 74.5 | 0.07 | <0.05 | 0.45 | 0.026 | 0.14 | 1.6 | 16 |
| W844472 | | 4.0 | <0.002 | 0.14 | 2.35 | 1.0 | 1 | 0.2 | 86.9 | 0.09 | <0.05 | 0.64 | 0.031 | 0.24 | 3.1 | 17 |
| W844473 | | 2.3 | <0.002 | 0.10 | 2.53 | 0.8 | 1 | <0.2 | 73.0 | 0.08 | <0.05 | 0.27 | 0.033 | 0.17 | 1.7 | 14 |
| W844474 | | 2.5 | <0.002 | 0.04 | 1.58 | 0.7 | 2 | <0.2 | 69.9 | 0.07 | <0.05 | 0.31 | 0.026 | 0.14 | 2.1 | 14 |
| W844475 | | 2.4 | <0.002 | 0.02 | 1.29 | 0.7 | 1 | <0.2 | 68.1 | 0.08 | <0.05 | 0.26 | 0.032 | 0.10 | 1.6 | 18 |
| W844476 | | 2.2 | <0.002 | 0.03 | 2.40 | 0.6 | 1 | <0.2 | 62.9 | 0.07 | <0.05 | 0.23 | 0.028 | 0.08 | 2.1 | 18 |
| W844477 | | 2.5 | <0.002 | 0.01 | 1.24 | 0.8 | 1 | <0.2 | 58.1 | 0.09 | <0.05 | 0.23 | 0.037 | 0.09 | 1.6 | 13 |
| W844478 | | 6.1 | <0.002 | 0.05 | 1.33 | 1.1 | 1 | 0.2 | 70.0 | 0.13 | <0.05 | 0.84 | 0.047 | 0.15 | 6.1 | 17 |
| W844479 | | 6.1 | <0.002 | 0.08 | 1.85 | 1.5 | 1 | 0.2 | 75.2 | 0.15 | <0.05 | 0.81 | 0.062 | 0.17 | 7.4 | 24 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 23-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227752

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844470 | | 0.5 | 2.0 | 392 | 5.1 | <0.005 |
| W844471 | | 0.6 | 2.0 | 262 | 5.8 | <0.005 |
| W844472 | | 0.8 | 2.9 | 489 | 7.9 | 0.005 |
| W844473 | | 0.5 | 2.1 | 322 | 4.9 | <0.005 |
| W844474 | | 0.6 | 2.1 | 237 | 5.1 | <0.005 |
| W844475 | | 0.5 | 1.9 | 195 | 5.4 | <0.005 |
| W844476 | | 0.6 | 1.9 | 200 | 4.4 | <0.005 |
| W844477 | | 0.5 | 1.8 | 230 | 5.0 | <0.005 |
| W844478 | | 0.7 | 2.8 | 341 | 10.9 | 0.006 |
| W844479 | | 1.0 | 3.5 | 443 | 11.6 | <0.005 |

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Project: Rau


**Finalized Date: 23-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227752

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

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**Finalized Date: 22-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227766

Project: Rau

P.O. No.: R20-B12

This report is for 73 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 22-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227766

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844480 | | 2.74 | 0.22 | 0.25 | 6.5 | 500 | 0.29 | 0.23 | 22.0 | 1.29 | 4.72 | 13.4 | 10 | 0.12 | 16.7 | 0.50 |
| W844481 | | 2.76 | 0.16 | 0.19 | 6.6 | 380 | 0.25 | 0.15 | 21.8 | 0.90 | 4.08 | 1.6 | 8 | 0.10 | 3.9 | 0.42 |
| W844482 | | 2.63 | 0.74 | 0.20 | 8.7 | 340 | 0.26 | 1.23 | 21.7 | 2.05 | 3.85 | 1.8 | 9 | 0.10 | 6.3 | 0.71 |
| W844483 | | 3.36 | 0.51 | 0.71 | 10.0 | 760 | 0.35 | 8.99 | 20.5 | 1.34 | 9.26 | 3.0 | 17 | 0.45 | 8.8 | 0.73 |
| W844484 | | 3.40 | 0.30 | 0.33 | 6.7 | 400 | 0.29 | 2.99 | 21.5 | 1.30 | 5.03 | 1.5 | 10 | 0.23 | 4.7 | 0.39 |
| W844485 | | 2.96 | 0.13 | 0.25 | 4.9 | 190 | 0.28 | 1.06 | 20.7 | 0.31 | 4.24 | 1.2 | 11 | 0.17 | 3.2 | 0.30 |
| W844486 | | 2.74 | 0.03 | 0.05 | 4.0 | 50 | 0.24 | 0.18 | 22.0 | 0.17 | 1.56 | 0.5 | 4 | 0.06 | 1.6 | 0.13 |
| W844487 | | 2.72 | 0.19 | 0.25 | 6.6 | 250 | 0.32 | 0.47 | 20.8 | 0.52 | 12.50 | 0.7 | 9 | 0.13 | 2.6 | 0.21 |
| W844488 | | 3.08 | 0.14 | 0.03 | 5.0 | 250 | 0.15 | 0.14 | 21.2 | 0.74 | 1.57 | 0.8 | 2 | <0.05 | 1.6 | 0.19 |
| W844489 | | 3.06 | 0.09 | 0.08 | 4.4 | 90 | 0.15 | 0.37 | 21.3 | 0.36 | 1.99 | 0.6 | 3 | 0.06 | 1.5 | 0.27 |
| W844490 | | 3.06 | 0.09 | 0.04 | 2.9 | 50 | 0.10 | 0.19 | 21.7 | 0.44 | 1.69 | 0.5 | 2 | <0.05 | 1.2 | 0.18 |
| W844491 | | 2.92 | 0.07 | 0.05 | 1.6 | 60 | 0.11 | 0.20 | 21.5 | 0.28 | 1.53 | 0.4 | 2 | <0.05 | 1.3 | 0.14 |
| W844492 | | 2.87 | 0.43 | 0.22 | 6.4 | 240 | 0.32 | 1.22 | 20.4 | 0.71 | 1.87 | 0.6 | 4 | 0.10 | 3.0 | 0.38 |
| W844493 | | 3.01 | 0.12 | 0.05 | 5.1 | 50 | 0.15 | 2.11 | 22.0 | 0.32 | 1.79 | 0.5 | 2 | 0.05 | 1.9 | 0.33 |
| W844494 | | 3.10 | 0.04 | 0.03 | 0.8 | 30 | 0.13 | 0.13 | 21.4 | 0.13 | 1.40 | 0.3 | 2 | <0.05 | 1.3 | 0.08 |
| W844495 | | 2.87 | 0.45 | 1.20 | 208 | 800 | 1.13 | 4.68 | 16.85 | 0.31 | 16.50 | 3.5 | 44 | 0.85 | 23.8 | 0.66 |
| W844496 | | 2.43 | 0.85 | 1.69 | 166.5 | 1000 | 1.79 | 7.06 | 13.80 | 0.33 | 19.00 | 5.8 | 72 | 1.66 | 49.7 | 1.28 |
| W844497 | | 3.13 | 0.09 | 0.07 | 9.1 | 70 | 0.19 | 0.30 | 22.4 | 0.49 | 1.84 | 0.5 | 4 | 0.07 | 2.1 | 0.18 |
| W844498 | | 3.24 | 0.06 | 0.03 | 3.9 | 60 | 0.19 | 0.10 | 21.2 | 0.94 | 1.38 | 0.4 | 2 | 0.06 | 1.2 | 0.14 |
| W844499 | | 2.98 | 2.41 | 0.04 | 10.6 | 1320 | 0.17 | 0.39 | 21.5 | 5.15 | 1.65 | 0.7 | 2 | 0.05 | 4.7 | 0.46 |
| W844500 | | 2.84 | 1.38 | 0.02 | 8.6 | 260 | 0.15 | 0.09 | 22.0 | 4.54 | 1.40 | 0.5 | 2 | <0.05 | 2.2 | 0.32 |
| W844501 | | 3.08 | 0.57 | 0.02 | 4.1 | 70 | 0.16 | 0.12 | 22.6 | 1.15 | 1.17 | 0.5 | 2 | 0.05 | 3.1 | 0.15 |
| W844502 | | 2.72 | 0.14 | 0.09 | 2.6 | 140 | 0.19 | 0.08 | 22.8 | 0.42 | 2.68 | 0.4 | 4 | 0.06 | 1.6 | 0.09 |
| W844503 | | 2.95 | 0.07 | 0.03 | 2.6 | 50 | 0.11 | 0.07 | 21.9 | 0.32 | 1.30 | 0.4 | 2 | <0.05 | 1.4 | 0.08 |
| W844504 | | 3.13 | 0.04 | 0.02 | 1.8 | 40 | 0.10 | 0.10 | 21.8 | 0.12 | 1.53 | 0.3 | 2 | <0.05 | 1.3 | 0.09 |
| W844505 | | 2.98 | 0.06 | 0.02 | 2.6 | 40 | 0.09 | 0.06 | 22.2 | 0.59 | 1.53 | 0.4 | 2 | <0.05 | 1.4 | 0.12 |
| W844506 | | 2.65 | 0.08 | 0.08 | 2.3 | 180 | 0.21 | 0.13 | 21.4 | 0.60 | 2.89 | 0.4 | 5 | 0.05 | 1.5 | 0.12 |
| W844507 | | 2.81 | 0.19 | 0.20 | 3.9 | 400 | 0.21 | 0.34 | 21.4 | 0.90 | 2.57 | 0.4 | 4 | 0.13 | 1.5 | 0.21 |
| W844508 | | 2.63 | 35.1 | 0.17 | 25.1 | 230 | 0.29 | 213 | 19.80 | 3.84 | 12.15 | 1.2 | 8 | 0.24 | 19.7 | 1.01 |
| W844509 | | 2.50 | 44.9 | 0.09 | 100.0 | 150 | 0.18 | 695 | 18.10 | 3.31 | 9.85 | 1.7 | 7 | 0.15 | 26.5 | 2.26 |
| W844510 | | 2.48 | 4.10 | 0.03 | 18.2 | 140 | 0.13 | 34.4 | 21.8 | 1.54 | 3.27 | 0.8 | 3 | 0.05 | 4.4 | 0.57 |
| W844511 | | 3.73 | 24.4 | 0.07 | 32.0 | 130 | 0.18 | 235 | 21.4 | 1.33 | 8.18 | 1.0 | 4 | 0.08 | 17.3 | 0.94 |
| W844512 | | 3.83 | 26.3 | 0.12 | 42.4 | 150 | 0.17 | 270 | 20.6 | 1.38 | 10.05 | 1.2 | 4 | 0.12 | 20.9 | 1.16 |
| W844513 | | 2.83 | 10.60 | 0.50 | 21.6 | 410 | 0.35 | 110.5 | 20.9 | 1.15 | 10.75 | 2.1 | 12 | 0.18 | 14.6 | 1.03 |
| W844514 | | 3.89 | 6.26 | 0.66 | 20.3 | 570 | 0.44 | 53.3 | 20.2 | 0.70 | 8.86 | 3.1 | 17 | 0.21 | 13.0 | 1.08 |
| W844515 | | 4.10 | 6.82 | 0.26 | 11.1 | 220 | 0.23 | 58.4 | 21.2 | 0.69 | 5.21 | 1.2 | 7 | 0.14 | 9.8 | 0.57 |
| W844516 | | 2.91 | 1.85 | 5.78 | 46.6 | 2500 | 1.35 | 28.1 | 9.18 | 2.80 | 71.9 | 34.9 | 196 | 3.77 | 69.8 | 5.30 |
| W844517 | | 2.73 | 1.44 | 4.00 | 34.8 | 1670 | 1.00 | 12.10 | 13.55 | 2.29 | 53.0 | 22.6 | 119 | 2.61 | 46.7 | 3.93 |
| W844518 | | 2.83 | 1.12 | 3.51 | 24.0 | 1720 | 0.92 | 32.5 | 15.25 | 2.05 | 44.7 | 19.4 | 107 | 2.23 | 39.0 | 3.24 |
| W844519 | | 3.61 | 0.62 | 0.57 | 9.4 | 1160 | 0.34 | 6.02 | 20.7 | 1.34 | 7.46 | 2.8 | 14 | 0.34 | 7.4 | 0.67 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 22-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227766

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844480 | | 0.92 | 0.07 | 0.2 | 0.011 | 0.13 | 2.9 | 2.7 | 13.45 | 399 | 1.27 | 0.02 | 1.3 | 9.4 | 650 | 72.7 |
| W844481 | | 0.74 | 0.09 | 0.1 | 0.014 | 0.10 | 2.5 | 2.3 | 13.50 | 369 | 1.21 | 0.01 | 1.0 | 7.5 | 470 | 55.4 |
| W844482 | | 0.72 | 0.07 | 0.1 | 0.014 | 0.10 | 2.3 | 2.3 | 13.50 | 345 | 1.49 | 0.01 | 1.2 | 10.0 | 280 | 133.5 |
| W844483 | | 2.23 | 0.06 | 0.3 | 0.038 | 0.30 | 5.4 | 3.9 | 12.35 | 450 | 0.87 | 0.07 | 3.3 | 12.0 | 480 | 106.0 |
| W844484 | | 1.10 | 0.07 | 0.2 | 0.030 | 0.13 | 2.9 | 2.6 | 13.15 | 449 | 0.71 | 0.04 | 1.3 | 7.3 | 300 | 51.2 |
| W844485 | | 0.97 | 0.14 | 0.1 | 0.018 | 0.10 | 2.5 | 2.4 | 12.80 | 353 | 0.60 | 0.03 | 1.1 | 4.6 | 250 | 19.9 |
| W844486 | | 0.28 | 0.19 | <0.1 | 0.011 | 0.02 | 1.1 | 1.7 | 13.55 | 306 | 0.27 | 0.02 | 0.2 | 2.2 | 60 | 8.0 |
| W844487 | | 1.18 | 0.20 | 0.2 | 0.015 | 0.12 | 11.2 | 1.9 | 12.80 | 289 | 0.86 | 0.01 | 1.8 | 6.1 | 250 | 22.9 |
| W844488 | | 0.20 | 0.08 | <0.1 | 0.045 | 0.01 | 1.1 | 1.8 | 13.20 | 639 | 1.12 | 0.01 | 0.1 | 4.3 | 70 | 53.7 |
| W844489 | | 0.44 | 0.14 | <0.1 | 0.023 | 0.04 | 1.2 | 2.0 | 13.00 | 497 | 0.63 | 0.01 | 0.2 | 3.2 | 290 | 22.1 |
| W844490 | | 0.28 | 0.17 | <0.1 | 0.020 | 0.02 | 1.0 | 2.0 | 13.40 | 470 | 0.67 | 0.01 | 0.1 | 2.2 | 40 | 14.9 |
| W844491 | | 0.36 | 0.21 | <0.1 | 0.014 | 0.02 | 0.9 | 2.0 | 13.40 | 311 | 0.42 | 0.01 | 0.1 | 1.7 | 60 | 15.5 |
| W844492 | | 1.23 | 0.15 | 0.1 | 0.013 | 0.11 | 1.2 | 2.4 | 12.60 | 394 | 1.26 | 0.01 | 0.3 | 3.2 | 150 | 61.7 |
| W844493 | | 0.38 | 0.20 | <0.1 | 0.010 | 0.02 | 1.1 | 1.9 | 13.45 | 278 | 0.82 | 0.01 | 0.2 | 2.6 | 140 | 19.3 |
| W844494 | | 0.29 | 0.23 | <0.1 | 0.007 | 0.01 | 0.9 | 1.7 | 13.35 | 164 | 0.28 | 0.01 | 0.1 | 1.0 | 90 | 6.5 |
| W844495 | | 5.69 | 0.17 | 0.8 | 0.017 | 0.60 | 12.1 | 4.7 | 9.97 | 258 | 14.30 | 0.02 | 4.9 | 145.5 | 2100 | 14.0 |
| W844496 | | 8.38 | 0.10 | 1.0 | 0.015 | 0.89 | 14.0 | 6.7 | 8.12 | 353 | 26.7 | 0.02 | 4.7 | 173.5 | 1750 | 13.1 |
| W844497 | | 0.42 | 0.16 | 0.1 | 0.014 | 0.03 | 1.2 | 1.9 | 13.85 | 367 | 1.04 | 0.01 | 0.3 | 6.6 | 170 | 20.5 |
| W844498 | | 0.23 | 0.22 | <0.1 | 0.009 | 0.01 | 0.9 | 1.3 | 13.20 | 382 | 0.60 | 0.01 | 0.1 | 2.1 | 60 | 47.6 |
| W844499 | | 0.31 | 0.20 | <0.1 | 0.009 | 0.02 | 1.1 | 1.4 | 13.55 | 332 | 2.25 | 0.01 | 0.1 | 5.2 | 90 | 432 |
| W844500 | | 0.22 | 0.23 | <0.1 | 0.010 | 0.01 | 0.9 | 1.3 | 13.60 | 425 | 1.53 | 0.01 | 0.1 | 4.6 | 50 | 257 |
| W844501 | | 0.24 | 0.25 | <0.1 | 0.011 | 0.01 | 0.7 | 1.8 | 14.05 | 283 | 0.77 | 0.01 | 0.1 | 2.6 | 70 | 64.7 |
| W844502 | | 0.41 | 0.24 | <0.1 | 0.006 | 0.04 | 1.6 | 2.0 | 14.15 | 226 | 0.49 | 0.01 | 0.2 | 1.7 | 400 | 18.2 |
| W844503 | | 0.23 | 0.26 | <0.1 | 0.008 | 0.01 | 0.9 | 1.9 | 13.70 | 213 | 0.46 | 0.01 | 0.1 | 1.5 | 150 | 14.0 |
| W844504 | | 0.23 | 0.26 | <0.1 | 0.012 | 0.01 | 1.1 | 1.7 | 13.45 | 193 | 0.43 | 0.01 | 0.1 | 1.4 | 200 | 7.1 |
| W844505 | | 0.19 | 0.27 | <0.1 | 0.007 | 0.01 | 1.0 | 1.8 | 13.65 | 251 | 0.53 | 0.01 | 0.1 | 1.5 | 140 | 24.1 |
| W844506 | | 0.41 | 0.29 | <0.1 | 0.007 | 0.04 | 1.6 | 2.2 | 13.15 | 244 | 0.72 | 0.01 | 0.3 | 1.7 | 150 | 24.2 |
| W844507 | | 0.81 | 0.27 | 0.1 | 0.010 | 0.10 | 1.4 | 2.1 | 13.25 | 222 | 0.96 | 0.01 | 0.6 | 2.4 | 240 | 59.1 |
| W844508 | | 0.91 | 0.14 | 0.1 | 0.052 | 0.08 | 8.3 | 2.0 | 12.05 | 908 | 3.47 | 0.01 | 0.6 | 8.0 | 920 | 471 |
| W844509 | | 0.55 | <0.05 | 0.1 | 0.082 | 0.04 | 6.6 | 1.9 | 10.95 | 983 | 7.21 | 0.01 | 0.4 | 13.3 | 570 | 425 |
| W844510 | | 0.22 | 0.09 | <0.1 | 0.023 | 0.01 | 2.0 | 2.1 | 13.35 | 711 | 2.23 | 0.01 | 0.1 | 4.9 | 100 | 112.5 |
| W844511 | | 0.44 | 0.06 | 0.1 | 0.059 | 0.03 | 5.4 | 2.3 | 13.15 | 877 | 3.48 | 0.01 | 0.2 | 7.4 | 270 | 325 |
| W844512 | | 0.64 | <0.05 | 0.1 | 0.068 | 0.04 | 6.6 | 2.2 | 12.70 | 854 | 3.69 | 0.01 | 0.4 | 8.6 | 640 | 388 |
| W844513 | | 2.39 | <0.05 | 0.3 | 0.032 | 0.18 | 6.3 | 3.6 | 12.60 | 605 | 2.68 | 0.03 | 2.8 | 10.6 | 1990 | 225 |
| W844514 | | 2.81 | <0.05 | 0.4 | 0.027 | 0.27 | 4.9 | 4.2 | 12.25 | 448 | 2.77 | 0.03 | 3.5 | 14.1 | 730 | 148.0 |
| W844515 | | 1.15 | 0.06 | 0.2 | 0.020 | 0.10 | 3.1 | 2.7 | 13.10 | 459 | 2.08 | 0.02 | 1.2 | 6.3 | 430 | 142.5 |
| W844516 | | 16.60 | 0.11 | 1.4 | 0.074 | 2.75 | 38.1 | 11.0 | 3.62 | 1230 | 1.90 | 0.15 | 28.5 | 107.5 | 2770 | 230 |
| W844517 | | 11.65 | 0.07 | 1.2 | 0.057 | 1.88 | 29.5 | 10.1 | 5.60 | 882 | 2.07 | 0.17 | 18.6 | 72.4 | 1790 | 269 |
| W844518 | | 10.00 | 0.07 | 0.9 | 0.048 | 1.65 | 24.1 | 8.6 | 7.64 | 878 | 1.52 | 0.13 | 16.6 | 58.9 | 1620 | 163.0 |
| W844519 | | 1.70 | <0.05 | 0.2 | 0.021 | 0.24 | 4.1 | 3.2 | 12.60 | 491 | 0.74 | 0.06 | 2.7 | 10.0 | 440 | 102.0 |

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

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**Finalized Date: 22-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227766

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844480 | | 2.8 | <0.002 | 0.05 | 1.04 | 0.9 | 1 | 0.2 | 65.0 | 0.07 | <0.05 | 0.31 | 0.034 | 0.09 | 3.7 | 14 |
| W844481 | | 2.1 | <0.002 | 0.04 | 0.93 | 0.8 | 1 | <0.2 | 66.5 | 0.06 | <0.05 | 0.21 | 0.027 | 0.07 | 3.2 | 13 |
| W844482 | | 2.2 | <0.002 | 0.07 | 1.76 | 1.0 | 1 | <0.2 | 71.8 | 0.07 | <0.05 | 0.22 | 0.030 | 0.07 | 1.7 | 12 |
| W844483 | | 9.0 | <0.002 | 0.02 | 1.71 | 1.9 | <1 | 0.3 | 87.2 | 0.18 | <0.05 | 0.87 | 0.077 | 0.15 | 2.2 | 28 |
| W844484 | | 4.3 | <0.002 | 0.01 | 1.23 | 1.0 | <1 | 0.2 | 78.9 | 0.08 | <0.05 | 0.45 | 0.031 | 0.09 | 1.8 | 17 |
| W844485 | | 3.3 | <0.002 | <0.01 | 0.67 | 0.8 | <1 | 0.2 | 83.3 | 0.06 | <0.05 | 0.39 | 0.025 | 0.10 | 1.5 | 13 |
| W844486 | | 0.7 | <0.002 | <0.01 | 0.34 | 0.2 | <1 | <0.2 | 73.3 | <0.05 | <0.05 | 0.07 | 0.005 | 0.03 | 0.6 | 6 |
| W844487 | | 4.0 | <0.002 | 0.01 | 0.75 | 0.6 | <1 | 0.3 | 68.6 | 0.10 | <0.05 | 0.47 | 0.040 | 0.13 | 1.8 | 18 |
| W844488 | | 0.5 | <0.002 | 0.01 | 0.62 | 0.4 | <1 | 0.2 | 67.0 | <0.05 | <0.05 | 0.06 | <0.005 | 0.13 | 0.5 | 7 |
| W844489 | | 1.4 | <0.002 | 0.02 | 0.28 | 0.4 | <1 | <0.2 | 66.8 | <0.05 | <0.05 | 0.16 | <0.005 | 0.03 | 0.9 | 9 |
| W844490 | | 0.7 | <0.002 | 0.01 | 0.20 | 0.3 | <1 | <0.2 | 70.1 | <0.05 | <0.05 | 0.06 | <0.005 | <0.02 | 0.4 | 7 |
| W844491 | | 0.8 | <0.002 | <0.01 | 0.25 | 0.2 | <1 | <0.2 | 64.7 | <0.05 | <0.05 | 0.07 | <0.005 | <0.02 | 0.5 | 6 |
| W844492 | | 4.2 | <0.002 | 0.05 | 0.48 | 0.3 | 1 | 0.2 | 68.2 | <0.05 | <0.05 | 0.17 | 0.006 | 0.05 | 1.1 | 11 |
| W844493 | | 1.0 | <0.002 | 0.05 | 0.36 | 0.2 | 1 | <0.2 | 62.9 | <0.05 | <0.05 | 0.10 | <0.005 | <0.02 | 0.6 | 6 |
| W844494 | | 0.5 | <0.002 | <0.01 | 0.14 | 0.1 | <1 | <0.2 | 61.5 | <0.05 | <0.05 | 0.06 | <0.005 | <0.02 | 0.6 | 5 |
| W844495 | | 23.0 | 0.009 | 0.03 | 2.78 | 2.5 | 2 | 1.5 | 70.6 | 0.28 | 0.10 | 1.60 | 0.125 | 0.43 | 8.6 | 407 |
| W844496 | | 35.0 | 0.020 | 0.07 | 4.29 | 3.2 | 7 | 2.1 | 62.1 | 0.29 | 0.19 | 2.72 | 0.098 | 0.78 | 12.8 | 710 |
| W844497 | | 1.3 | <0.002 | 0.01 | 0.28 | 0.3 | <1 | <0.2 | 66.3 | <0.05 | <0.05 | 0.13 | 0.006 | 0.03 | 1.2 | 22 |
| W844498 | | 0.5 | <0.002 | <0.01 | 0.17 | 0.2 | <1 | <0.2 | 64.6 | <0.05 | <0.05 | 0.06 | <0.005 | 0.02 | 0.7 | 7 |
| W844499 | | 0.6 | <0.002 | 0.04 | 2.28 | 0.2 | <1 | 0.2 | 72.3 | <0.05 | <0.05 | 0.07 | <0.005 | 0.02 | 1.3 | 10 |
| W844500 | | 0.3 | <0.002 | <0.01 | 1.56 | 0.2 | <1 | <0.2 | 67.8 | <0.05 | <0.05 | 0.03 | <0.005 | <0.02 | 0.8 | 7 |
| W844501 | | 0.4 | <0.002 | <0.01 | 0.65 | 0.1 | <1 | <0.2 | 64.5 | <0.05 | <0.05 | 0.04 | <0.005 | <0.02 | 0.6 | 8 |
| W844502 | | 1.3 | <0.002 | <0.01 | 0.31 | 0.3 | <1 | <0.2 | 79.7 | <0.05 | <0.05 | 0.16 | 0.005 | 0.03 | 3.4 | 8 |
| W844503 | | 0.4 | <0.002 | <0.01 | 0.20 | <0.1 | <1 | <0.2 | 71.2 | <0.05 | <0.05 | 0.05 | <0.005 | <0.02 | 1.7 | 7 |
| W844504 | | 0.3 | <0.002 | <0.01 | 0.20 | <0.1 | <1 | <0.2 | 80.9 | <0.05 | <0.05 | 0.05 | <0.005 | <0.02 | 2.2 | 8 |
| W844505 | | 0.3 | <0.002 | <0.01 | 0.23 | <0.1 | <1 | <0.2 | 72.2 | <0.05 | <0.05 | 0.05 | <0.005 | 0.02 | 1.6 | 8 |
| W844506 | | 1.2 | <0.002 | <0.01 | 0.25 | 0.2 | 1 | <0.2 | 107.0 | <0.05 | <0.05 | 0.20 | 0.005 | 0.04 | 1.6 | 10 |
| W844507 | | 3.7 | <0.002 | <0.01 | 0.51 | 0.4 | <1 | 0.3 | 76.9 | <0.05 | <0.05 | 0.38 | 0.011 | 0.05 | 1.5 | 11 |
| W844508 | | 3.1 | <0.002 | 0.03 | 5.32 | 0.5 | 2 | 0.3 | 92.2 | <0.05 | 0.11 | 0.55 | 0.012 | 0.16 | 4.4 | 30 |
| W844509 | | 1.6 | <0.002 | 0.04 | 11.70 | 0.3 | 2 | 0.3 | 85.9 | <0.05 | 0.34 | 0.45 | 0.007 | 0.10 | 3.8 | 22 |
| W844510 | | 0.4 | <0.002 | 0.01 | 1.70 | 0.2 | <1 | <0.2 | 71.6 | <0.05 | <0.05 | 0.10 | <0.005 | 0.12 | 0.9 | 8 |
| W844511 | | 1.1 | <0.002 | 0.01 | 4.49 | 0.3 | 1 | 0.2 | 78.1 | <0.05 | 0.15 | 0.27 | 0.005 | 0.07 | 2.1 | 14 |
| W844512 | | 1.6 | <0.002 | 0.01 | 5.60 | 0.5 | 1 | 0.2 | 74.2 | <0.05 | 0.15 | 0.38 | 0.009 | 0.08 | 3.8 | 16 |
| W844513 | | 6.5 | 0.002 | 0.05 | 3.00 | 1.3 | 1 | 0.8 | 77.3 | 0.14 | 0.09 | 0.91 | 0.052 | 0.13 | 9.5 | 23 |
| W844514 | | 8.6 | <0.002 | 0.03 | 2.03 | 2.1 | 1 | 0.9 | 72.7 | 0.19 | 0.09 | 0.95 | 0.071 | 0.17 | 3.9 | 23 |
| W844515 | | 3.4 | <0.002 | 0.03 | 1.61 | 0.8 | 1 | 0.4 | 66.7 | 0.07 | 0.06 | 0.44 | 0.023 | 0.10 | 2.4 | 20 |
| W844516 | | 56.9 | <0.002 | 0.05 | 6.01 | 17.9 | 2 | 5.4 | 66.7 | 1.57 | <0.05 | 4.90 | 0.830 | 0.71 | 3.5 | 201 |
| W844517 | | 43.3 | <0.002 | 0.04 | 4.24 | 12.4 | 1 | 3.1 | 124.5 | 1.11 | <0.05 | 3.96 | 0.507 | 0.50 | 3.2 | 131 |
| W844518 | | 37.2 | <0.002 | 0.04 | 3.93 | 10.4 | 1 | 1.4 | 94.3 | 0.95 | <0.05 | 3.20 | 0.451 | 0.45 | 2.8 | 118 |
| W844519 | | 6.5 | <0.002 | 0.03 | 1.39 | 1.8 | 1 | 0.5 | 78.4 | 0.15 | <0.05 | 0.69 | 0.072 | 0.12 | 1.9 | 23 |

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

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**Finalized Date: 22-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227766

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844480 | | 99.4 | 2.3 | 275 | 6.1 | <0.005 |
| W844481 | | 0.4 | 2.1 | 179 | 4.4 | <0.005 |
| W844482 | | 0.5 | 1.8 | 397 | 4.5 | 0.008 |
| W844483 | | 7.9 | 3.5 | 259 | 12.7 | 0.005 |
| W844484 | | 4.3 | 2.2 | 239 | 5.9 | <0.005 |
| W844485 | | 1.4 | 2.0 | 96 | 6.6 | <0.005 |
| W844486 | | 0.6 | 1.1 | 61 | 1.2 | <0.005 |
| W844487 | | 2.0 | 1.8 | 132 | 6.4 | <0.005 |
| W844488 | | 0.7 | 1.0 | 142 | 0.8 | <0.005 |
| W844489 | | 0.6 | 1.2 | 98 | 1.7 | <0.005 |
| W844490 | | 0.4 | 1.1 | 88 | 0.8 | <0.005 |
| W844491 | | 0.5 | 1.0 | 64 | 1.2 | <0.005 |
| W844492 | | 1.4 | 1.3 | 134 | 2.5 | <0.005 |
| W844493 | | 0.5 | 1.2 | 114 | 1.6 | 0.005 |
| W844494 | | 0.3 | 0.8 | 60 | 0.8 | <0.005 |
| W844495 | | 12.3 | 10.7 | 100 | 28.4 | 0.030 |
| W844496 | | 14.5 | 14.1 | 129 | 38.8 | 0.051 |
| W844497 | | 0.7 | 1.2 | 88 | 1.9 | <0.005 |
| W844498 | | 0.3 | 1.0 | 82 | 0.8 | <0.005 |
| W844499 | | 1.2 | 1.1 | 341 | 1.8 | 0.005 |
| W844500 | | 1.1 | 0.9 | 339 | 0.9 | 0.011 |
| W844501 | | 0.3 | 0.7 | 129 | 0.6 | <0.005 |
| W844502 | | 0.4 | 1.9 | 92 | 1.8 | <0.005 |
| W844503 | | 0.3 | 0.9 | 74 | 0.6 | <0.005 |
| W844504 | | 0.3 | 1.2 | 38 | 0.6 | <0.005 |
| W844505 | | 0.2 | 1.2 | 116 | 0.6 | <0.005 |
| W844506 | | 0.5 | 1.3 | 93 | 1.9 | 0.005 |
| W844507 | | 0.9 | 1.3 | 149 | 4.1 | <0.005 |
| W844508 | | 2.2 | 3.2 | 682 | 5.5 | <0.005 |
| W844509 | | 1.8 | 3.0 | 858 | 3.2 | 0.008 |
| W844510 | | 0.6 | 1.2 | 275 | 1.1 | 0.008 |
| W844511 | | 0.9 | 2.0 | 456 | 2.1 | 0.007 |
| W844512 | | 1.2 | 2.5 | 553 | 3.5 | 0.008 |
| W844513 | | 2.4 | 3.2 | 316 | 13.9 | 0.009 |
| W844514 | | 2.8 | 2.6 | 213 | 15.0 | 0.017 |
| W844515 | | 2.8 | 1.7 | 178 | 5.8 | 0.012 |
| W844516 | | 2.8 | 15.3 | 663 | 56.7 | 0.063 |
| W844517 | | 2.3 | 12.9 | 572 | 45.0 | 0.039 |
| W844518 | | 2.2 | 10.3 | 485 | 38.5 | 0.021 |
| W844519 | | 3.0 | 2.7 | 288 | 9.6 | 0.005 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 22-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227766

| Sample Description | Method | WEI-21 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| | Units | kg | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 | 0.01 |
| W844520 | | 3.47 | 0.77 | 0.83 | 11.0 | 1360 | 0.35 | 12.00 | 19.45 | 1.40 | 11.35 | 4.2 | 19 | 0.51 | 10.6 | 0.98 |
| W844521 | | 2.38 | 0.12 | 0.18 | 3.4 | 140 | 0.21 | 0.79 | 21.6 | 0.35 | 3.31 | 1.0 | 6 | 0.12 | 3.2 | 0.21 |
| W844522 | | 3.30 | 0.20 | 0.25 | 4.1 | 180 | 0.23 | 1.21 | 21.3 | 0.34 | 4.04 | 1.4 | 9 | 0.17 | 4.1 | 0.29 |
| W844523 | | 3.06 | 0.13 | 0.05 | 3.0 | 120 | 0.15 | 0.22 | 21.5 | 0.23 | 1.48 | 0.5 | 2 | <0.05 | 2.8 | 0.09 |
| W844524 | | 3.12 | 0.14 | 0.05 | 4.1 | 100 | 0.28 | 0.20 | 22.7 | 0.29 | 1.93 | 0.5 | 2 | <0.05 | 4.6 | 0.11 |
| W844525 | | 2.85 | 0.19 | 0.14 | 4.8 | 90 | 0.26 | 0.34 | 21.6 | 0.38 | 2.22 | 0.8 | 4 | 0.11 | 3.9 | 0.18 |
| W844526 | | 2.53 | 0.27 | 0.18 | 7.0 | 500 | 0.29 | 0.55 | 21.8 | 0.55 | 2.70 | 0.9 | 5 | 0.14 | 4.4 | 0.21 |
| W844527 | | 2.77 | 1.75 | 0.30 | 15.7 | 4910 | 0.48 | 0.99 | 21.1 | 1.47 | 5.43 | 1.1 | 8 | 0.19 | 11.3 | 0.53 |
| W844528 | | 2.52 | 22.5 | 0.10 | 111.0 | 1230 | 0.23 | 20.3 | 20.1 | 10.45 | 14.50 | 1.9 | 4 | 0.09 | 57.0 | 2.77 |
| W844529 | | 2.84 | 4.93 | 0.04 | 37.0 | 1380 | 0.12 | 10.45 | 19.60 | 3.90 | 4.25 | 1.0 | 2 | <0.05 | 26.3 | 0.92 |
| W844530 | | 2.52 | 2.95 | 0.02 | 17.1 | 490 | 0.11 | 5.92 | 21.7 | 1.50 | 2.60 | 0.6 | 2 | <0.05 | 10.6 | 0.47 |
| W844531 | | 2.65 | 1.62 | 0.01 | 10.2 | 300 | 0.10 | 2.80 | 19.85 | 3.01 | 1.51 | 0.7 | 2 | <0.05 | 6.4 | 0.35 |
| W844532 | | 2.80 | 1.11 | 0.01 | 6.2 | 230 | 0.08 | 2.63 | 21.5 | 1.00 | 1.69 | 0.5 | 2 | <0.05 | 5.1 | 0.25 |
| W844533 | | 2.83 | 0.61 | 0.01 | 6.4 | 150 | 0.05 | 1.21 | 21.8 | 1.05 | 1.28 | 0.5 | 2 | <0.05 | 4.4 | 0.20 |
| W844534 | | 2.45 | 0.89 | 0.13 | 23.6 | 280 | 0.14 | 1.17 | 14.40 | 3.09 | 1.24 | 0.9 | 6 | 0.09 | 4.5 | 0.50 |
| W844535 | | 2.81 | 0.31 | 0.03 | 4.6 | 90 | 0.13 | 0.59 | 21.9 | 0.86 | 1.15 | 0.5 | 2 | <0.05 | 3.1 | 0.15 |
| W844536 | | 2.79 | 0.26 | 0.02 | 8.9 | 100 | 0.13 | 0.53 | 21.9 | 0.70 | 1.08 | 0.5 | 2 | <0.05 | 2.2 | 0.17 |
| W844537 | | 2.77 | 0.67 | 0.01 | 5.5 | 100 | 0.13 | 0.64 | 21.9 | 1.51 | 0.98 | 1.0 | 2 | <0.05 | 4.4 | 0.23 |
| W844538 | | 2.76 | 0.97 | 0.11 | 5.3 | 160 | 0.30 | 0.65 | 22.1 | 2.67 | 2.25 | 1.1 | 2 | 0.07 | 3.6 | 0.30 |
| W844539 | | 3.16 | 0.36 | 0.16 | 4.4 | 160 | 0.23 | 0.65 | 22.3 | 0.82 | 1.78 | 0.6 | 3 | 0.06 | 4.3 | 0.23 |
| W844540 | | 2.85 | 0.23 | 0.03 | 2.4 | 90 | 0.13 | 0.54 | 21.5 | 0.35 | 1.22 | 0.4 | 2 | <0.05 | 2.5 | 0.12 |
| W844541 | | 2.72 | 0.24 | 0.02 | 5.5 | 60 | 0.18 | 0.30 | 21.2 | 0.59 | 1.24 | 0.6 | 2 | <0.05 | 1.8 | 0.11 |
| W844542 | | 2.55 | 0.24 | 0.17 | 4.5 | 140 | 0.29 | 0.32 | 22.0 | 1.04 | 2.72 | 0.5 | 8 | 0.07 | 2.3 | 0.23 |
| W844543 | | 2.50 | 0.22 | 0.05 | 5.8 | 80 | 0.18 | 0.61 | 21.7 | 0.47 | 1.60 | 0.5 | 3 | <0.05 | 2.1 | 0.16 |
| W844544 | | 2.64 | 0.11 | 0.02 | 4.0 | 30 | 0.17 | 0.17 | 22.0 | 0.24 | 1.38 | 0.3 | 2 | <0.05 | 2.0 | 0.14 |
| W844545 | | 2.73 | 0.21 | 0.05 | 4.6 | 70 | 0.20 | 0.25 | 21.9 | 0.50 | 1.99 | 0.4 | 3 | <0.05 | 2.1 | 0.22 |
| W844546 | | 2.72 | 0.15 | 0.02 | 8.0 | 110 | 0.19 | 0.18 | 22.3 | 0.85 | 1.34 | 0.4 | 2 | <0.05 | 1.5 | 0.15 |
| W844547 | | 2.70 | 0.12 | 0.01 | 10.0 | 30 | 0.15 | 0.12 | 21.4 | 0.70 | 1.08 | 0.4 | 2 | <0.05 | 1.6 | 0.18 |
| W844548 | | 2.48 | 0.09 | 0.01 | 7.7 | 30 | 0.13 | 0.13 | 21.8 | 0.48 | 0.95 | 0.4 | 2 | <0.05 | 1.3 | 0.21 |
| W844549 | | 2.47 | 0.30 | 0.04 | 14.7 | 50 | 0.16 | 0.46 | 21.6 | 0.63 | 1.35 | 0.4 | 3 | <0.05 | 1.7 | 0.26 |
| W844550 | | 2.55 | 0.06 | 0.02 | 1.9 | 30 | 0.11 | 0.11 | 13.45 | 0.09 | 0.74 | 0.5 | 5 | <0.05 | 1.7 | 0.24 |
| W844551 | | 2.43 | 0.11 | 0.02 | 3.5 | 40 | 0.15 | 0.10 | 15.85 | 0.16 | 0.77 | 0.6 | 5 | <0.05 | 2.3 | 0.32 |
| W844552 | | 2.76 | 0.90 | 0.03 | 6.7 | 160 | 0.17 | 0.17 | 20.2 | 1.10 | 1.16 | 0.6 | 3 | <0.05 | 3.4 | 0.25 |

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**Finalized Date: 22-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227766

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P | Pb |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOD | 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 | 0.5 |
| W844520 | | 2.50 | 0.05 | 0.3 | 0.020 | 0.34 | 6.3 | 3.8 | 11.55 | 530 | 0.80 | 0.08 | 4.0 | 14.8 | 490 | 123.0 |
| W844521 | | 0.61 | 0.15 | 0.1 | 0.006 | 0.08 | 2.2 | 2.1 | 13.25 | 271 | 0.34 | 0.02 | 0.8 | 3.6 | 180 | 18.3 |
| W844522 | | 0.89 | 0.17 | 0.1 | 0.009 | 0.10 | 2.6 | 2.3 | 13.00 | 281 | 0.40 | 0.03 | 1.1 | 5.0 | 230 | 22.5 |
| W844523 | | 0.27 | 0.24 | <0.1 | 0.009 | 0.02 | 1.1 | 1.8 | 13.20 | 220 | 0.23 | 0.01 | 0.2 | 1.7 | 140 | 10.2 |
| W844524 | | 0.26 | 0.18 | <0.1 | 0.013 | 0.02 | 1.4 | 1.9 | 13.70 | 259 | 0.36 | 0.02 | 0.2 | 1.8 | 170 | 16.5 |
| W844525 | | 0.54 | 0.24 | 0.1 | 0.012 | 0.05 | 1.5 | 2.2 | 13.35 | 254 | 0.45 | 0.03 | 0.4 | 3.4 | 310 | 22.2 |
| W844526 | | 0.68 | 0.23 | 0.1 | 0.015 | 0.07 | 1.8 | 2.3 | 13.35 | 344 | 0.56 | 0.03 | 0.5 | 5.0 | 180 | 31.5 |
| W844527 | | 1.27 | 0.16 | 0.2 | 0.050 | 0.14 | 4.1 | 3.2 | 12.90 | 410 | 1.94 | 0.01 | 1.4 | 9.7 | 510 | 191.5 |
| W844528 | | 0.66 | <0.05 | <0.1 | 0.066 | 0.04 | 9.4 | 2.2 | 12.30 | 1370 | 3.81 | 0.02 | 0.2 | 14.4 | 140 | 781 |
| W844529 | | 0.29 | <0.05 | <0.1 | 0.040 | 0.01 | 2.7 | 1.5 | 11.95 | 900 | 1.74 | 0.02 | <0.1 | 7.1 | 30 | 369 |
| W844530 | | 0.18 | 0.10 | <0.1 | 0.030 | 0.01 | 1.7 | 1.8 | 13.35 | 646 | 0.98 | 0.01 | <0.1 | 3.5 | 40 | 171.5 |
| W844531 | | 0.16 | 0.16 | <0.1 | 0.014 | <0.01 | 1.0 | 1.4 | 12.20 | 700 | 0.91 | 0.01 | <0.1 | 4.0 | 20 | 118.0 |
| W844532 | | 0.16 | 0.21 | <0.1 | 0.013 | <0.01 | 1.1 | 1.5 | 13.20 | 412 | 0.62 | 0.01 | <0.1 | 2.2 | 40 | 75.6 |
| W844533 | | 0.18 | 0.22 | <0.1 | 0.010 | <0.01 | 0.8 | 1.9 | 13.55 | 413 | 0.71 | 0.01 | <0.1 | 2.7 | 20 | 58.7 |
| W844534 | | 0.69 | 0.07 | <0.1 | 0.023 | 0.06 | 0.7 | 2.8 | 8.50 | 1250 | 1.80 | 0.01 | 0.4 | 7.7 | 50 | 148.0 |
| W844535 | | 0.25 | 0.26 | <0.1 | 0.008 | 0.01 | 0.8 | 1.5 | 13.50 | 349 | 0.56 | 0.01 | 0.2 | 2.3 | 90 | 48.0 |
| W844536 | | 0.21 | 0.27 | <0.1 | 0.019 | 0.01 | 0.7 | 1.5 | 13.50 | 408 | 0.55 | 0.01 | 0.1 | 2.5 | 20 | 42.0 |
| W844537 | | 0.19 | 0.30 | <0.1 | 0.015 | <0.01 | 0.7 | 1.5 | 13.45 | 577 | 0.81 | 0.01 | <0.1 | 3.0 | 30 | 174.5 |
| W844538 | | 0.60 | 0.24 | 0.1 | 0.035 | 0.05 | 1.5 | 1.7 | 13.35 | 746 | 1.00 | 0.01 | 0.4 | 4.3 | 330 | 210 |
| W844539 | | 0.73 | 0.30 | 0.1 | 0.013 | 0.07 | 1.0 | 1.6 | 13.75 | 355 | 0.57 | 0.01 | 0.5 | 3.6 | 330 | 49.8 |
| W844540 | | 0.27 | 0.33 | <0.1 | 0.010 | 0.01 | 0.7 | 1.6 | 13.45 | 236 | 0.47 | 0.01 | 0.1 | 1.5 | 40 | 25.9 |
| W844541 | | 0.22 | 0.28 | <0.1 | 0.010 | 0.01 | 0.8 | 1.5 | 13.20 | 372 | 0.43 | 0.01 | 0.1 | 1.7 | 60 | 43.3 |
| W844542 | | 0.87 | 0.29 | 0.1 | 0.013 | 0.08 | 1.6 | 1.6 | 13.45 | 387 | 0.76 | 0.01 | 0.8 | 3.4 | 450 | 65.2 |
| W844543 | | 0.34 | 0.31 | <0.1 | 0.011 | 0.02 | 1.0 | 1.6 | 13.35 | 365 | 0.49 | 0.01 | 0.2 | 2.0 | 200 | 31.3 |
| W844544 | | 0.24 | 0.35 | <0.1 | 0.007 | 0.01 | 0.9 | 1.5 | 13.65 | 280 | 0.41 | 0.01 | 0.1 | 1.8 | 240 | 20.8 |
| W844545 | | 0.37 | 0.33 | <0.1 | 0.008 | 0.02 | 1.2 | 1.6 | 13.50 | 258 | 0.55 | 0.01 | 0.2 | 2.1 | 630 | 36.3 |
| W844546 | | 0.23 | 0.35 | <0.1 | 0.014 | 0.01 | 0.9 | 1.6 | 13.90 | 465 | 0.52 | 0.01 | <0.1 | 2.4 | 50 | 29.6 |
| W844547 | | 0.21 | 0.31 | <0.1 | 0.008 | <0.01 | 0.7 | 1.6 | 13.25 | 293 | 0.48 | 0.01 | <0.1 | 2.9 | 60 | 35.6 |
| W844548 | | 0.18 | 0.33 | <0.1 | 0.009 | <0.01 | 0.6 | 1.5 | 13.55 | 265 | 0.47 | 0.01 | <0.1 | 2.5 | 20 | 22.8 |
| W844549 | | 0.34 | 0.35 | <0.1 | 0.012 | 0.02 | 0.9 | 1.6 | 13.45 | 321 | 0.62 | 0.01 | 0.1 | 4.0 | 170 | 44.0 |
| W844550 | | 0.39 | 0.16 | <0.1 | 0.005 | 0.01 | 0.5 | 1.0 | 8.32 | 165 | 1.08 | 0.01 | 0.1 | 1.7 | 20 | 7.4 |
| W844551 | | 0.28 | 0.20 | <0.1 | 0.007 | 0.01 | 0.5 | 1.0 | 9.80 | 200 | 1.07 | 0.01 | <0.1 | 1.9 | 20 | 8.9 |
| W844552 | | 0.25 | 0.25 | <0.1 | 0.008 | 0.01 | 0.7 | 1.4 | 12.60 | 307 | 1.12 | 0.01 | 0.1 | 3.2 | 60 | 140.0 |

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Project: Rau


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# CERTIFICATE OF ANALYSIS WH20227766

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U | V |
| | Units | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| W844520 | | 9.4 | <0.002 | 0.04 | 1.57 | 2.5 | <1 | 0.4 | 85.0 | 0.21 | <0.05 | 1.03 | 0.104 | 0.16 | 1.8 | 29 |
| W844521 | | 2.2 | <0.002 | <0.01 | 0.61 | 0.7 | 1 | <0.2 | 50.1 | 0.05 | <0.05 | 0.25 | 0.021 | 0.05 | 1.2 | 14 |
| W844522 | | 2.9 | <0.002 | 0.01 | 0.75 | 0.9 | <1 | 0.2 | 50.1 | 0.06 | <0.05 | 0.31 | 0.030 | 0.06 | 1.3 | 17 |
| W844523 | | 0.6 | <0.002 | 0.01 | 1.41 | 0.3 | <1 | <0.2 | 44.7 | <0.05 | <0.05 | 0.06 | 0.005 | 0.03 | 0.8 | 5 |
| W844524 | | 0.6 | <0.002 | 0.01 | 1.31 | 0.4 | 1 | <0.2 | 57.8 | <0.05 | <0.05 | 0.07 | <0.005 | 0.03 | 1.0 | 7 |
| W844525 | | 1.9 | <0.002 | 0.01 | 1.40 | 0.5 | <1 | <0.2 | 63.5 | <0.05 | <0.05 | 0.16 | 0.010 | 0.06 | 1.5 | 12 |
| W844526 | | 2.3 | <0.002 | 0.01 | 1.38 | 0.6 | 1 | 0.2 | 70.7 | <0.05 | <0.05 | 0.24 | 0.013 | 0.10 | 1.1 | 17 |
| W844527 | | 4.7 | <0.002 | 0.14 | 3.48 | 0.8 | 1 | 0.9 | 110.0 | 0.08 | 0.06 | 0.45 | 0.029 | 0.15 | 2.8 | 49 |
| W844528 | | 1.4 | <0.002 | 0.30 | 30.8 | 0.5 | 2 | 0.3 | 190.5 | <0.05 | <0.05 | 0.37 | <0.005 | 0.33 | 2.4 | 19 |
| W844529 | | 0.5 | <0.002 | 0.07 | 12.95 | 0.3 | 1 | <0.2 | 74.3 | <0.05 | <0.05 | 0.10 | <0.005 | 0.13 | 0.9 | 15 |
| W844530 | | 0.2 | <0.002 | 0.03 | 5.86 | 0.3 | 1 | <0.2 | 60.2 | <0.05 | <0.05 | 0.06 | <0.005 | 0.07 | 0.7 | 8 |
| W844531 | | 0.1 | <0.002 | 0.02 | 3.04 | 0.3 | 1 | <0.2 | 63.4 | <0.05 | <0.05 | 0.03 | <0.005 | 0.09 | 0.6 | 7 |
| W844532 | | 0.1 | <0.002 | 0.01 | 2.49 | 0.3 | <1 | <0.2 | 55.4 | <0.05 | <0.05 | 0.04 | <0.005 | 0.04 | 0.6 | 4 |
| W844533 | | 0.1 | <0.002 | 0.01 | 1.83 | 0.3 | 1 | <0.2 | 52.6 | <0.05 | <0.05 | 0.02 | <0.005 | 0.05 | 0.4 | 6 |
| W844534 | | 2.1 | <0.002 | 0.03 | 3.49 | 0.3 | 1 | 0.2 | 39.6 | <0.05 | <0.05 | 0.07 | 0.007 | 0.17 | 0.5 | 36 |
| W844535 | | 0.5 | <0.002 | 0.01 | 1.04 | 0.2 | 1 | <0.2 | 63.1 | <0.05 | <0.05 | 0.07 | <0.005 | 0.05 | 0.8 | 8 |
| W844536 | | 0.2 | <0.002 | 0.01 | 0.81 | 0.2 | 1 | <0.2 | 63.0 | <0.05 | <0.05 | 0.03 | <0.005 | 0.04 | 0.4 | 13 |
| W844537 | | 0.1 | 0.002 | 0.01 | 1.77 | 0.1 | 1 | <0.2 | 56.6 | <0.05 | <0.05 | 0.02 | <0.005 | 0.16 | 0.6 | 5 |
| W844538 | | 1.8 | <0.002 | 0.02 | 1.61 | 0.2 | 1 | 0.2 | 81.5 | <0.05 | <0.05 | 0.25 | 0.008 | 0.22 | 1.3 | 8 |
| W844539 | | 2.3 | <0.002 | 0.01 | 1.70 | 0.3 | 1 | <0.2 | 69.8 | <0.05 | <0.05 | 0.39 | 0.010 | 0.09 | 2.1 | 9 |
| W844540 | | 0.5 | <0.002 | 0.01 | 0.95 | 0.1 | 1 | <0.2 | 62.3 | <0.05 | <0.05 | 0.05 | <0.005 | 0.03 | 0.6 | 5 |
| W844541 | | 0.3 | <0.002 | 0.01 | 0.53 | 0.1 | 1 | <0.2 | 62.8 | <0.05 | <0.05 | 0.04 | <0.005 | 0.09 | 0.6 | 8 |
| W844542 | | 2.6 | <0.002 | 0.03 | 0.81 | 0.4 | 1 | 0.2 | 71.9 | <0.05 | <0.05 | 0.37 | 0.016 | 0.07 | 3.0 | 10 |
| W844543 | | 0.6 | <0.002 | 0.01 | 0.62 | 0.1 | 1 | <0.2 | 63.2 | <0.05 | <0.05 | 0.08 | 0.005 | 0.04 | 1.3 | 7 |
| W844544 | | 0.3 | <0.002 | 0.02 | 0.35 | <0.1 | 1 | <0.2 | 61.7 | <0.05 | <0.05 | 0.03 | <0.005 | 0.04 | 1.6 | 6 |
| W844545 | | 0.8 | <0.002 | 0.02 | 0.76 | 0.1 | 1 | <0.2 | 63.8 | <0.05 | <0.05 | 0.07 | <0.005 | 0.04 | 4.0 | 8 |
| W844546 | | 0.2 | <0.002 | 0.02 | 0.52 | <0.1 | 1 | <0.2 | 65.0 | <0.05 | <0.05 | 0.04 | <0.005 | 0.03 | 0.7 | 11 |
| W844547 | | 0.2 | 0.002 | 0.04 | 0.43 | <0.1 | 1 | <0.2 | 63.8 | <0.05 | <0.05 | 0.02 | <0.005 | <0.02 | 0.6 | 13 |
| W844548 | | 0.1 | <0.002 | 0.03 | 0.34 | <0.1 | 1 | <0.2 | 63.2 | <0.05 | <0.05 | 0.01 | <0.005 | 0.03 | 0.5 | 9 |
| W844549 | | 0.6 | <0.002 | 0.03 | 0.60 | <0.1 | 1 | <0.2 | 69.3 | <0.05 | <0.05 | 0.04 | <0.005 | 0.05 | 1.1 | 24 |
| W844550 | | 0.2 | <0.002 | 0.01 | 0.37 | 0.1 | <1 | <0.2 | 36.6 | <0.05 | <0.05 | 0.02 | <0.005 | 0.04 | 0.4 | 5 |
| W844551 | | 0.3 | 0.002 | 0.02 | 0.58 | 0.1 | <1 | <0.2 | 45.3 | <0.05 | <0.05 | 0.02 | <0.005 | 0.05 | 0.5 | 8 |
| W844552 | | 0.4 | <0.002 | 0.02 | 1.75 | 0.1 | <1 | <0.2 | 63.6 | <0.05 | <0.05 | 0.04 | <0.005 | 0.06 | 0.8 | 11 |

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

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

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


**Finalized Date: 22-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227766

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Au-AA24 |
|---|---|---|---|---|---|---|
| | Analyte | W | Y | Zn | Zr | Au |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.1 | 0.1 | 2 | 0.5 | 0.005 |
| W844520 | | 3.1 | 3.6 | 330 | 11.3 | 0.008 |
| W844521 | | 0.5 | 2.0 | 89 | 3.2 | <0.005 |
| W844522 | | 0.6 | 2.2 | 105 | 3.7 | <0.005 |
| W844523 | | 0.3 | 1.2 | 51 | 1.0 | <0.005 |
| W844524 | | 0.3 | 1.6 | 72 | 1.1 | <0.005 |
| W844525 | | 0.6 | 1.5 | 111 | 3.5 | <0.005 |
| W844526 | | 0.8 | 1.9 | 126 | 3.5 | 0.006 |
| W844527 | | 2.7 | 3.1 | 388 | 6.6 | 0.007 |
| W844528 | | 3.9 | 3.1 | 1820 | 1.3 | 0.008 |
| W844529 | | 1.2 | 1.2 | 743 | 0.8 | 0.005 |
| W844530 | | 0.6 | 0.9 | 403 | 0.6 | <0.005 |
| W844531 | | 0.6 | 0.8 | 345 | <0.5 | <0.005 |
| W844532 | | 0.3 | 0.6 | 228 | <0.5 | <0.005 |
| W844533 | | 0.5 | 0.7 | 201 | 2.4 | 0.005 |
| W844534 | | 1.8 | 0.8 | 635 | 1.6 | 0.006 |
| W844535 | | 0.4 | 0.8 | 165 | 0.9 | <0.005 |
| W844536 | | 0.3 | 0.7 | 172 | <0.5 | <0.005 |
| W844537 | | 0.4 | 0.5 | 290 | 0.5 | 0.005 |
| W844538 | | 0.4 | 1.2 | 407 | 3.2 | 0.009 |
| W844539 | | 0.5 | 1.3 | 248 | 4.2 | <0.005 |
| W844540 | | 0.2 | 0.6 | 109 | 0.6 | <0.005 |
| W844541 | | 0.1 | 0.9 | 120 | 0.5 | <0.005 |
| W844542 | | 0.6 | 1.7 | 223 | 4.6 | 0.006 |
| W844543 | | 0.2 | 1.0 | 134 | 1.5 | <0.005 |
| W844544 | | 0.1 | 1.0 | 96 | 0.5 | <0.005 |
| W844545 | | 0.3 | 1.4 | 157 | 1.2 | 0.006 |
| W844546 | | 0.2 | 1.0 | 203 | <0.5 | <0.005 |
| W844547 | | 0.1 | 0.8 | 175 | <0.5 | <0.005 |
| W844548 | | 0.2 | 0.7 | 136 | <0.5 | 0.006 |
| W844549 | | 0.4 | 1.1 | 157 | 0.6 | <0.005 |
| W844550 | | 4.4 | 0.4 | 35 | 0.5 | <0.005 |
| W844551 | | 4.3 | 0.5 | 51 | 0.5 | <0.005 |
| W844552 | | 0.6 | 0.8 | 213 | 0.8 | 0.006 |

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

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Project: Rau


**Finalized Date: 22-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227766

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| PUL-QC | SPL-21 | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA24 | ME-MS61 |

## APPENDIX X

## DIAMOND DRILLING – SAMPLING METHODS, ANALYSIS, DATA VERIFICATION AND QA/QC RESULTS

## 2020 Drill Core Sampling Methods, Sample Analysis, Data Verification and QA/QC Results

Geotechnical and geological logging was performed on all drill core from the 2019 program. A geotechnical log was filled out prior to geological logging of drill core and included the conversion of drill marker blocks from imperial to metric and determinations of recovery, rock quality designations (RQD), hydrochloric acid reactivity, fracture frequency, hardness, weathering, strength and joint sets. Wetted core photographs were taken and catalogued prior to logging.

All logged data was entered directly into a MS SQL Server® database.

Drill core samples were collected using the following procedures:

1) Core was reassembled, lightly washed and measured.
2) Core was photographed.
3) Core was geotechnically logged.
4) Core was geologically logged and sample intervals were designated. Sample intervals were set at geological boundaries, drill blocks or sharp changes in visual mineral content.
5) Core recovery was calculated for each sample interval.
6) Intervals of core deemed to hold promise of mineralization were sawn in half using a rock saw and the remainder left unsampled.
7) Samples were double bagged in 6 mm plastic bags, a sample tag was placed in each sample bag, then two or three samples were placed in a durable fiber bag sealed with a metal clasp and sample numbers were written on the outside of that bag with permanent felt pen. The fibre bag was sealed with a numbered security tag.
8) 1 blank and 2 standards were randomly included in every batch of 35 core samples.
9) 1 quarter-split sample was included in every batch of 35 core samples.
10) 1 coarse reject duplicate sample was included in every batch of 35 core samples.

Care was taken to ensure that the sample splits were not biased to sulphide content and, therefore, the sampling should be reliable and representative of the mineralization.

**Sample Handling and Security**

Drill core was flown by helicopter from the drill sites to a logging and sampling area in the Rau Camp. The samples were later flown by helicopter to the Rau Airstrip, flown by fixed wing to the Mayo airport and transported to Whitehorse by truck. All samples were controlled by employees of Archer Cathro until they were delivered directly to ALS Minerals' laboratory in Whitehorse for preparation. ALS Minerals was responsible for shipping the prepared sample splits to its North Vancouver laboratory, where they were analyzed.

Archer Cathro ensured that a Chain of Custody form accompanied all batches of drill core during transportation from the Property to the laboratory. A unique security tag was attached to each individual fibre bag when the bag was sealed. The bags and security tags had to be intact in order to be delivered to ALS Minerals.

**Sample Analysis**

All samples were sent to ALS Minerals' laboratory in Whitehorse for preparation and then on to its laboratory in North Vancouver for analysis. ALS Minerals, a wholly owned subsidiary of ALS Limited, is an independent commercial laboratory specializing in analytical geochemistry services. Both ALS Minerals' Whitehorse and North Vancouver laboratories are individually certified to standards within ISO 9001:2008. The North Vancouver laboratory has also received accreditation to ISO/IEC 17025:2005 from the Standards Council of Canada for several analytical methods.

Diamond drill samples were fine crushed before a 250 g split was pulverized to better than 85% passing 75 microns. Samples from Tiger drilling had an additional "wash" step which involved cleaning the crusher and pulverizer with barren quartz sand between samples to reduce potential for oxide material contamination. Splits of the pulverized material were analyzed by ME-MS61, which uses a four acid digestion and analysis for 48 elements by inductively coupled plasma (ICP) together with mass spectrometry (MS) and atomic emission spectroscopy (AES). Samples from Tiger drilling were assayed for gold by Au-AA26, which takes a 50 g charge and prepares it by fire assay before being finished with atomic absorption spectroscopy (AAS). Samples from other drilling were assayed for gold by Au-AA25, which takes a 30 g charge and prepares it by fire assay before being finished with atomic absorption spectroscopy (AAS).

Overlimit values for zinc, copper, silver, lead, and arsenic were re-analyzed by the ME-OG62 technique which utilizes a four acid digestion followed by an ICP-AES finish. Overlimit values for silver determined by the ME-OG62 method were re-analyzed using the Ag-GRA21 method, which involves fire assay preparation using a 30 gram charge and a gravimetric finish. Overlimit values for lead determined by the ME-OG62 method were re-analyzed using the Pb-VOL70 method, which uses a four acid digestion and volumetric titration. Overlimit values for zinc determined by the ME-OG62 method were re-analyzed using the Zn-VOL50 technique, which uses a four acid digestion and potentiometric titration. Overlimit values for tin were re-analyzed by the ME-MS85 method, which uses a lithium borate fusion followed by ICP-MS. Over limit gold analysis were run with the Au-GRA21 method, which involves fire assay with a gravimetric finish.

**DATA VERIFICATION**

**Database**

Geological and geotechnical logging in 2020 was entered directly into a MS SQL Server® database.

**Collar Locations**

Tiger drill hole collars were located and recorded using a Leica RTK GPS system. All other drill collars were located with a handheld Garmin GPS.

**Down-hole Orientations**

Original survey data was obtained from Reflex survey tools in CSV format and imported directly into the MS SQL Server® database. All of the down-hole data was visually inspected and erroneous data has been omitted.

**Assays**

Assay certificates, for all of the drilling done to date, were obtained from ALS Minerals in CSV format and imported directly into the MS SQL Server® database. Spot checking of data within the database to hard copy certificates issued by ALS Minerals has not revealed any issues.

Samples from the diamond drilling programs were subjected to a QA/QC program designed by Archer Cathro for ATAC. The QA/QC program consisted of:

1) Sequentially numbered sample tickets: to identify each sample with a unique number to minimize the possibility of sample numbering errors and to ensure uniform collection of sample data.
2) Sealed sample bags: to secure individual sample bags in order to reduce the possibility of sample contamination, spilling or tampering.
3) Chain of custody: samples were stored in a secure preparation area and delivered to the laboratory directly by Archer Cathro personnel.
4) Sample duplicates: select samples were quartered and re-submitted for assay. In addition, duplicates of coarse reject material of select samples were re-submitted for assay.
5) Sample blanks: commercial samples of barren rock were purchased and inserted in the sample sequence. All blank samples yielded background values, including samples inserted directly following a "standard" value to test for "smear effect" during the sample preparation process, indicating no observable contamination. These blanks each comprised approximately 5 kg of material and were assigned unique sample numbers within the sample sequence so as to be "blind" to the laboratory.
6) Reference standard samples: commercially available standard samples considered matrix compatible and certified for gold were used for drilling at Tiger. For all other drilling, standards prepared by Archer Cathro from coarse rejects at a previous copper gold skarn project, and certified by an independent laboratory, were used.

The consensus and two standard deviation values for each of the standard samples used during the 2020 program are provided below, and the certificates follow.

**2020 Standards**

| Standard Name | Gold Grade (g/t) | Gold 2Sigma (g/t) |
|---|---|---|
| GS-P5E | 0.66 | 0.06 |
| GS-P6C | 0.77 | 0.08 |

| | | |
|---|---|---|
| GS-1X | 1.30 | 0.13 |
| GS-3Q | 3.30 | 0.26 |
| GS-5X | 5.04 | 0.33 |

Of the 58 batches analyzed in 2020, six batches failed the QA/QC program due to four standards returning a gold value above the acceptable grade and two coarse rejects having gold values that were unacceptably larger than acceptable. This batch was reanalyzed and returned acceptable gold values for the problem standards.

## APPENDIX XI

## DIAMOND DRILLING – COLLAR INFORMATION, GEOLOGICAL, GEOTECHNICAL AND SAMPLE LOGS

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531524 | 7113862 | 969 | 251.46 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: AS -20-001**

**CLAIM:**

Contractor: Superior

Drill: 6

Core Size: HQ3

Casing Depth:

Drilling Dates: Aug 28 - Sep 09, 2020

Geology Logged By: A. Schneebeli

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| 0 | 202.7 | -50 | Reflex |
| 249.93 | 191.36 | -53.9 | Reflex |

**TARGET:** Twinning ASR-16-004

| SUMMARY | | | |
|---|---|---|---|
| From (m) | To (m) | Interval (m) | Rock Type |
| 0 | 7.7 | 7.7 | OVB |
| 7.7 | 17.1 | 9.4 | PHY |
| 17.1 | 35.15 | 18.05 | PHY |
| 35.15 | 52.73 | 17.58 | PHY |
| 52.73 | 76.95 | 24.22 | PHY |
| 76.95 | 111.03 | 34.08 | PHY |
| 111.03 | 116.48 | 5.45 | PHY |
| 116.48 | 164.3 | 47.82 | PHY |
| 164.3 | 180.5 | 16.2 | PHY |
| 180.5 | 195.75 | 15.25 | FLR |
| 195.75 | 232 | 36.25 | PHY |
| 232 | 251.46 | 19.46 | FLR |

| SAMPLES | |
|---|---|
| Numbers: | R613301 to R613511, R615201 to R615300 |
| Total: | 311 |
| Batch: | D06, D08, D10, D11, D13, D15, D17, D19 |
| Certificates: | WH20197154, WH20197159, WH20197163, WH20197165, WH20204414, WH20204442, WH20204470, WH20204475, WH21003526 |

**COMMENTS**

Hole ended due to drill capabilities in bad faulted ground.

# AS -20-001



| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615249 | ☐ | R20-D08 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615298 | ☐ | R20-D10 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615294 | ☐ | R20-D10 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613308 | ☐ | R20-D10 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615257 | ☐ | R20-D08 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615224 | ☐ | R20-D06 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615217 | ☐ | R20-D06 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615208 | ☐ | R20-D06 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613500 | ☐ | R20-D19 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613490 | ☐ | R20-D19 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613473 | ☐ | R20-D17 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613449 | ☐ | R20-D17 | Core | GS-3Q | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613434 | ☐ | R20-D15 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613424 | ☐ | R20-D15 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613418 | ☐ | R20-D15 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613392 | ☐ | R20-D13 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613376 | ☐ | R20-D13 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615269 | ☐ | R20-D08 | Core | GS-3Q | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613367 | ☐ | R20-D13 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613347 | ☐ | R20-D11 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613332 | ☐ | R20-D11 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613328 | ☐ | R20-D11 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613469 | ☐ | R20-D17 | Core | | ☑ | ☐ | ☐ |
| 7.70 | 8.23 | 0.53 | OVB, PHY | 0.35 | 66 | R615201 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 8.23 | 9.14 | 0.91 | PHY | 0.44 | 48 | R615202 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 9.14 | 10.67 | 1.53 | PHY | 1.28 | 84 | R615203 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.67 | 11.58 | 0.91 | PHY | 0.51 | 56 | R615204 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 11.58 | 13.11 | 1.53 | PHY | 1.00 | 65 | R615205 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 13.11 | 13.72 | 0.61 | PHY | 0.34 | 56 | R615206 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 13.72 | 14.63 | 0.91 | PHY | 0.36 | 40 | R615207 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 14.63 | 16.15 | 1.52 | PHY | 1.30 | 86 | R615209 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 16.15 | 16.79 | 0.64 | PHY | 0.28 | 44 | R615210 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 16.79 | 17.28 | 0.49 | PHY | 0.34 | 69 | R615211 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 17.28 | 18.17 | 0.89 | PHY | 0.77 | 87 | R615212 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 18.17 | 18.65 | 0.48 | PHY | 0.35 | 73 | R615213 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 18.65 | 18.75 | 0.10 | PHY | 0.10 | 100 | R615214 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 18.75 | 19.40 | 0.65 | PHY | 0.45 | 69 | R615215 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 19.40 | 20.81 | 1.41 | PHY | 0.71 | 50 | R615216 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 20.81 | 21.41 | 0.60 | PHY | 0.53 | 88 | R615218 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 21.41 | 21.46 | 0.05 | PHY | 0.05 | 100 | R615219 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 21.46 | 22.00 | 0.54 | PHY | 0.36 | 67 | R615220 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 22.00 | 22.12 | 0.12 | PHY | 0.12 | 100 | R615221 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 22.12 | 24.03 | 1.91 | PHY | 1.51 | 79 | R615222 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 24.03 | 24.32 | 0.29 | PHY | 0.29 | 100 | R615223 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 24.32 | 26.38 | 2.06 | PHY | 1.40 | 68 | R615225 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 26.38 | 26.41 | 0.03 | PHY | 0.03 | 100 | R615226 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 26.41 | 26.82 | 0.41 | PHY | 0.40 | 98 | R615227 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 26.41 | 26.82 | 0.41 | PHY | 0.41 | 100 | R615228 | ☐ | R20-D06 | Core | | ☐ | ☑ | ☐ |
| 26.82 | 28.35 | 1.53 | PHY | 0.31 | 20 | R615229 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 28.35 | 29.06 | 0.71 | PHY | 0.37 | 52 | R615230 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 29.06 | 29.33 | 0.27 | PHY | 0.25 | 93 | R615231 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 29.33 | 29.87 | 0.54 | PHY | 0.51 | 94 | R615232 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 29.87 | 30.05 | 0.18 | PHY | 0.09 | 50 | R615233 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 29.87 | 30.05 | 0.18 | PHY | 0.09 | 50 | R615234 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☑ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30.05 | 31.39 | 1.34 | PHY | 0.42 | 31 | R615235 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 34.44 | 35.97 | 1.53 | PHY | 0.89 | 58 | R615236 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 35.97 | 37.49 | 1.52 | PHY | 0.54 | 36 | R615237 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 37.49 | 40.00 | 2.51 | PHY | 0.52 | 21 | R615238 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 39.01 | 40.00 | 0.99 | PHY | 0.15 | 15 | R613398 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 40.00 | 40.54 | 0.54 | PHY | 0.10 | 19 | R615239 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 40.54 | 42.06 | 1.52 | PHY | 0.91 | 60 | R615240 | ☐ | R20-D06 | Core | | ☐ | ☐ | ☐ |
| 42.06 | 43.59 | 1.53 | PHY | 0.46 | 30 | R615241 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 43.59 | 43.89 | 0.30 | PHY | 0.29 | 97 | R615242 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 43.89 | 44.12 | 0.23 | PHY | 0.16 | 70 | R615243 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 44.12 | 45.11 | 0.99 | PHY | 0.55 | 56 | R615244 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 45.11 | 46.63 | 1.52 | PHY | 0.75 | 49 | R615245 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 46.63 | 48.16 | 1.53 | PHY | 1.20 | 78 | R615246 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 48.16 | 49.00 | 0.84 | PHY | 0.59 | 70 | R615247 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 49.00 | 49.68 | 0.68 | PHY | 0.53 | 78 | R615248 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 49.68 | 51.21 | 1.53 | PHY | 1.13 | 74 | R615250 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 51.21 | 52.73 | 1.52 | PHY | 1.16 | 76 | R615251 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 52.73 | 54.25 | 1.52 | PHY, PHY | 1.02 | 67 | R615252 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 54.25 | 55.11 | 0.86 | PHY | 0.41 | 48 | R615253 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 55.11 | 55.17 | 0.06 | PHY | 0.05 | 83 | R615254 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 55.17 | 56.39 | 1.22 | PHY | 0.78 | 64 | R615255 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 56.39 | 57.30 | 0.91 | PHY | 0.49 | 54 | R615256 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 57.30 | 58.50 | 1.20 | PHY | 0.54 | 45 | R615258 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 58.50 | 58.83 | 0.33 | PHY | 0.14 | 42 | R615259 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 58.83 | 59.55 | 0.72 | PHY | 0.48 | 67 | R615260 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 59.55 | 59.68 | 0.13 | PHY | 0.06 | 46 | R615261 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 59.68 | 60.35 | 0.67 | PHY | 0.36 | 54 | R615262 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 60.35 | 60.75 | 0.40 | PHY | 0.39 | 98 | R615263 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60.75 | 61.36 | 0.61 | PHY | 0.32 | 52 | R615264 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 60.75 | 61.36 | 0.61 | PHY | 0.32 | 52 | R615265 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☑ |
| 61.36 | 61.87 | 0.51 | PHY | 0.46 | 90 | R615266 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 61.87 | 62.20 | 0.33 | PHY | 0.26 | 79 | R615267 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 62.20 | 62.40 | 0.20 | PHY | 0.20 | 100 | R615268 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 62.40 | 63.40 | 1.00 | PHY | 0.83 | 83 | R615270 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 63.40 | 64.00 | 0.60 | PHY | 0.56 | 93 | R615271 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 64.00 | 64.52 | 0.52 | PHY | 0.49 | 94 | R615272 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 64.52 | 65.00 | 0.48 | PHY | 0.40 | 83 | R615273 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 65.00 | 65.35 | 0.35 | PHY | 0.32 | 91 | R615274 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 65.35 | 66.45 | 1.10 | PHY | 0.82 | 75 | R615275 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 66.45 | 67.11 | 0.66 | PHY | 0.63 | 95 | R615276 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 66.45 | 67.11 | 0.66 | PHY | 0.63 | 95 | R615277 | ☐ | R20-D08 | Core | | ☐ | ☑ | ☐ |
| 67.11 | 67.97 | 0.86 | PHY | 0.39 | 45 | R615278 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 67.97 | 68.78 | 0.81 | PHY | 0.80 | 99 | R615279 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 68.78 | 69.11 | 0.33 | PHY | 0.32 | 97 | R615280 | ☐ | R20-D08 | Core | | ☐ | ☐ | ☐ |
| 69.11 | 69.49 | 0.38 | PHY | 0.18 | 47 | R615281 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 69.49 | 69.95 | 0.46 | PHY | 0.24 | 52 | R615282 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 69.95 | 71.02 | 1.07 | PHY | 1.01 | 94 | R615283 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 71.02 | 72.54 | 1.52 | PHY | 1.49 | 98 | R615284 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 72.54 | 73.28 | 0.74 | PHY | 0.68 | 92 | R615285 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 72.54 | 73.28 | 0.74 | PHY | 0.68 | 92 | R615286 | ☐ | R20-D10 | Core | | ☐ | ☑ | ☐ |
| 73.28 | 74.07 | 0.79 | PHY | 0.47 | 59 | R615287 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 74.07 | 74.63 | 0.56 | PHY | 0.44 | 79 | R615288 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 74.63 | 74.72 | 0.09 | PHY | 0.09 | 100 | R615289 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 74.72 | 75.59 | 0.87 | PHY | 0.62 | 71 | R615290 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 75.59 | 77.11 | 1.52 | PHY | 1.50 | 99 | R615291 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 77.11 | 78.15 | 1.04 | PHY | 0.44 | 42 | R615292 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78.15 | 78.28 | 0.13 | PHY | 0.12 | 92 | R615293 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 78.28 | 78.69 | 0.41 | PHY | 0.28 | 68 | R615295 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 78.69 | 80.16 | 1.47 | PHY | 0.64 | 44 | R615296 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 80.16 | 80.22 | 0.06 | PHY | 0.06 | 100 | R615297 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 80.22 | 80.59 | 0.37 | PHY | 0.26 | 70 | R615299 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 80.59 | 80.79 | 0.20 | PHY | 0.15 | 75 | R615300 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 80.79 | 81.69 | 0.90 | PHY | 0.49 | 54 | R613301 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 81.69 | 82.25 | 0.56 | PHY | 0.35 | 63 | R613302 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 82.25 | 82.35 | 0.10 | PHY | 0.08 | 80 | R613303 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 82.35 | 83.05 | 0.70 | PHY | 0.23 | 33 | R613304 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 83.05 | 83.43 | 0.38 | PHY | 0.29 | 76 | R613305 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 83.43 | 83.95 | 0.52 | PHY | 0.35 | 67 | R613306 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 83.95 | 84.73 | 0.78 | PHY | 0.36 | 46 | R613307 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 84.73 | 86.26 | 1.53 | PHY | 0.89 | 58 | R613309 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 86.26 | 86.40 | 0.14 | PHY | 0.09 | 64 | R613310 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 86.40 | 86.59 | 0.19 | PHY | 0.11 | 58 | R613311 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 86.59 | 87.51 | 0.92 | PHY | 0.57 | 62 | R613312 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 87.51 | 87.78 | 0.27 | PHY | 0.19 | 70 | R613313 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 87.78 | 88.00 | 0.22 | PHY | 0.11 | 50 | R613314 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 87.78 | 88.00 | 0.22 | PHY | 0.11 | 50 | R613315 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☑ |
| 88.00 | 88.90 | 0.90 | PHY | 0.50 | 56 | R613316 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 88.90 | 89.31 | 0.41 | PHY | 0.22 | 54 | R613317 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 89.31 | 90.28 | 0.97 | PHY | 0.66 | 68 | R613318 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 90.28 | 90.35 | 0.07 | PHY | 0.07 | 100 | R613319 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 90.35 | 90.83 | 0.48 | PHY | 0.34 | 71 | R613320 | ☐ | R20-D10 | Core | | ☐ | ☐ | ☐ |
| 90.83 | 92.35 | 1.52 | PHY | 1.15 | 76 | R613321 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 92.35 | 92.73 | 0.38 | PHY | 0.28 | 74 | R613322 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 92.73 | 93.88 | 1.15 | PHY | 0.83 | 72 | R613323 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.88 | 94.10 | 0.22 | PHY | 0.15 | 68 | R613324 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 94.10 | 95.40 | 1.30 | PHY | 0.53 | 41 | R613325 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 95.40 | 96.93 | 1.53 | PHY | 0.73 | 48 | R613326 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 96.93 | 98.05 | 1.12 | PHY | 0.42 | 38 | R613327 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 98.05 | 98.45 | 0.40 | PHY | 0.17 | 43 | R613329 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 98.45 | 99.53 | 1.08 | PHY | 0.62 | 57 | R613330 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 99.53 | 99.82 | 0.29 | PHY | 0.27 | 93 | R613331 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 99.82 | 100.55 | 0.73 | PHY | 0.42 | 58 | R613333 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 100.55 | 100.70 | 0.15 | PHY | 0.13 | 87 | R613334 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 100.70 | 101.42 | 0.72 | PHY | 0.25 | 35 | R613335 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 101.42 | 101.50 | 0.08 | PHY | 0.06 | 75 | R613336 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 101.50 | 103.02 | 1.52 | PHY | 0.48 | 32 | R613337 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 103.02 | 104.55 | 1.53 | PHY | 1.25 | 82 | R613338 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 104.55 | 106.07 | 1.52 | PHY | 1.11 | 73 | R613339 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 106.07 | 106.52 | 0.45 | PHY | 0.37 | 82 | R613340 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 106.52 | 107.20 | 0.68 | PHY | 0.63 | 93 | R613341 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 106.52 | 107.20 | 0.68 | PHY | 0.63 | 93 | R613342 | ☐ | R20-D11 | Core | | ☐ | ☑ | ☐ |
| 107.20 | 108.37 | 1.17 | PHY | 0.71 | 61 | R613343 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 108.37 | 108.45 | 0.08 | PHY | 0.05 | 63 | R613344 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 108.45 | 109.72 | 1.27 | PHY | 0.74 | 58 | R613345 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 109.72 | 110.10 | 0.38 | PHY | 0.24 | 63 | R613346 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 110.10 | 111.03 | 0.93 | PHY | 0.62 | 67 | R613348 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 111.03 | 112.82 | 1.79 | PHY, PHY | 1.11 | 62 | R613349 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 112.82 | 113.18 | 0.36 | PHY | 0.31 | 86 | R613350 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 113.18 | 113.55 | 0.37 | PHY | 0.34 | 92 | R613351 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 113.55 | 113.66 | 0.11 | PHY | 0.10 | 91 | R613352 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 113.66 | 115.21 | 1.55 | PHY | 1.22 | 79 | R613353 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 115.21 | 117.00 | 1.79 | PHY | 1.00 | 56 | R613354 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117.00 | 117.15 | 0.15 | PHY | 0.11 | 73 | R613355 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 117.00 | 117.15 | 0.15 | PHY | 0.11 | 73 | R613356 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☑ |
| 117.15 | 118.26 | 1.11 | PHY | 0.74 | 67 | R613357 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 118.26 | 119.79 | 1.53 | PHY | 0.09 | 6 | R613358 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 119.79 | 121.19 | 1.40 | PHY | 0.88 | 63 | R613359 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 121.19 | 121.31 | 0.12 | PHY | 0.11 | 92 | R613360 | ☐ | R20-D11 | Core | | ☐ | ☐ | ☐ |
| 121.31 | 122.83 | 1.52 | PHY | 0.96 | 63 | R613361 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 122.83 | 123.85 | 1.02 | PHY | 0.57 | 56 | R613362 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 123.85 | 124.00 | 0.15 | PHY | 0.12 | 80 | R613363 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 124.00 | 124.18 | 0.18 | PHY | 0.12 | 67 | R613364 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 124.18 | 124.36 | 0.18 | PHY | 0.14 | 78 | R613365 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 124.36 | 124.52 | 0.16 | PHY | 0.15 | 94 | R613366 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 124.52 | 125.88 | 1.36 | PHY | 0.87 | 64 | R613368 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 125.88 | 126.35 | 0.47 | PHY | 0.27 | 57 | R613369 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 126.35 | 126.43 | 0.08 | PHY | 0.07 | 88 | R613370 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 126.43 | 127.41 | 0.98 | PHY | 0.61 | 62 | R613371 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 127.41 | 128.93 | 1.52 | PHY | 0.72 | 47 | R613372 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 128.93 | 130.63 | 1.70 | PHY | 1.14 | 67 | R613373 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 130.63 | 131.86 | 1.23 | PHY | 0.57 | 46 | R613374 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 131.86 | 133.50 | 1.64 | PHY | 0.94 | 57 | R613375 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 133.50 | 135.03 | 1.53 | PHY | 0.99 | 65 | R613377 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 135.03 | 136.16 | 1.13 | PHY | 0.60 | 53 | R613378 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 136.16 | 136.55 | 0.39 | PHY | 0.21 | 54 | R613379 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 136.55 | 137.00 | 0.45 | PHY | 0.41 | 91 | R613380 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 136.55 | 137.00 | 0.45 | PHY | 0.41 | 91 | R613381 | ☐ | R20-D13 | Core | | ☐ | ☑ | ☐ |
| 137.00 | 137.53 | 0.53 | PHY | 0.31 | 58 | R613382 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 137.53 | 137.61 | 0.08 | PHY | 0.08 | 100 | R613383 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 137.61 | 138.07 | 0.46 | PHY | 0.16 | 35 | R613384 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 138.07 | 138.60 | 0.53 | PHY | 0.32 | 60 | R613385 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 138.60 | 139.60 | 1.00 | PHY | 0.81 | 81 | R613386 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 139.60 | 141.47 | 1.87 | PHY | 0.99 | 53 | R613387 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 141.47 | 141.75 | 0.28 | PHY | 0.22 | 79 | R613388 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 141.75 | 142.65 | 0.90 | PHY | 0.63 | 70 | R613389 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 142.65 | 144.05 | 1.40 | PHY | 0.77 | 55 | R613390 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 144.05 | 144.73 | 0.68 | PHY | 0.53 | 78 | R613391 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 144.73 | 146.01 | 1.28 | PHY | 0.80 | 63 | R613393 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 146.01 | 147.47 | 1.46 | PHY | 1.00 | 68 | R613394 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 147.47 | 148.46 | 0.99 | PHY | 0.52 | 53 | R613395 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 148.46 | 149.00 | 0.54 | PHY | 0.51 | 94 | R613396 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 148.46 | 149.00 | 0.54 | PHY | 0.51 | 94 | R613397 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☑ |
| 149.00 | 150.42 | 1.42 | PHY | 1.24 | 87 | R613399 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 150.42 | 151.79 | 1.37 | PHY | 0.86 | 63 | R613400 | ☐ | R20-D13 | Core | | ☐ | ☐ | ☐ |
| 151.79 | 153.31 | 1.52 | PHY | 0.67 | 44 | R613401 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 153.31 | 154.84 | 1.53 | PHY | 0.98 | 64 | R613402 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 154.84 | 155.78 | 0.94 | PHY | 0.69 | 73 | R613403 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 155.78 | 156.63 | 0.85 | PHY | 0.82 | 96 | R613404 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 155.78 | 156.63 | 0.85 | PHY | 0.82 | 96 | R613405 | ☐ | R20-D15 | Core | | ☐ | ☑ | ☐ |
| 156.63 | 157.89 | 1.26 | PHY | 0.88 | 70 | R613406 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 157.89 | 159.41 | 1.52 | PHY | 0.98 | 64 | R613407 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 159.41 | 160.30 | 0.89 | PHY | 0.30 | 34 | R613408 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 160.30 | 160.93 | 0.63 | PHY | 0.15 | 24 | R613409 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 160.93 | 161.20 | 0.27 | PHY | 0.17 | 63 | R613410 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 161.20 | 161.24 | 0.04 | PHY | 0.03 | 75 | R613411 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 161.24 | 162.00 | 0.76 | PHY | 0.42 | 55 | R613412 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 162.00 | 162.15 | 0.15 | PHY | 0.14 | 93 | R613413 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 162.15 | 162.54 | 0.39 | PHY | 0.18 | 46 | R613414 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 162.54 | 162.83 | 0.29 | PHY | 0.28 | 97 | R613415 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 162.54 | 162.83 | 0.29 | PHY | 0.28 | 97 | R613416 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☑ |
| 162.83 | 163.08 | 0.25 | PHY | 0.17 | 68 | R613417 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 163.08 | 163.98 | 0.90 | PHY | 0.59 | 66 | R613419 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 163.98 | 164.30 | 0.32 | PHY | 0.29 | 91 | R613420 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 164.30 | 165.51 | 1.21 | PHY, PHY | 0.74 | 61 | R613421 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 165.51 | 165.75 | 0.24 | PHY | 0.20 | 83 | R613422 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 165.75 | 166.20 | 0.45 | PHY | 0.16 | 36 | R613423 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 166.20 | 166.66 | 0.46 | PHY | 0.43 | 93 | R613425 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 166.66 | 166.90 | 0.24 | PHY | 0.20 | 83 | R613426 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 166.90 | 167.90 | 1.00 | PHY | 0.73 | 73 | R613427 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 167.90 | 168.14 | 0.24 | PHY | 0.17 | 71 | R613428 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 168.14 | 168.56 | 0.42 | PHY | 0.23 | 55 | R613429 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 168.56 | 168.94 | 0.38 | PHY | 0.32 | 84 | R613430 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 168.94 | 169.00 | 0.06 | PHY | 0.06 | 100 | R613431 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 169.00 | 169.24 | 0.24 | PHY | 0.23 | 96 | R613432 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 169.24 | 169.35 | 0.11 | PHY | 0.09 | 82 | R613433 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 169.35 | 170.08 | 0.73 | PHY | 0.27 | 37 | R613435 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 170.08 | 170.84 | 0.76 | PHY | 0.60 | 79 | R613436 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 170.84 | 171.42 | 0.58 | PHY | 0.54 | 93 | R613437 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 171.42 | 171.60 | 0.18 | PHY | 0.15 | 83 | R613438 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 171.60 | 171.89 | 0.29 | PHY | 0.24 | 83 | R613439 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 171.89 | 173.13 | 1.24 | PHY | 0.92 | 74 | R613440 | ☐ | R20-D15 | Core | | ☐ | ☐ | ☐ |
| 173.13 | 173.36 | 0.23 | PHY | 0.22 | 96 | R613441 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 173.36 | 173.60 | 0.24 | PHY | 0.21 | 88 | R613442 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 173.60 | 173.89 | 0.29 | PHY | 0.27 | 93 | R613443 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 173.89 | 174.10 | 0.21 | PHY | 0.21 | 100 | R613444 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 174.10 | 174.65 | 0.55 | PHY | 0.15 | 27 | R613445 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 174.65 | 174.90 | 0.25 | PHY | 0.21 | 84 | R613446 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 174.90 | 175.23 | 0.33 | PHY | 0.24 | 73 | R613447 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 175.23 | 175.30 | 0.07 | PHY | 0.06 | 86 | R613448 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 175.30 | 176.17 | 0.87 | PHY | 0.81 | 93 | R613450 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 176.17 | 177.70 | 1.53 | PHY | 0.72 | 47 | R613451 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 177.70 | 179.22 | 1.52 | PHY | 0.47 | 31 | R613452 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 179.22 | 179.95 | 0.73 | PHY | 0.39 | 53 | R613453 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 179.95 | 180.08 | 0.13 | PHY | 0.05 | 38 | R613454 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 179.95 | 180.08 | 0.13 | PHY | 0.05 | 38 | R613455 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☑ |
| 180.08 | 180.75 | 0.67 | PHY | 0.30 | 45 | R613456 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 180.75 | 182.27 | 1.52 | FLR | 0.74 | 49 | R613457 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 182.27 | 183.79 | 1.52 | FLR | 0.37 | 24 | R613458 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 183.79 | 185.32 | 1.53 | FLR | 0.55 | 36 | R613459 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 183.79 | 185.32 | 1.53 | FLR | 0.55 | 36 | R613460 | ☐ | R20-D17 | Core | | ☐ | ☑ | ☐ |
| 185.32 | 186.84 | 1.52 | FLR | 0.31 | 20 | R613461 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 186.84 | 188.37 | 1.53 | FLR | 0.10 | 7 | R613462 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 188.37 | 189.89 | 1.52 | FLR | 0.41 | 27 | R613463 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 189.89 | 191.41 | 1.52 | FLR | 0.32 | 21 | R613464 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 191.41 | 193.85 | 2.44 | FLR | 0.38 | 16 | R613465 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 193.85 | 195.75 | 1.90 | FLR | 0.68 | 36 | R613466 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 195.75 | 196.50 | 0.75 | FLR, PHY | 0.32 | 43 | R613467 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 196.50 | 196.90 | 0.40 | PHY | 0.14 | 35 | R613468 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 196.90 | 199.95 | 3.05 | PHY | 0.82 | 27 | R613470 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 199.95 | 201.80 | 1.85 | PHY | 0.46 | 25 | R613471 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 201.80 | 202.00 | 0.20 | PHY | 0.11 | 55 | R613472 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 202.00 | 204.00 | 2.00 | PHY | 0.41 | 21 | R613474 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 204.00 | 204.25 | 0.25 | PHY | 0.15 | 60 | R613475 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 204.25 | 206.05 | 1.80 | PHY | 0.66 | 37 | R613476 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 206.05 | 207.00 | 0.95 | PHY | 0.94 | 99 | R613477 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 207.00 | 209.09 | 2.09 | PHY | 1.06 | 51 | R613478 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 209.09 | 211.00 | 1.91 | PHY | 1.04 | 54 | R613479 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 211.00 | 211.60 | 0.60 | PHY | 0.14 | 23 | R613480 | ☐ | R20-D17 | Core | | ☐ | ☐ | ☐ |
| 211.60 | 213.60 | 2.00 | PHY | 0.98 | 49 | R613481 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 213.60 | 213.95 | 0.35 | PHY | 0.19 | 54 | R613482 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 213.95 | 214.95 | 1.00 | PHY | 0.54 | 54 | R613483 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 214.95 | 217.00 | 2.05 | PHY | 0.21 | 10 | R613484 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 217.00 | 218.24 | 1.24 | PHY | 0.41 | 33 | R613485 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 218.24 | 219.00 | 0.76 | PHY | 0.20 | 26 | R613486 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 219.00 | 221.29 | 2.29 | PHY | 1.10 | 48 | R613487 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 221.29 | 222.50 | 1.21 | PHY | 0.53 | 44 | R613488 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 222.50 | 223.10 | 0.60 | PHY | 0.50 | 83 | R613489 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 223.10 | 224.71 | 1.61 | PHY | 1.03 | 64 | R613491 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 224.71 | 224.88 | 0.17 | PHY | 0.17 | 100 | R613492 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 224.88 | 225.45 | 0.57 | PHY | 0.43 | 75 | R613493 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 225.45 | 225.68 | 0.23 | PHY | 0.21 | 91 | R613494 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 225.68 | 226.27 | 0.59 | PHY | 0.42 | 71 | R613495 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 226.27 | 226.54 | 0.27 | PHY | 0.27 | 100 | R613496 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 226.27 | 226.54 | 0.27 | PHY | 0.27 | 100 | R613497 | ☐ | R20-D19 | Core | | ☐ | ☑ | ☐ |
| 226.54 | 227.00 | 0.46 | PHY | 0.30 | 65 | R613498 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 227.00 | 227.15 | 0.15 | PHY | 0.13 | 87 | R613499 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 227.15 | 227.85 | 0.70 | PHY | 0.59 | 84 | R613501 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 227.85 | 228.20 | 0.35 | PHY | 0.34 | 97 | R613502 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 228.20 | 230.43 | 2.23 | PHY | 1.64 | 74 | R613503 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 230.43 | 232.00 | 1.57 | PHY | 0.57 | 36 | R613504 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 232.00 | 235.00 | 3.00 | PHY, FLR | 0.47 | 16 | R613505 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 235.00 | 236.52 | 1.52 | FLR | 0.21 | 14 | R613506 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 236.52 | 239.57 | 3.05 | FLR | 0.85 | 28 | R613507 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 239.57 | 242.62 | 3.05 | FLR | 0.82 | 27 | R613508 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 242.62 | 245.67 | 3.05 | FLR | 1.09 | 36 | R613509 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 245.67 | 248.72 | 3.05 | FLR | 0.53 | 17 | R613510 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 248.72 | 251.46 | 2.74 | FLR | 0.30 | 11 | R613511 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |

# Sample Results



| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D19 | R613500 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 2.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D17 | R613449 | 0.00 | 0.00 | 3.31 | 6 | 190 | 35 | 154.0 | 2 | 2.00 | ☐ | ☐ | ☐ | ☑ GS-3Q | STD GS-3Q |
| R20-D08 | R615257 | 0.00 | 0.00 | 0.01 | 0 | 0 | 0 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | Blank |
| R20-D15 | R613418 | 0.00 | 0.00 | 0.01 | 0 | 3 | 1 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | BLANK |
| | | 0.00 | 7.70 | | | | | | | | ☐ | ☐ | ☐ | ☐ | TOH - no recovery, no samp |
| R20-D15 | R613424 | 0.00 | 0.00 | 1.21 | 66 | 216 | 1450 | 2670.0 | 2 | 31.00 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D11 | R613328 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | Blank |
| R20-D06 | R615217 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | Blank |
| R20-D13 | R613376 | 0.00 | 0.00 | 0.66 | 1 | 42 | 122 | 204.0 | 1 | 10.70 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D19 | R613490 | 0.00 | 0.00 | 1.35 | 62 | 203 | 1395 | 2540.0 | 2 | 11.00 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D10 | R615298 | 0.00 | 0.00 | 0.01 | 0 | 2 | 0 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | Blank |
| R20-D10 | R615294 | 0.00 | 0.00 | 0.61 | 1 | 43 | 119 | 204.0 | 1 | 9.50 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D10 | R613308 | 0.00 | 0.00 | 0.65 | 3 | 44 | 125 | 213.0 | 1 | 9.80 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D15 | R613434 | 0.00 | 0.00 | 1.44 | 64 | 215 | 1455 | 2690.0 | 2 | 14.40 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |


le

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D08 | R615249 | 0.00 | 0.00 | 1.35 | 72 | 209 | 1440 | 2630.0 | 2 | 15.00 | ☐ | ☐ | ☐ | ☑ GS-1X | GS-1X |
| R20-D06 | R615224 | 0.00 | 0.00 | 0.67 | 1 | 45 | 122 | 213.0 | 1 | 9.90 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D11 | R613347 | 0.00 | 0.00 | 0.66 | 1 | 44 | 116 | 200.0 | 1 | 9.70 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D08 | R615269 | 0.00 | 0.00 | 3.38 | 6 | 189 | 33 | 151.0 | 2 | 2.00 | ☐ | ☐ | ☐ | ☑ GS-3Q | GS-3Q |
| R20-D13 | R613392 | 0.00 | 0.00 | 0.01 | 0 | 3 | 1 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D11 | R613332 | 0.00 | 0.00 | 1.40 | 74 | 214 | 1445 | 2720.0 | 2 | 10.40 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D06 | R615208 | 0.00 | 0.00 | 0.66 | 1 | 41 | 119 | 205.0 | 1 | 9.50 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D13 | R613367 | 0.00 | 0.00 | 0.66 | 2 | 44 | 134 | 223.0 | 1 | 11.40 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D17 | R613473 | 0.00 | 0.00 | 1.27 | 63 | 213 | 1470 | 2680.0 | 2 | 12.40 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D17 | R613469 | 0.00 | 0.00 | 0.01 | 0 | 3 | 1 | 3.0 | 0 | 1.70 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D06 | R615201 | 7.70 | 8.23 | 0.04 | 43 | 57 | 7 | 40.0 | 7 | 137.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615202 | 8.23 | 9.14 | 0.02 | 6 | 39 | 6 | 53.0 | 6 | 29.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615203 | 9.14 | 10.67 | 0.01 | 1 | 31 | 4 | 46.0 | 6 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615204 | 10.67 | 11.58 | 0.01 | 0 | 34 | 5 | 35.0 | 5 | 6.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615205 | 11.58 | 13.11 | 0.01 | 0 | 26 | 6 | 40.0 | 6 | 7.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D06 | R615206 | 13.11 | 13.72 | 0.02 | 2 | 49 | 12 | 53.0 | 6 | 16.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615207 | 13.72 | 14.63 | 0.01 | 35 | 57 | 4 | 46.0 | 6 | 147.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615209 | 14.63 | 16.15 | 0.01 | 0 | 21 | 4 | 41.0 | 8 | 7.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615210 | 16.15 | 16.79 | 0.01 | 4 | 19 | 4 | 47.0 | 8 | 22.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615211 | 16.79 | 17.28 | 0.01 | 0 | 17 | 4 | 55.0 | 8 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615212 | 17.28 | 18.17 | 0.01 | 1 | 8 | 3 | 25.0 | 8 | 9.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615213 | 18.17 | 18.65 | 0.01 | 0 | 3 | 2 | 14.0 | 8 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615214 | 18.65 | 18.75 | 0.01 | 0 | 14 | 3 | 16.0 | 4 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615215 | 18.75 | 19.40 | 0.01 | 5 | 10 | 2 | 14.0 | 8 | 27.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615216 | 19.40 | 20.81 | 0.01 | 0 | 27 | 3 | 17.0 | 7 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615218 | 20.81 | 21.41 | 0.01 | 5 | 11 | 3 | 18.0 | 8 | 34.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615219 | 21.41 | 21.46 | 0.01 | 1 | 11 | 3 | 29.0 | 1 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615220 | 21.46 | 22.00 | 0.01 | 0 | 3 | 2 | 17.0 | 6 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615221 | 22.00 | 22.12 | 0.02 | 0 | 2 | 2 | 17.0 | 6 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615222 | 22.12 | 24.03 | 0.03 | 1 | 19 | 3 | 20.0 | 7 | 8.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D06 | R615223 | 24.03 | 24.32 | 0.04 | 0 | 16 | 3 | 15.0 | 8 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615225 | 24.32 | 26.38 | 0.15 | 1 | 18 | 5 | 22.0 | 7 | 11.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615226 | 26.38 | 26.41 | 0.10 | 0 | 22 | 8 | 27.0 | 5 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615228 | 26.41 | 26.82 | 0.04 | 0 | 14 | 3 | 17.0 | 8 | 5.80 | ☑ | ☐ | ☐ | ☐ | 1/4 |
| R20-D06 | R615227 | 26.41 | 26.82 | 0.04 | 0 | 10 | 3 | 18.0 | 8 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615229 | 26.82 | 28.35 | 0.01 | 2 | 27 | 5 | 42.0 | 6 | 19.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615230 | 28.35 | 29.06 | 0.01 | 0 | 24 | 5 | 19.0 | 7 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615231 | 29.06 | 29.33 | 0.03 | 0 | 22 | 4 | 23.0 | 6 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615232 | 29.33 | 29.87 | 0.03 | 0 | 11 | 4 | 20.0 | 9 | 7.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615234 | 29.87 | 30.05 | 0.01 | 0 | 7 | 4 | 19.0 | 8 | 6.20 | ☐ | ☑ | ☐ | ☐ | |
| R20-D06 | R615233 | 29.87 | 30.05 | 0.01 | 0 | 7 | 3 | 19.0 | 9 | 6.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615235 | 30.05 | 31.39 | 0.09 | 0 | 13 | 3 | 20.0 | 10 | 7.80 | ☐ | ☐ | ☐ | ☐ | |
| | | 31.39 | 34.44 | | | | | | | | ☐ | ☐ | ☐ | ☐ | No recovery |
| R20-D06 | R615236 | 34.44 | 35.97 | 0.09 | 0 | 6 | 3 | 22.0 | 18 | 6.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615237 | 35.97 | 37.49 | 0.09 | 0 | 12 | 3 | 18.0 | 16 | 6.10 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D06 | R615238 | 37.49 | 40.00 | 0.03 | 0 | 3 | 2 | 9.0 | 14 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613398 | 39.01 | 40.00 | 0.08 | 0 | 2 | 4 | 8.0 | 8 | 2.70 | ☐ | ☐ | ☐ | ☐ | Initially thought this section was cave/re-drill. Upon revi the decision to sample was made after speaking with drillers about drilling and ro quality. |
| R20-D06 | R615239 | 40.00 | 40.54 | 0.57 | 1 | 3 | 5 | 9.0 | 41 | 22.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D06 | R615240 | 40.54 | 42.06 | 0.36 | 1 | 4 | 17 | 19.0 | 24 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615241 | 42.06 | 43.59 | 0.11 | 0 | 6 | 5 | 19.0 | 13 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615242 | 43.59 | 43.89 | 0.10 | 0 | 11 | 19 | 16.0 | 9 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615243 | 43.89 | 44.12 | 0.41 | 1 | 18 | 29 | 20.0 | 9 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615244 | 44.12 | 45.11 | 0.05 | 0 | 9 | 5 | 15.0 | 8 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615245 | 45.11 | 46.63 | 0.04 | 0 | 14 | 4 | 17.0 | 10 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615246 | 46.63 | 48.16 | 0.05 | 0 | 23 | 13 | 27.0 | 11 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615247 | 48.16 | 49.00 | 0.03 | 0 | 24 | 14 | 21.0 | 10 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615248 | 49.00 | 49.68 | 0.01 | 0 | 16 | 5 | 19.0 | 11 | 7.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615250 | 49.68 | 51.21 | 0.02 | 0 | 11 | 7 | 29.0 | 11 | 8.00 | ☐ | ☐ | ☐ | ☐ | |

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| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D08 | R615251 | 51.21 | 52.73 | 0.09 | 1 | 31 | 14 | 49.0 | 7 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615252 | 52.73 | 54.25 | 0.12 | 0 | 19 | 6 | 18.0 | 6 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615253 | 54.25 | 55.11 | 0.02 | 0 | 32 | 11 | 20.0 | 4 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615254 | 55.11 | 55.17 | 0.07 | 0 | 49 | 6 | 22.0 | 6 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615255 | 55.17 | 56.39 | 0.01 | 0 | 11 | 3 | 16.0 | 6 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615256 | 56.39 | 57.30 | 0.01 | 0 | 28 | 6 | 24.0 | 7 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615258 | 57.30 | 58.50 | 0.01 | 0 | 25 | 8 | 31.0 | 5 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615259 | 58.50 | 58.83 | 0.01 | 0 | 16 | 7 | 28.0 | 4 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615260 | 58.83 | 59.55 | 0.02 | 0 | 63 | 8 | 34.0 | 6 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615261 | 59.55 | 59.68 | 0.01 | 0 | 23 | 12 | 30.0 | 5 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615262 | 59.68 | 60.35 | 0.01 | 0 | 36 | 6 | 26.0 | 5 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615263 | 60.35 | 60.75 | 0.01 | 0 | 40 | 9 | 52.0 | 6 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615264 | 60.75 | 61.36 | 0.02 | 1 | 70 | 25 | 113.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615265 | 60.75 | 61.36 | 0.02 | 2 | 68 | 24 | 110.0 | 3 | 2.00 | ☐ | ☑ | ☐ | ☐ | |
| R20-D08 | R615266 | 61.36 | 61.87 | 0.02 | 1 | 50 | 19 | 100.0 | 5 | 4.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D08 | R615267 | 61.87 | 62.20 | 0.03 | 1 | 10 | 8 | 30.0 | 5 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615268 | 62.20 | 62.40 | 0.03 | 2 | 45 | 10 | 55.0 | 4 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615270 | 62.40 | 63.40 | 0.04 | 1 | 29 | 17 | 55.0 | 5 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615271 | 63.40 | 64.00 | 0.03 | 1 | 33 | 20 | 171.0 | 4 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615272 | 64.00 | 64.52 | 0.02 | 1 | 29 | 19 | 235.0 | 3 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615273 | 64.52 | 65.00 | 0.02 | 1 | 21 | 9 | 48.0 | 4 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615274 | 65.00 | 65.35 | 0.01 | 0 | 50 | 10 | 63.0 | 4 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615275 | 65.35 | 66.45 | 0.01 | 0 | 41 | 6 | 38.0 | 4 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615277 | 66.45 | 67.11 | 0.02 | 0 | 29 | 6 | 48.0 | 3 | 2.60 | ☑ | ☐ | ☐ | ☐ | 1/4 duplicate |
| R20-D08 | R615276 | 66.45 | 67.11 | 0.02 | 0 | 31 | 6 | 46.0 | 3 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615278 | 67.11 | 67.97 | 0.01 | 0 | 27 | 4 | 34.0 | 5 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615279 | 67.97 | 68.78 | 0.02 | 0 | 38 | 5 | 31.0 | 3 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D08 | R615280 | 68.78 | 69.11 | 0.01 | 0 | 34 | 8 | 35.0 | 4 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615281 | 69.11 | 69.49 | 0.01 | 1 | 49 | 9 | 44.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615282 | 69.49 | 69.95 | 0.01 | 0 | 111 | 9 | 27.0 | 4 | 3.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D10 | R615283 | 69.95 | 71.02 | 0.01 | 0 | 101 | 5 | 17.0 | 4 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615284 | 71.02 | 72.54 | 0.02 | 0 | 103 | 6 | 21.0 | 4 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615285 | 72.54 | 73.28 | 0.01 | 0 | 80 | 5 | 30.0 | 3 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615286 | 72.54 | 73.28 | 0.01 | 0 | 80 | 5 | 30.0 | 3 | 2.70 | ☑ | ☐ | ☐ | ☐ | 1/4 duplicate |
| R20-D10 | R615287 | 73.28 | 74.07 | 0.01 | 0 | 89 | 4 | 25.0 | 4 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615288 | 74.07 | 74.63 | 0.01 | 0 | 90 | 4 | 26.0 | 4 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615289 | 74.63 | 74.72 | 0.01 | 0 | 129 | 5 | 27.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615290 | 74.72 | 75.59 | 0.01 | 0 | 69 | 3 | 18.0 | 4 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615291 | 75.59 | 77.11 | 0.01 | 0 | 81 | 4 | 18.0 | 4 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615292 | 77.11 | 78.15 | 0.01 | 0 | 84 | 3 | 17.0 | 3 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615293 | 78.15 | 78.28 | 0.02 | 0 | 53 | 8 | 28.0 | 2 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615295 | 78.28 | 78.69 | 0.03 | 0 | 139 | 9 | 33.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615296 | 78.69 | 80.16 | 0.01 | 0 | 54 | 4 | 19.0 | 4 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615297 | 80.16 | 80.22 | 0.03 | 0 | 28 | 9 | 28.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R615299 | 80.22 | 80.59 | 0.01 | 0 | 64 | 4 | 19.0 | 4 | 2.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D10 | R615300 | 80.59 | 80.79 | 0.34 | 0 | 120 | 29 | 36.0 | 1 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613301 | 80.79 | 81.69 | 0.01 | 0 | 60 | 6 | 32.0 | 3 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613302 | 81.69 | 82.25 | 0.02 | 0 | 49 | 5 | 24.0 | 3 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613303 | 82.25 | 82.35 | 0.02 | 0 | 69 | 5 | 35.0 | 2 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613304 | 82.35 | 83.05 | 0.02 | 0 | 69 | 4 | 21.0 | 3 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613305 | 83.05 | 83.43 | 0.02 | 0 | 64 | 4 | 21.0 | 5 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613306 | 83.43 | 83.95 | 0.03 | 0 | 67 | 4 | 21.0 | 4 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613307 | 83.95 | 84.73 | 0.01 | 0 | 100 | 24 | 130.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613309 | 84.73 | 86.26 | 0.01 | 0 | 22 | 2 | 15.0 | 4 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613310 | 86.26 | 86.40 | 0.01 | 0 | 40 | 4 | 26.0 | 4 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613311 | 86.40 | 86.59 | 0.04 | 0 | 50 | 5 | 21.0 | 2 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613312 | 86.59 | 87.51 | 0.01 | 0 | 60 | 4 | 19.0 | 4 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613313 | 87.51 | 87.78 | 0.01 | 0 | 48 | 53 | 47.0 | 2 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613314 | 87.78 | 88.00 | 0.01 | 0 | 50 | 16 | 25.0 | 1 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613315 | 87.78 | 88.00 | 0.01 | 0 | 58 | 17 | 26.0 | 1 | 0.60 | ☐ | ☑ | ☐ | ☐ | Coarse reject |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D10 | R613316 | 88.00 | 88.90 | 0.02 | 0 | 86 | 8 | 23.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613317 | 88.90 | 89.31 | 0.01 | 0 | 66 | 4 | 20.0 | 4 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613318 | 89.31 | 90.28 | 0.01 | 0 | 47 | 4 | 16.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613319 | 90.28 | 90.35 | 0.03 | 0 | 53 | 5 | 20.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D10 | R613320 | 90.35 | 90.83 | 0.02 | 0 | 49 | 5 | 22.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613321 | 90.83 | 92.35 | 0.05 | 0 | 29 | 5 | 19.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613322 | 92.35 | 92.73 | 0.06 | 0 | 37 | 6 | 16.0 | 4 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613323 | 92.73 | 93.88 | 0.05 | 0 | 24 | 10 | 21.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613324 | 93.88 | 94.10 | 0.05 | 0 | 24 | 6 | 16.0 | 2 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613325 | 94.10 | 95.40 | 0.07 | 0 | 20 | 11 | 18.0 | 4 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613326 | 95.40 | 96.93 | 0.03 | 0 | 31 | 17 | 26.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613327 | 96.93 | 98.05 | 0.04 | 0 | 19 | 8 | 15.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613329 | 98.05 | 98.45 | 0.04 | 0 | 45 | 6 | 25.0 | 1 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613330 | 98.45 | 99.53 | 0.07 | 0 | 21 | 6 | 19.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613331 | 99.53 | 99.82 | 0.04 | 0 | 18 | 5 | 23.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D11 | R613333 | 99.82 | 100.55 | 0.02 | 0 | 17 | 6 | 18.0 | 3 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613334 | 100.55 | 100.70 | 0.04 | 0 | 25 | 6 | 24.0 | 1 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613335 | 100.70 | 101.42 | 0.03 | 0 | 26 | 10 | 22.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613336 | 101.42 | 101.50 | 0.08 | 0 | 62 | 12 | 36.0 | 2 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613337 | 101.50 | 103.02 | 0.02 | 0 | 17 | 5 | 20.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613338 | 103.02 | 104.55 | 0.05 | 0 | 18 | 13 | 29.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613339 | 104.55 | 106.07 | 0.04 | 0 | 17 | 7 | 20.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613340 | 106.07 | 106.52 | 0.01 | 0 | 25 | 8 | 18.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613341 | 106.52 | 107.20 | 0.01 | 0 | 17 | 9 | 21.0 | 3 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613342 | 106.52 | 107.20 | 0.02 | 0 | 22 | 9 | 22.0 | 3 | 2.40 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate |
| R20-D11 | R613343 | 107.20 | 108.37 | 0.02 | 0 | 29 | 7 | 20.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613344 | 108.37 | 108.45 | 0.03 | 0 | 33 | 6 | 19.0 | 2 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613345 | 108.45 | 109.72 | 0.03 | 0 | 17 | 10 | 25.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613346 | 109.72 | 110.10 | 0.02 | 0 | 15 | 8 | 30.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613348 | 110.10 | 111.03 | 0.02 | 0 | 20 | 8 | 32.0 | 2 | 1.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D11 | R613349 | 111.03 | 112.82 | 0.02 | 0 | 13 | 10 | 28.0 | 3 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613350 | 112.82 | 113.18 | 0.01 | 0 | 15 | 9 | 25.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613351 | 113.18 | 113.55 | 0.02 | 0 | 13 | 11 | 31.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613352 | 113.55 | 113.66 | 0.02 | 0 | 14 | 11 | 32.0 | 3 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613353 | 113.66 | 115.21 | 0.01 | 0 | 18 | 9 | 32.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613354 | 115.21 | 117.00 | 0.01 | 0 | 23 | 7 | 22.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613356 | 117.00 | 117.15 | 0.02 | 0 | 36 | 7 | 30.0 | 2 | 1.70 | ☐ | ☑ | ☐ | ☐ | |
| R20-D11 | R613355 | 117.00 | 117.15 | 0.01 | 0 | 34 | 7 | 30.0 | 2 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613357 | 117.15 | 118.26 | 0.01 | 0 | 21 | 7 | 29.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613358 | 118.26 | 119.79 | 0.01 | 0 | 17 | 7 | 26.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613359 | 119.79 | 121.19 | 0.01 | 0 | 16 | 7 | 23.0 | 3 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D11 | R613360 | 121.19 | 121.31 | 0.01 | 0 | 20 | 8 | 35.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613361 | 121.31 | 122.83 | 0.01 | 0 | 22 | 6 | 21.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613362 | 122.83 | 123.85 | 0.01 | 0 | 30 | 6 | 17.0 | 3 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613363 | 123.85 | 124.00 | 0.02 | 0 | 29 | 16 | 24.0 | 3 | 2.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D13 | R613364 | 124.00 | 124.18 | 0.01 | 0 | 43 | 14 | 34.0 | 1 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613365 | 124.18 | 124.36 | 0.01 | 0 | 24 | 5 | 27.0 | 5 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613366 | 124.36 | 124.52 | 0.01 | 0 | 26 | 9 | 31.0 | 2 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613368 | 124.52 | 125.88 | 0.01 | 0 | 30 | 4 | 19.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613369 | 125.88 | 126.35 | 0.01 | 0 | 38 | 6 | 23.0 | 2 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613370 | 126.35 | 126.43 | 0.01 | 0 | 16 | 5 | 22.0 | 2 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613371 | 126.43 | 127.41 | 0.01 | 0 | 23 | 3 | 15.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613372 | 127.41 | 128.93 | 0.01 | 0 | 29 | 4 | 16.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613373 | 128.93 | 130.63 | 0.01 | 0 | 20 | 3 | 17.0 | 4 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613374 | 130.63 | 131.86 | 0.01 | 0 | 19 | 3 | 19.0 | 4 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613375 | 131.86 | 133.50 | 0.01 | 0 | 15 | 6 | 28.0 | 4 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613377 | 133.50 | 135.03 | 0.01 | 0 | 19 | 4 | 18.0 | 4 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613378 | 135.03 | 136.16 | 0.01 | 0 | 17 | 3 | 18.0 | 5 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613379 | 136.16 | 136.55 | 0.02 | 0 | 31 | 6 | 20.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613380 | 136.55 | 137.00 | 0.01 | 0 | 34 | 3 | 22.0 | 5 | 2.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D13 | R613381 | 136.55 | 137.00 | 0.01 | 0 | 34 | 3 | 22.0 | 5 | 2.90 | ☑ | ☐ | ☐ | ☐ | |
| R20-D13 | R613382 | 137.00 | 137.53 | 0.01 | 0 | 19 | 3 | 18.0 | 6 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613383 | 137.53 | 137.61 | 0.01 | 0 | 34 | 3 | 14.0 | 6 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613384 | 137.61 | 138.07 | 0.01 | 0 | 17 | 2 | 13.0 | 7 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613385 | 138.07 | 138.60 | 0.02 | 0 | 64 | 4 | 16.0 | 4 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613386 | 138.60 | 139.60 | 0.01 | 0 | 34 | 3 | 20.0 | 5 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613387 | 139.60 | 141.47 | 0.01 | 0 | 40 | 3 | 20.0 | 6 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613388 | 141.47 | 141.75 | 0.02 | 0 | 126 | 7 | 28.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613389 | 141.75 | 142.65 | 0.01 | 0 | 39 | 3 | 31.0 | 7 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613390 | 142.65 | 144.05 | 0.01 | 0 | 49 | 3 | 18.0 | 5 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613391 | 144.05 | 144.73 | 0.01 | 0 | 78 | 4 | 14.0 | 5 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613393 | 144.73 | 146.01 | 0.01 | 0 | 49 | 3 | 16.0 | 6 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613394 | 146.01 | 147.47 | 0.01 | 0 | 51 | 3 | 19.0 | 7 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613395 | 147.47 | 148.46 | 0.01 | 0 | 64 | 4 | 21.0 | 6 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613397 | 148.46 | 149.00 | 0.01 | 0 | 64 | 4 | 20.0 | 7 | 2.90 | ☐ | ☑ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D13 | R613396 | 148.46 | 149.00 | 0.01 | 0 | 66 | 7 | 23.0 | 7 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613399 | 149.00 | 150.42 | 0.01 | 0 | 49 | 4 | 19.0 | 7 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D13 | R613400 | 150.42 | 151.79 | 0.02 | 0 | 52 | 3 | 19.0 | 6 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613401 | 151.79 | 153.31 | 0.01 | 0 | 48 | 4 | 21.0 | 6 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613402 | 153.31 | 154.84 | 0.02 | 0 | 70 | 6 | 19.0 | 7 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613403 | 154.84 | 155.78 | 0.01 | 0 | 59 | 6 | 18.0 | 8 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613404 | 155.78 | 156.63 | 0.01 | 0 | 49 | 4 | 20.0 | 8 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613405 | 155.78 | 156.63 | 0.01 | 0 | 37 | 4 | 19.0 | 8 | 4.30 | ☑ | ☐ | ☐ | ☐ | 1/4 Dup |
| R20-D15 | R613406 | 156.63 | 157.89 | 0.01 | 0 | 22 | 3 | 17.0 | 8 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613407 | 157.89 | 159.41 | 0.01 | 0 | 33 | 6 | 17.0 | 8 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613408 | 159.41 | 160.30 | 0.01 | 0 | 53 | 25 | 18.0 | 7 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613409 | 160.30 | 160.93 | 0.02 | 0 | 73 | 5 | 20.0 | 5 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613410 | 160.93 | 161.20 | 0.01 | 0 | 61 | 3 | 17.0 | 7 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613411 | 161.20 | 161.24 | 0.07 | 0 | 59 | 5 | 14.0 | 9 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613412 | 161.24 | 162.00 | 0.02 | 0 | 57 | 6 | 19.0 | 9 | 5.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D15 | R613413 | 162.00 | 162.15 | 0.04 | 0 | 65 | 9 | 23.0 | 7 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613414 | 162.15 | 162.54 | 0.01 | 0 | 35 | 3 | 13.0 | 8 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613415 | 162.54 | 162.83 | 0.02 | 0 | 39 | 6 | 16.0 | 8 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613416 | 162.54 | 162.83 | 0.03 | 0 | 37 | 6 | 15.0 | 8 | 4.10 | ☐ | ☑ | ☐ | ☐ | Coarse Reject |
| R20-D15 | R613417 | 162.83 | 163.08 | 0.80 | 1 | 643 | 7 | 11.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613419 | 163.08 | 163.98 | 0.02 | 0 | 63 | 5 | 15.0 | 8 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613420 | 163.98 | 164.30 | 0.01 | 0 | 56 | 4 | 15.0 | 7 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613421 | 164.30 | 165.51 | 0.02 | 0 | 96 | 8 | 19.0 | 6 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613422 | 165.51 | 165.75 | 0.06 | 0 | 61 | 5 | 17.0 | 8 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613423 | 165.75 | 166.20 | 0.37 | 0 | 130 | 49 | 80.0 | 5 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613425 | 166.20 | 166.66 | 0.01 | 0 | 49 | 6 | 21.0 | 6 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613426 | 166.66 | 166.90 | 0.05 | 0 | 97 | 10 | 29.0 | 6 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613427 | 166.90 | 167.90 | 0.01 | 0 | 38 | 6 | 18.0 | 8 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613428 | 167.90 | 168.14 | 0.10 | 0 | 45 | 6 | 19.0 | 7 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613429 | 168.14 | 168.56 | 0.25 | 0 | 65 | 4 | 17.0 | 7 | 3.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D15 | R613430 | 168.56 | 168.94 | 0.25 | 0 | 76 | 4 | 17.0 | 8 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613431 | 168.94 | 169.00 | 0.04 | 0 | 190 | 6 | 20.0 | 7 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613432 | 169.00 | 169.24 | 0.20 | 0 | 68 | 10 | 19.0 | 10 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613433 | 169.24 | 169.35 | 0.19 | 0 | 81 | 11 | 23.0 | 5 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613435 | 169.35 | 170.08 | 0.01 | 0 | 48 | 3 | 14.0 | 8 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613436 | 170.08 | 170.84 | 0.02 | 0 | 40 | 2 | 15.0 | 8 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613437 | 170.84 | 171.42 | 0.01 | 0 | 42 | 4 | 25.0 | 6 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613438 | 171.42 | 171.60 | 0.01 | 0 | 17 | 2 | 23.0 | 6 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613439 | 171.60 | 171.89 | 0.02 | 0 | 18 | 2 | 16.0 | 5 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D15 | R613440 | 171.89 | 173.13 | 0.01 | 0 | 37 | 2 | 12.0 | 6 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613441 | 173.13 | 173.36 | 0.02 | 0 | 28 | 2 | 11.0 | 5 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613442 | 173.36 | 173.60 | 0.01 | 0 | 41 | 2 | 9.0 | 5 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613443 | 173.60 | 173.89 | 0.01 | 0 | 27 | 2 | 12.0 | 5 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613444 | 173.89 | 174.10 | 0.02 | 0 | 88 | 3 | 14.0 | 5 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613445 | 174.10 | 174.65 | 0.01 | 0 | 31 | 2 | 11.0 | 5 | 2.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D17 | R613446 | 174.65 | 174.90 | 0.01 | 0 | 20 | 1 | 9.0 | 5 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613447 | 174.90 | 175.23 | 0.01 | 0 | 19 | 1 | 10.0 | 5 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613448 | 175.23 | 175.30 | 0.07 | 0 | 107 | 4 | 18.0 | 5 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613450 | 175.30 | 176.17 | 0.02 | 0 | 35 | 2 | 10.0 | 5 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613451 | 176.17 | 177.70 | 0.03 | 0 | 32 | 2 | 11.0 | 5 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613452 | 177.70 | 179.22 | 0.04 | 0 | 38 | 2 | 11.0 | 5 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613453 | 179.22 | 179.95 | 0.06 | 0 | 24 | 2 | 9.0 | 4 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613455 | 179.95 | 180.08 | 0.10 | 6 | 18 | 5 | 16.0 | 4 | 26.70 | ☐ | ☑ | ☐ | ☐ | Coarse reject |
| R20-D17 | R613454 | 179.95 | 180.08 | 0.11 | 6 | 18 | 4 | 16.0 | 3 | 24.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613456 | 180.08 | 180.75 | 0.03 | 0 | 33 | 2 | 9.0 | 4 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613457 | 180.75 | 182.27 | 0.08 | 0 | 34 | 3 | 11.0 | 4 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613458 | 182.27 | 183.79 | 0.05 | 0 | 83 | 3 | 9.0 | 6 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613459 | 183.79 | 185.32 | 0.03 | 0 | 64 | 3 | 13.0 | 5 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613460 | 183.79 | 185.32 | 0.03 | 0 | 56 | 4 | 19.0 | 6 | 4.00 | ☑ | ☐ | ☐ | ☐ | 1/4 duplicate |
| R20-D17 | R613461 | 185.32 | 186.84 | 0.03 | 0 | 37 | 3 | 20.0 | 6 | 4.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D17 | R613462 | 186.84 | 188.37 | 0.03 | 1 | 68 | 4 | 15.0 | 4 | 7.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613463 | 188.37 | 189.89 | 0.02 | 4 | 42 | 4 | 16.0 | 5 | 26.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613464 | 189.89 | 191.41 | 0.02 | 0 | 37 | 4 | 19.0 | 5 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613465 | 191.41 | 193.85 | 0.05 | 3060 | 5930 | 3 | 20.0 | 5 | 5620.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613466 | 193.85 | 195.75 | 0.03 | 2 | 76 | 6 | 37.0 | 5 | 19.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613467 | 195.75 | 196.50 | 0.01 | 5 | 83 | 7 | 50.0 | 8 | 13.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613468 | 196.50 | 196.90 | 0.01 | 0 | 232 | 9 | 45.0 | 13 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613470 | 196.90 | 199.95 | 0.01 | 0 | 42 | 6 | 38.0 | 6 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613471 | 199.95 | 201.80 | 0.02 | 0 | 40 | 6 | 26.0 | 6 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613472 | 201.80 | 202.00 | 0.06 | 0 | 491 | 12 | 33.0 | 8 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613474 | 202.00 | 204.00 | 0.01 | 0 | 48 | 7 | 36.0 | 6 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613475 | 204.00 | 204.25 | 0.02 | 0 | 56 | 7 | 35.0 | 8 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613476 | 204.25 | 206.05 | 0.01 | 0 | 36 | 8 | 34.0 | 7 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613477 | 206.05 | 207.00 | 0.01 | 0 | 35 | 4 | 36.0 | 5 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613478 | 207.00 | 209.09 | 0.01 | 0 | 34 | 3 | 26.0 | 4 | 3.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D17 | R613479 | 209.09 | 211.00 | 0.01 | 0 | 18 | 4 | 28.0 | 4 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D17 | R613480 | 211.00 | 211.60 | 0.01 | 0 | 23 | 6 | 28.0 | 3 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613481 | 211.60 | 213.60 | 0.01 | 0 | 12 | 3 | 23.0 | 4 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613482 | 213.60 | 213.95 | 0.01 | 0 | 23 | 2 | 16.0 | 4 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613483 | 213.95 | 214.95 | 0.01 | 0 | 26 | 2 | 17.0 | 4 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613484 | 214.95 | 217.00 | 0.01 | 0 | 9 | 2 | 19.0 | 4 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613485 | 217.00 | 218.24 | 0.01 | 0 | 52 | 8 | 22.0 | 5 | 6.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613486 | 218.24 | 219.00 | 0.01 | 0 | 35 | 4 | 27.0 | 4 | 6.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613487 | 219.00 | 221.29 | 0.01 | 0 | 30 | 7 | 23.0 | 5 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613488 | 221.29 | 222.50 | 0.01 | 0 | 36 | 7 | 31.0 | 5 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613489 | 222.50 | 223.10 | 0.03 | 0 | 17 | 7 | 28.0 | 5 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613491 | 223.10 | 224.71 | 0.01 | 0 | 19 | 6 | 31.0 | 6 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613492 | 224.71 | 224.88 | 0.01 | 0 | 15 | 5 | 21.0 | 5 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613493 | 224.88 | 225.45 | 0.01 | 0 | 12 | 4 | 21.0 | 7 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613494 | 225.45 | 225.68 | 0.01 | 0 | 28 | 8 | 35.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D19 | R613495 | 225.68 | 226.27 | 0.01 | 0 | 30 | 6 | 42.0 | 9 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613496 | 226.27 | 226.54 | 0.01 | 0 | 6 | 5 | 45.0 | 11 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613497 | 226.27 | 226.54 | 0.01 | 0 | 10 | 5 | 40.0 | 10 | 4.90 | ☑ | ☐ | ☐ | ☐ | 1/4 Dup |
| R20-D19 | R613498 | 226.54 | 227.00 | 0.01 | 0 | 28 | 6 | 25.0 | 3 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613499 | 227.00 | 227.15 | 0.02 | 2 | 1100 | 4 | 10.0 | 1 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613501 | 227.15 | 227.85 | 0.01 | 0 | 46 | 10 | 46.0 | 9 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613502 | 227.85 | 228.20 | 0.02 | 0 | 141 | 7 | 34.0 | 6 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613503 | 228.20 | 230.43 | 0.01 | 0 | 11 | 6 | 33.0 | 6 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613504 | 230.43 | 232.00 | 0.01 | 0 | 37 | 4 | 23.0 | 5 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613505 | 232.00 | 235.00 | 0.01 | 0 | 19 | 5 | 46.0 | 8 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613506 | 235.00 | 236.52 | 0.01 | 0 | 33 | 4 | 39.0 | 11 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613507 | 236.52 | 239.57 | 0.01 | 0 | 35 | 4 | 25.0 | 4 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613508 | 239.57 | 242.62 | 0.01 | 1 | 39 | 5 | 25.0 | 4 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613509 | 242.62 | 245.67 | 0.02 | 7 | 77 | 6 | 29.0 | 4 | 52.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613510 | 245.67 | 248.72 | 0.01 | 0 | 40 | 4 | 31.0 | 4 | 1.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D19 | R613511 | 248.72 | 251.46 | 0.02 | 0 | 88 | 7 | 54.0 | 8 | 5.60 | ☐ | ☐ | ☐ | ☐ | AS-2-001 EOH |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531243 | 7114180 | 1058 | 290.78 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: AS -20-002**

**CLAIM:**

Contractor: Superior

Drill: 3

Core Size: HQ3

Casing Depth:

Drilling Dates: Aug 28 - Sep 14, 2020

Geology Logged By: M. Rego

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| 0 | 210.5 | -50 | Reflex |
| 290.77 | 201.16 | -47.5 | Reflex |

**TARGET:** Twinning ASR-16-006

| SUMMARY | | | |
|---|---|---|---|
| From (m) | To (m) | Interval (m) | Rock Type |
| 0 | 1.12 | 1.12 | OVB |
| 1.12 | 117.25 | 116.13 | PHY |
| 117.25 | 121.85 | 4.6 | PHY |
| 121.85 | 126.5 | 4.65 | BAS |
| 126.5 | 127.71 | 1.21 | PHY |
| 127.71 | 138.38 | 10.67 | BAS |
| 138.38 | 144.47 | 6.09 | VOI |
| 144.47 | 161.34 | 16.87 | PHY |
| 161.34 | 162.76 | 1.42 | QV |
| 162.76 | 164.29 | 1.53 | PHY |
| 164.29 | 167.33 | 3.04 | VOI |
| 167.33 | 168.72 | 1.39 | QV |
| 168.72 | 168.77 | 0.05 | FLR |
| 168.77 | 170.48 | 1.71 | BAS |
| 170.48 | 170.84 | 0.36 | QV |
| 170.84 | 171.9 | 1.06 | BAS |

| SAMPLES | |
|---|---|
| Numbers: | 0, W233201 to W233464 |
| Total: | 265 |
| Batch: | D09, D12, D14, D16, D18, D23, D25 |
| Certificates: | WH20197161, WH20204427, WH20204446, WH20208108, WH20213729, WH20213737, WH20218119, WH21003526 |

**COMMENTS**

Hole ended at target depth. Significant drill complications due to bad ground. Ended in rubbly, unmineralized phyllite.

| | | | |
|---|---|---|---|
| 171.9 | 172.2 | 0.3 | FLT |
| 172.2 | 172.3 | 0.1 | FLT |
| 172.3 | 178 | 5.7 | BAS |
| 178 | 181.05 | 3.05 | BAS |
| 181.05 | 182.85 | 1.8 | PHY |
| 182.85 | 190.05 | 7.2 | BAS |
| 190.05 | 190.45 | 0.4 | PHY |
| 190.45 | 197.4 | 6.95 | BAS |
| 197.4 | 204 | 6.6 | PHY |
| 204 | 227.6 | 23.6 | BAS |
| 227.6 | 235.12 | 7.52 | PHY |
| 235.12 | 240.04 | 4.92 | BAS |
| 240.04 | 242.3 | 2.26 | QV |
| 242.3 | 243.25 | 0.95 | PHY |
| 243.25 | 290.78 | 47.53 | BAS |

# AS -20-002



| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233402 | ☐ | R20-D23 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233459 | ☐ | R20-D25 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233450 | ☐ | R20-D25 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233446 | ☐ | R20-D25 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233206 | ☐ | R20-D09 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233408 | ☐ | R20-D23 | Core | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233384 | ☐ | R20-D18 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233374 | ☐ | R20-D18 | Core | GS-3Q | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233370 | ☐ | R20-D18 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233344 | ☐ | R20-D16 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233223 | ☐ | R20-D09 | Core | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233328 | ☐ | R20-D16 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233310 | ☐ | R20-D14 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233292 | ☐ | R20-D14 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233287 | ☐ | R20-D14 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233437 | ☐ | R20-D23 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233265 | ☐ | R20-D12 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233256 | ☐ | R20-D12 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233245 | ☐ | R20-D12 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233227 | ☐ | R20-D09 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233338 | ☐ | R20-D16 | Core | | ☑ | ☐ | ☐ |
| 1.22 | 4.27 | 3.05 | PHY | 0.29 | 10 | W233201 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 4.27 | 7.32 | 3.05 | PHY | 0.59 | 19 | W233202 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 7.32 | 10.36 | 3.04 | PHY | 1.90 | 63 | W233203 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 10.36 | 13.41 | 3.05 | PHY | 2.72 | 89 | W233204 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 13.41 | 16.46 | 3.05 | PHY | 0.73 | 24 | W233205 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.46 | 19.51 | 3.05 | PHY | 0.20 | 7 | W233207 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 19.51 | 22.56 | 3.05 | PHY | 0.36 | 12 | W233208 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 22.56 | 25.60 | 3.04 | PHY | 0.87 | 29 | W233209 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 25.60 | 28.65 | 3.05 | PHY | 0.40 | 13 | W233210 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 28.65 | 31.00 | 2.35 | PHY | 2.14 | 91 | W233211 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 31.00 | 31.70 | 0.70 | PHY | 0.60 | 86 | W233212 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 31.00 | 31.70 | 0.70 | PHY | 0.60 | 86 | W233213 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☑ |
| 31.70 | 32.80 | 1.10 | PHY | 1.04 | 95 | W233214 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 32.80 | 33.23 | 0.43 | PHY | 0.38 | 88 | W233215 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 33.23 | 33.36 | 0.13 | PHY | 0.13 | 100 | W233216 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 33.36 | 34.40 | 1.04 | PHY | 0.77 | 74 | W233217 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 34.40 | 35.00 | 0.60 | PHY | 0.60 | 100 | W233218 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 35.00 | 35.45 | 0.45 | PHY | 0.23 | 51 | W233219 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 35.45 | 35.57 | 0.12 | PHY | 0.12 | 100 | W233220 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 35.57 | 36.43 | 0.86 | PHY | 0.82 | 95 | W233221 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 36.43 | 37.00 | 0.57 | PHY | 0.57 | 100 | W233222 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 37.00 | 37.70 | 0.70 | PHY | 0.63 | 90 | W233224 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 37.70 | 37.80 | 0.10 | PHY | 0.10 | 100 | W233225 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 37.80 | 38.00 | 0.20 | PHY | 0.20 | 100 | W233226 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 38.00 | 38.55 | 0.55 | PHY | 0.55 | 100 | W233228 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 38.55 | 38.95 | 0.40 | PHY | 0.40 | 100 | W233229 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 38.95 | 39.28 | 0.33 | PHY | 0.30 | 91 | W233230 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 39.28 | 40.06 | 0.78 | PHY | 0.78 | 100 | W233231 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 39.28 | 40.06 | 0.78 | PHY | 0.78 | 100 | W233232 | ☐ | R20-D09 | Core | | ☐ | ☑ | ☐ |
| 40.06 | 40.84 | 0.78 | PHY | 0.64 | 82 | W233233 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 40.84 | 41.13 | 0.29 | PHY | 0.25 | 86 | W233234 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 41.13 | 42.17 | 1.04 | PHY | 0.94 | 90 | W233235 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 42.17 | 43.00 | 0.83 | PHY | 0.07 | 8 | W233236 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43.00 | 43.89 | 0.89 | PHY | 0.71 | 80 | W233237 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 43.89 | 44.70 | 0.81 | PHY | 0.74 | 91 | W233238 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 44.70 | 45.00 | 0.30 | PHY | 0.30 | 100 | W233239 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 45.00 | 45.60 | 0.60 | PHY | 0.54 | 90 | W233240 | ☐ | R20-D09 | Core | | ☐ | ☐ | ☐ |
| 45.60 | 46.20 | 0.60 | PHY | 0.38 | 63 | W233241 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 46.20 | 46.98 | 0.78 | PHY | 0.72 | 92 | W233242 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 46.98 | 47.59 | 0.61 | PHY | 0.55 | 90 | W233243 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 47.59 | 48.57 | 0.98 | PHY | 0.60 | 61 | W233244 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 48.57 | 49.14 | 0.57 | PHY | 0.22 | 39 | W233246 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 49.14 | 49.99 | 0.85 | PHY | 0.70 | 82 | W233247 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 49.99 | 50.73 | 0.74 | PHY | 0.73 | 99 | W233248 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 50.73 | 51.73 | 1.00 | PHY | 0.72 | 72 | W233249 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 51.73 | 52.04 | 0.31 | PHY | 0.29 | 94 | W233250 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 52.04 | 53.30 | 1.26 | PHY | 1.10 | 87 | W233251 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 53.30 | 53.45 | 0.15 | PHY | 0.15 | 100 | W233252 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 53.45 | 54.56 | 1.11 | PHY | 0.80 | 72 | W233253 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 54.56 | 56.08 | 1.52 | PHY | 0.00 | 0 | | ☑ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 56.08 | 57.20 | 1.12 | PHY | 0.44 | 39 | W233254 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 57.20 | 59.20 | 2.00 | PHY | 0.96 | 48 | W233255 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 59.20 | 60.10 | 0.90 | PHY | 0.58 | 64 | W233257 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 60.10 | 60.66 | 0.56 | PHY | 0.40 | 71 | W233258 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 60.66 | 61.12 | 0.46 | PHY | 0.30 | 65 | W233259 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 61.12 | 61.16 | 0.04 | PHY | 0.04 | 100 | W233260 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 61.16 | 62.22 | 1.06 | PHY | 0.54 | 51 | W233261 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 61.16 | 62.22 | 1.06 | PHY | 0.54 | 51 | W233262 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☑ |
| 62.22 | 62.31 | 0.09 | PHY | 0.09 | 100 | W233263 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 62.31 | 63.06 | 0.75 | PHY | 0.33 | 44 | W233264 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 63.06 | 63.11 | 0.05 | PHY | 0.05 | 100 | W233266 | ☐ | R20-D12 | Core | GS-P5E | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63.11 | 64.06 | 0.95 | PHY | 0.42 | 44 | W233267 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 64.06 | 64.30 | 0.24 | PHY | 0.24 | 100 | W233268 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 64.30 | 66.75 | 2.45 | PHY | 1.06 | 43 | W233269 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 66.75 | 68.28 | 1.53 | PHY | 0.90 | 59 | W233270 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 68.28 | 69.80 | 1.52 | PHY | 0.89 | 59 | W233271 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 69.80 | 71.32 | 1.52 | PHY | 1.16 | 76 | W233272 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 71.32 | 71.90 | 0.58 | PHY | 0.10 | 17 | W233273 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 71.90 | 72.00 | 0.10 | PHY | 0.10 | 100 | W233274 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 72.00 | 72.85 | 0.85 | PHY | 0.49 | 58 | W233275 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 72.85 | 74.37 | 1.52 | PHY | 1.02 | 67 | W233276 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 74.37 | 75.90 | 1.53 | PHY | 0.80 | 52 | W233277 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 74.37 | 75.90 | 1.53 | PHY | 0.80 | 52 | W233278 | ☐ | R20-D12 | Core | | ☐ | ☑ | ☐ |
| 75.90 | 77.42 | 1.52 | PHY | 0.56 | 37 | W233279 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 77.42 | 78.75 | 1.33 | PHY | 1.01 | 76 | W233280 | ☐ | R20-D12 | Core | | ☐ | ☐ | ☐ |
| 78.75 | 78.94 | 0.19 | PHY | 0.17 | 89 | W233281 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 78.94 | 82.00 | 3.06 | PHY | 0.24 | 8 | W233282 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 82.00 | 83.52 | 1.52 | PHY | 1.42 | 93 | W233283 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 82.00 | 83.52 | 1.52 | PHY | 1.42 | 93 | W233284 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☑ |
| 83.52 | 85.04 | 1.52 | PHY | 0.60 | 39 | W233285 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 85.04 | 86.56 | 1.52 | PHY | 1.29 | 85 | W233286 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 86.56 | 86.70 | 0.14 | PHY | 0.14 | 100 | W233288 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 86.70 | 88.09 | 1.39 | PHY | 0.95 | 68 | W233289 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 88.09 | 89.61 | 1.52 | PHY | 0.87 | 57 | W233290 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 89.61 | 90.15 | 0.54 | PHY | 0.44 | 81 | W233291 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 90.15 | 91.14 | 0.99 | PHY | 0.80 | 81 | W233293 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 91.14 | 92.25 | 1.11 | PHY | 0.72 | 65 | W233294 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 92.25 | 92.43 | 0.18 | PHY | 0.18 | 100 | W233295 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 92.43 | 92.70 | 0.27 | PHY | 0.18 | 67 | W233296 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 92.70 | 93.24 | 0.54 | PHY | 0.33 | 61 | W233297 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 93.24 | 93.40 | 0.16 | PHY | 0.15 | 94 | W233298 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 93.40 | 94.18 | 0.78 | PHY | 0.36 | 46 | W233299 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 93.40 | 94.18 | 0.78 | PHY | 0.36 | 46 | W233300 | ☐ | R20-D14 | Core | | ☐ | ☑ | ☐ |
| 94.18 | 96.07 | 1.89 | PHY | 0.60 | 32 | W233301 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 96.07 | 97.23 | 1.16 | PHY | 0.59 | 51 | W233302 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 97.23 | 100.28 | 3.05 | PHY | 0.82 | 27 | W233303 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 100.28 | 100.56 | 0.28 | PHY | 0.28 | 100 | W233304 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 100.56 | 100.93 | 0.37 | PHY | 0.16 | 43 | W233305 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 100.93 | 103.50 | 2.57 | PHY | 1.83 | 71 | W233306 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 103.50 | 104.64 | 1.14 | PHY | 0.74 | 65 | W233307 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 104.64 | 104.85 | 0.21 | PHY | 0.15 | 71 | W233308 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 104.85 | 105.34 | 0.49 | PHY | 0.48 | 98 | W233309 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 105.34 | 106.87 | 1.53 | PHY | 0.93 | 61 | W233311 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 106.87 | 108.55 | 1.68 | PHY | 0.13 | 8 | W233312 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 108.55 | 109.42 | 0.87 | PHY | 0.74 | 85 | W233313 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 109.42 | 110.94 | 1.52 | PHY | 1.26 | 83 | W233314 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 110.94 | 111.80 | 0.86 | PHY | 0.29 | 34 | W233315 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 111.80 | 112.42 | 0.62 | PHY | 0.56 | 90 | W233316 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 112.42 | 112.92 | 0.50 | PHY | 0.18 | 36 | W233317 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 112.92 | 114.00 | 1.08 | PHY | 0.76 | 70 | W233318 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 114.00 | 114.43 | 0.43 | PHY | 0.43 | 100 | W233319 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 114.43 | 114.53 | 0.10 | PHY | 0.10 | 100 | W233320 | ☐ | R20-D14 | Core | | ☐ | ☐ | ☐ |
| 114.53 | 114.93 | 0.40 | PHY | 0.30 | 75 | W233321 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 114.93 | 115.11 | 0.18 | PHY | 0.17 | 94 | W233322 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 115.11 | 115.52 | 0.41 | PHY | 0.29 | 71 | W233323 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 115.11 | 115.52 | 0.41 | PHY | 0.29 | 71 | W233324 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☑ |
| 115.52 | 115.57 | 0.05 | PHY | 0.05 | 100 | W233325 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115.57 | 117.04 | 1.47 | PHY | 1.15 | 78 | W233326 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 117.04 | 117.25 | 0.21 | PHY | 0.10 | 48 | W233327 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 117.25 | 118.57 | 1.32 | PHY, PHY | 1.01 | 77 | W233329 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 118.57 | 120.10 | 1.53 | PHY | 1.11 | 73 | W233330 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 120.10 | 121.85 | 1.75 | PHY | 1.75 | 100 | W233331 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 121.85 | 123.14 | 1.29 | PHY, BAS | 0.98 | 76 | W233332 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 123.14 | 123.87 | 0.73 | BAS | 0.37 | 51 | W233333 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 123.87 | 124.20 | 0.33 | BAS | 0.25 | 76 | W233334 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 124.20 | 124.67 | 0.47 | BAS | 0.25 | 53 | W233335 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 124.67 | 126.19 | 1.52 | BAS | 0.93 | 61 | W233336 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 126.19 | 127.71 | 1.52 | BAS | 0.39 | 26 | W233337 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 127.71 | 129.29 | 1.58 | BAS, PHY | 0.75 | 47 | W233339 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 129.29 | 130.00 | 0.71 | BAS | 0.30 | 42 | W233340 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 130.00 | 130.76 | 0.76 | BAS | 0.27 | 36 | W233341 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 130.76 | 132.28 | 1.52 | BAS | 0.39 | 26 | W233342 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 132.28 | 135.33 | 3.05 | BAS | 1.01 | 33 | W233343 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 135.33 | 138.38 | 3.05 | BAS | 0.56 | 18 | W233345 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 144.47 | 147.52 | 3.05 | PHY, VOI | 0.83 | 27 | W233346 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 147.52 | 150.57 | 3.05 | PHY | 0.46 | 15 | W233347 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 150.57 | 153.62 | 3.05 | PHY | 0.19 | 6 | W233348 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 153.62 | 156.67 | 3.05 | PHY | 0.45 | 15 | W233349 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 156.67 | 159.71 | 3.04 | PHY | 0.20 | 7 | W233350 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 159.71 | 161.34 | 1.63 | PHY | 0.25 | 15 | W233351 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 161.34 | 162.76 | 1.42 | PHY, QV | 0.20 | 14 | W233352 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 162.76 | 164.29 | 1.53 | PHY, QV | 0.25 | 16 | W233353 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 164.29 | 167.33 | 3.04 | PHY, VOI | 0.00 | 0 | 0 | ☑ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 167.33 | 168.00 | 0.67 | VOI, QV | 0.20 | 30 | W233354 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 168.00 | 170.38 | 2.38 | QV | 1.18 | 50 | W233355 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 168.00 | 170.38 | 2.38 | QV | 1.18 | 50 | W233356 | ☐ | R20-D16 | Core | | ☐ | ☑ | ☐ |
| 170.38 | 171.08 | 0.70 | BAS | 0.45 | 64 | W233357 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 171.08 | 172.53 | 1.45 | BAS | 0.58 | 40 | W233358 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 172.53 | 173.43 | 0.90 | BAS | 0.53 | 59 | W233359 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 173.43 | 174.95 | 1.52 | BAS | 0.51 | 34 | W233360 | ☐ | R20-D16 | Core | | ☐ | ☐ | ☐ |
| 174.95 | 178.00 | 3.05 | BAS | 1.30 | 43 | W233361 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 178.00 | 179.53 | 1.53 | BAS, BAS | 0.85 | 56 | W233362 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 179.53 | 180.21 | 0.68 | BAS | 0.68 | 100 | W233363 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 180.21 | 181.05 | 0.84 | BAS | 0.60 | 71 | W233364 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 181.05 | 182.57 | 1.52 | BAS, PHY | 1.42 | 93 | W233365 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 182.57 | 183.38 | 0.81 | PHY | 0.78 | 96 | W233366 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 183.38 | 184.35 | 0.97 | BAS | 0.78 | 80 | W233367 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 184.35 | 184.82 | 0.47 | BAS | 0.38 | 81 | W233368 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 184.82 | 184.88 | 0.06 | BAS | 0.06 | 100 | W233369 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 184.88 | 185.76 | 0.88 | BAS | 0.86 | 98 | W233371 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 185.76 | 185.86 | 0.10 | BAS | 0.06 | 60 | W233372 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 185.86 | 186.49 | 0.63 | BAS | 0.60 | 95 | W233373 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 186.49 | 187.58 | 1.09 | BAS | 0.90 | 83 | W233375 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 187.58 | 187.98 | 0.40 | BAS | 0.28 | 70 | W233376 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 187.98 | 188.23 | 0.25 | BAS | 0.20 | 80 | W233377 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 188.23 | 189.13 | 0.90 | BAS | 0.90 | 100 | W233378 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 189.13 | 189.42 | 0.29 | BAS | 0.25 | 86 | W233379 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 189.42 | 190.00 | 0.58 | BAS | 0.42 | 72 | W233380 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 190.00 | 190.95 | 0.95 | BAS | 0.17 | 18 | W233381 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 190.95 | 191.30 | 0.35 | BAS | 0.30 | 86 | W233382 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 191.30 | 193.29 | 1.99 | BAS | 1.63 | 82 | W233383 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 193.29 | 194.77 | 1.48 | BAS | 0.34 | 23 | W233385 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 194.77 | 196.25 | 1.48 | BAS | 0.37 | 25 | W233386 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 196.25 | 196.40 | 0.15 | BAS | 0.15 | 100 | W233387 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 196.40 | 197.14 | 0.74 | BAS | 0.46 | 62 | W233388 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 196.40 | 197.14 | 0.74 | BAS | 0.46 | 62 | W233389 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☑ |
| 197.14 | 197.40 | 0.26 | BAS | 0.25 | 96 | W233390 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 197.40 | 199.34 | 1.94 | BAS, PHY | 1.60 | 82 | W233391 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 197.40 | 199.34 | 1.94 | BAS, PHY | 1.60 | 82 | W233392 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☑ |
| 199.34 | 202.39 | 3.05 | PHY | 1.67 | 55 | W233393 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 202.39 | 204.00 | 1.61 | PHY | 0.72 | 45 | W233394 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 204.00 | 207.00 | 3.00 | PHY, BAS | 1.35 | 45 | W233395 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 207.00 | 208.64 | 1.64 | BAS | 0.95 | 58 | W233396 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 208.64 | 208.90 | 0.26 | BAS | 0.26 | 100 | W233397 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 208.90 | 210.00 | 1.10 | BAS | 0.70 | 64 | W233398 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 210.00 | 211.53 | 1.53 | BAS | 0.82 | 54 | W233399 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 211.53 | 214.58 | 3.05 | BAS | 1.11 | 36 | W233400 | ☐ | R20-D18 | Core | | ☐ | ☐ | ☐ |
| 214.58 | 215.30 | 0.72 | BAS | 0.65 | 90 | W233401 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 215.30 | 216.00 | 0.70 | BAS | 0.70 | 100 | W233403 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 216.00 | 216.52 | 0.52 | BAS | 0.50 | 96 | W233404 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 216.52 | 218.10 | 1.58 | BAS | 1.55 | 98 | W233405 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 218.10 | 218.81 | 0.71 | BAS | 0.71 | 100 | W233406 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 218.81 | 220.75 | 1.94 | BAS | 1.48 | 76 | W233407 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 220.75 | 221.20 | 0.45 | BAS | 0.45 | 100 | W233409 | ☐ | R20-D23 | Core | GS-5X | ☐ | ☐ | ☐ |
| 221.20 | 222.43 | 1.23 | BAS | 1.05 | 85 | W233410 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 222.43 | 223.04 | 0.61 | BAS | 0.58 | 95 | W233411 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 223.04 | 223.72 | 0.68 | BAS | 0.65 | 96 | W233412 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 223.72 | 225.05 | 1.33 | BAS | 1.30 | 98 | W233413 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 225.05 | 226.77 | 1.72 | BAS | 1.70 | 99 | W233414 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 226.77 | 227.26 | 0.49 | BAS | 0.45 | 92 | W233415 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 227.26 | 227.70 | 0.44 | BAS | 0.40 | 91 | W233416 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 227.70 | 229.81 | 2.11 | PHY | 1.38 | 65 | W233417 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 229.81 | 232.00 | 2.19 | PHY | 2.14 | 98 | W233418 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 232.00 | 233.95 | 1.95 | PHY | 1.50 | 77 | W233419 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 233.95 | 234.90 | 0.95 | PHY | 0.60 | 63 | W233420 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 234.90 | 235.40 | 0.50 | PHY | 0.40 | 80 | W233421 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 235.40 | 235.55 | 0.15 | BAS | 0.15 | 100 | W233422 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 235.55 | 236.00 | 0.45 | BAS | 0.35 | 78 | W233423 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 236.00 | 236.10 | 0.10 | BAS | 0.10 | 100 | W233424 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 236.10 | 236.85 | 0.75 | BAS | 0.70 | 93 | W233425 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 236.85 | 237.33 | 0.48 | BAS | 0.45 | 94 | W233426 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 237.33 | 237.53 | 0.20 | BAS | 0.20 | 100 | W233427 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 237.53 | 238.53 | 1.00 | BAS | 0.85 | 85 | W233428 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 238.53 | 238.79 | 0.26 | BAS | 0.26 | 100 | W233429 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 238.79 | 239.47 | 0.68 | BAS | 0.68 | 100 | W233430 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 239.47 | 239.72 | 0.25 | BAS | 0.22 | 88 | W233431 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 239.72 | 240.04 | 0.32 | BAS | 0.32 | 100 | W233432 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 239.72 | 240.04 | 0.32 | BAS | 0.32 | 100 | W233433 | ☐ | R20-D23 | Core | | ☐ | ☑ | ☐ |
| 240.04 | 241.75 | 1.71 | BAS, QV | 1.46 | 85 | W233434 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 241.75 | 242.22 | 0.47 | QV | 0.40 | 85 | W233435 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 241.75 | 242.22 | 0.47 | QV | 0.40 | 85 | W233436 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☑ |
| 242.22 | 243.00 | 0.78 | QV | 0.55 | 71 | W233438 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 243.00 | 244.12 | 1.12 | PHY | 0.52 | 46 | W233439 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.12 | 244.90 | 0.78 | BAS | 0.67 | 86 | W233440 | ☐ | R20-D23 | Core | | ☐ | ☐ | ☐ |
| 244.90 | 245.50 | 0.60 | BAS | 0.56 | 93 | W233441 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 245.50 | 246.00 | 0.50 | BAS | 0.45 | 90 | W233442 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 246.00 | 248.11 | 2.11 | BAS | 2.05 | 97 | W233443 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 248.11 | 249.00 | 0.89 | BAS | 0.87 | 98 | W233444 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 249.00 | 251.16 | 2.16 | BAS | 1.63 | 75 | W233445 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 251.16 | 254.20 | 3.04 | BAS | 2.30 | 76 | W233447 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 254.20 | 257.25 | 3.05 | BAS | 3.05 | 100 | W233448 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 257.25 | 260.29 | 3.04 | BAS | 2.05 | 67 | W233449 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 260.29 | 260.95 | 0.66 | BAS | 0.66 | 100 | W233451 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 260.95 | 263.34 | 2.39 | BAS | 2.37 | 99 | W233452 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 263.34 | 266.39 | 3.05 | BAS | 1.65 | 54 | W233453 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 266.39 | 269.44 | 3.05 | BAS | 2.47 | 81 | W233454 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 269.44 | 272.49 | 3.05 | BAS | 3.00 | 98 | W233455 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 272.49 | 275.53 | 3.04 | BAS | 2.69 | 88 | W233456 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 272.49 | 275.53 | 3.04 | BAS | 2.69 | 88 | W233457 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☑ |
| 275.53 | 278.58 | 3.05 | BAS | 2.20 | 72 | W233458 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 278.58 | 281.63 | 3.05 | BAS | 2.66 | 87 | W233460 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 281.63 | 284.68 | 3.05 | BAS | 2.12 | 70 | W233461 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 284.68 | 287.73 | 3.05 | BAS | 2.84 | 93 | W233462 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 287.73 | 290.78 | 3.05 | BAS | 2.02 | 66 | W233463 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 287.73 | 290.78 | 3.05 | BAS | 2.02 | 66 | W233464 | ☐ | R20-D25 | Core | | ☐ | ☑ | ☐ |

# Sample Results



Archer,Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D12 | W233256 | 0.00 | 0.00 | 1.36 | 76 | 220 | 1460 | 2770.0 | 2 | 10.80 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D23 | W233408 | 0.00 | 0.00 | 5.29 | 12 | 2240 | 881 | 2260.0 | 5 | 7.30 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D18 | W233384 | 0.00 | 0.00 | 1.24 | 62 | 213 | 1430 | 2750.0 | 2 | 13.70 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D16 | W233344 | 0.00 | 0.00 | 1.27 | 73 | 219 | 1400 | 2670.0 | 2 | 17.30 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D12 | W233245 | 0.00 | 0.00 | 0.01 | 0 | 110 | 4 | 29.0 | 18 | 6.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D25 | W233450 | 0.00 | 0.00 | 0.01 | 0 | 2 | 0 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D09 | W233223 | 0.00 | 0.00 | 5.15 | 12 | 2040 | 783 | 2060.0 | 4 | 7.60 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D23 | W233402 | 0.00 | 0.00 | 1.31 | 67 | 214 | 1540 | 2780.0 | 2 | 10.80 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D16 | W233338 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 5.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D18 | W233370 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 3.0 | 0 | 1.60 | ☐ | ☐ | ☑ | ☐ | |
| R20-D14 | W233310 | 0.00 | 0.00 | 1.18 | 66 | 219 | 1460 | 2700.0 | 2 | 13.00 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D14 | W233287 | 0.00 | 0.00 | 0.73 | 2 | 47 | 126 | 212.0 | 1 | 10.20 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D18 | W233374 | 0.00 | 0.00 | 3.37 | 8 | 181 | 33 | 146.0 | 2 | 2.30 | ☐ | ☐ | ☐ | ☑ GS-3Q | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D25 | W233446 | 0.00 | 0.00 | 0.69 | 2 | 46 | 122 | 202.0 | 1 | 10.90 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D09 | W233227 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D14 | W233292 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 4.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D09 | W233206 | 0.00 | 0.00 | 0.72 | 2 | 43 | 125 | 210.0 | 1 | 15.70 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D25 | W233459 | 0.00 | 0.00 | 1.34 | 76 | 219 | 1480 | 2710.0 | 2 | 11.70 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D16 | W233328 | 0.00 | 0.00 | 0.62 | 1 | 40 | 122 | 216.0 | 1 | 11.00 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D23 | W233437 | 0.00 | 0.00 | 0.01 | 0 | 19 | 0 | 4.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D12 | W233265 | 0.00 | 0.00 | 0.68 | 1 | 43 | 121 | 213.0 | 1 | 10.50 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D09 | W233201 | 1.22 | 4.27 | 0.02 | 0 | 46 | 2 | 23.0 | 12 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233202 | 4.27 | 7.32 | 0.05 | 0 | 43 | 2 | 19.0 | 13 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233203 | 7.32 | 10.36 | 0.15 | 3 | 59 | 2 | 20.0 | 15 | 12.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233204 | 10.36 | 13.41 | 0.16 | 2 | 45 | 3 | 14.0 | 16 | 11.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233205 | 13.41 | 16.46 | 0.15 | 2 | 41 | 2 | 11.0 | 19 | 10.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233207 | 16.46 | 19.51 | 1.60 | 1 | 8 | 4 | 9.0 | 20 | 9.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233208 | 19.51 | 22.56 | 0.09 | 0 | 70 | 2 | 15.0 | 14 | 7.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D09 | W233209 | 22.56 | 25.60 | 0.04 | 0 | 11 | 2 | 7.0 | 18 | 7.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233210 | 25.60 | 28.65 | 0.05 | 0 | 5 | 1 | 5.0 | 17 | 6.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233211 | 28.65 | 31.00 | 0.24 | 0 | 41 | 2 | 16.0 | 15 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233213 | 31.00 | 31.70 | 0.11 | 0 | 58 | 2 | 26.0 | 12 | 3.20 | ☐ | ☑ | ☐ | ☐ | |
| R20-D09 | W233212 | 31.00 | 31.70 | 0.16 | 0 | 60 | 2 | 25.0 | 12 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233214 | 31.70 | 32.80 | 0.03 | 0 | 27 | 1 | 31.0 | 13 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233215 | 32.80 | 33.23 | 0.02 | 0 | 40 | 2 | 22.0 | 13 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233216 | 33.23 | 33.36 | 0.05 | 0 | 85 | 2 | 16.0 | 9 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233217 | 33.36 | 34.40 | 0.07 | 0 | 12 | 2 | 12.0 | 12 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233218 | 34.40 | 35.00 | 0.02 | 0 | 8 | 1 | 15.0 | 12 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233219 | 35.00 | 35.45 | 0.01 | 0 | 26 | 2 | 12.0 | 14 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233220 | 35.45 | 35.57 | 0.02 | 0 | 16 | 3 | 29.0 | 8 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233221 | 35.57 | 36.43 | 0.08 | 0 | 17 | 1 | 19.0 | 17 | 7.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233222 | 36.43 | 37.00 | 0.09 | 0 | 36 | 1 | 33.0 | 14 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233224 | 37.00 | 37.70 | 0.02 | 0 | 7 | 2 | 19.0 | 19 | 8.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D09 | W233225 | 37.70 | 37.80 | 0.11 | 0 | 32 | 5 | 33.0 | 11 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233226 | 37.80 | 38.00 | 0.07 | 0 | 33 | 7 | 58.0 | 19 | 8.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233228 | 38.00 | 38.55 | 0.24 | 0 | 29 | 4 | 54.0 | 14 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233229 | 38.55 | 38.95 | 0.01 | 0 | 7 | 2 | 17.0 | 25 | 9.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233230 | 38.95 | 39.28 | 0.07 | 0 | 45 | 6 | 37.0 | 19 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233232 | 39.28 | 40.06 | 0.03 | 0 | 18 | 2 | 31.0 | 19 | 7.30 | ☑ | ☐ | ☐ | ☐ | |
| R20-D09 | W233231 | 39.28 | 40.06 | 0.03 | 0 | 18 | 2 | 33.0 | 19 | 7.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233233 | 40.06 | 40.84 | 0.37 | 0 | 48 | 6 | 38.0 | 18 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233234 | 40.84 | 41.13 | 0.22 | 0 | 29 | 8 | 48.0 | 17 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233235 | 41.13 | 42.17 | 0.08 | 0 | 11 | 2 | 189.0 | 20 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233236 | 42.17 | 43.00 | 0.02 | 0 | 6 | 2 | 61.0 | 14 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233237 | 43.00 | 43.89 | 0.03 | 0 | 11 | 4 | 54.0 | 25 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233238 | 43.89 | 44.70 | 0.02 | 0 | 9 | 7 | 26.0 | 19 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233239 | 44.70 | 45.00 | 0.06 | 0 | 9 | 3 | 23.0 | 13 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D09 | W233240 | 45.00 | 45.60 | 0.11 | 0 | 11 | 3 | 18.0 | 19 | 6.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D12 | W233241 | 45.60 | 46.20 | 0.09 | 0 | 13 | 3 | 28.0 | 20 | 8.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233242 | 46.20 | 46.98 | 0.09 | 0 | 16 | 2 | 49.0 | 21 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233243 | 46.98 | 47.59 | 0.04 | 0 | 33 | 6 | 33.0 | 23 | 7.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233244 | 47.59 | 48.57 | 0.02 | 0 | 1 | 2 | 5.0 | 0 | 0.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233246 | 48.57 | 49.14 | 0.06 | 0 | 129 | 3 | 27.0 | 19 | 7.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233247 | 49.14 | 49.99 | 0.02 | 0 | 110 | 4 | 22.0 | 15 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233248 | 49.99 | 50.73 | 0.31 | 0 | 30 | 3 | 17.0 | 21 | 6.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233249 | 50.73 | 51.73 | 0.10 | 0 | 27 | 2 | 15.0 | 20 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233250 | 51.73 | 52.04 | 0.39 | 0 | 7 | 3 | 10.0 | 20 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233251 | 52.04 | 53.30 | 0.01 | 0 | 5 | 2 | 17.0 | 19 | 6.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233252 | 53.30 | 53.45 | 0.09 | 0 | 7 | 2 | 12.0 | 26 | 9.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233253 | 53.45 | 54.56 | 0.01 | 0 | 3 | 2 | 12.0 | 32 | 10.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | | 54.56 | 56.08 | | | | | | | | ☐ | ☐ | ☐ | ☐ | No recovery |
| R20-D12 | W233254 | 56.08 | 57.20 | 0.11 | 0 | 7 | 3 | 16.0 | 4 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233255 | 57.20 | 59.20 | 0.47 | 1 | 6 | 3 | 16.0 | 27 | 11.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D12 | W233257 | 59.20 | 60.10 | 0.03 | 0 | 12 | 2 | 43.0 | 27 | 9.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233258 | 60.10 | 60.66 | 0.03 | 0 | 5 | 3 | 8.0 | 23 | 9.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233259 | 60.66 | 61.12 | 0.01 | 0 | 2 | 3 | 7.0 | 19 | 8.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233260 | 61.12 | 61.16 | 0.05 | 0 | 4 | 3 | 7.0 | 8 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233262 | 61.16 | 62.22 | 0.08 | 0 | 6 | 2 | 22.0 | 17 | 5.90 | ☐ | ☑ | ☐ | ☐ | |
| R20-D12 | W233261 | 61.16 | 62.22 | 0.14 | 0 | 6 | 3 | 23.0 | 19 | 6.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233263 | 62.22 | 62.31 | 0.03 | 0 | 8 | 3 | 42.0 | 24 | 7.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233264 | 62.31 | 63.06 | 0.10 | 0 | 10 | 4 | 29.0 | 29 | 8.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233266 | 63.06 | 63.11 | 0.14 | 0 | 6 | 3 | 12.0 | 19 | 7.50 | ☐ | ☐ | ☐ | ☐ | GS-P5E |
| R20-D12 | W233267 | 63.11 | 64.06 | 0.10 | 1 | 4 | 2 | 12.0 | 26 | 15.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233268 | 64.06 | 64.30 | 0.04 | 0 | 4 | 4 | 20.0 | 7 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233269 | 64.30 | 66.75 | 0.12 | 3350 | 8470 | 2 | 23.0 | 22 | 4020.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233270 | 66.75 | 68.28 | 0.14 | 3 | 75 | 2 | 46.0 | 20 | 24.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233271 | 68.28 | 69.80 | 0.17 | 6 | 65 | 2 | 77.0 | 17 | 36.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233272 | 69.80 | 71.32 | 0.03 | 0 | 17 | 2 | 55.0 | 16 | 8.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D12 | W233273 | 71.32 | 71.90 | 0.03 | 1 | 15 | 2 | 63.0 | 12 | 11.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233274 | 71.90 | 72.00 | 0.04 | 0 | 9 | 3 | 38.0 | 13 | 8.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233275 | 72.00 | 72.85 | 0.14 | 2 | 36 | 3 | 46.0 | 18 | 12.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233276 | 72.85 | 74.37 | 0.29 | 0 | 63 | 2 | 64.0 | 21 | 7.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233277 | 74.37 | 75.90 | 0.10 | 0 | 35 | 2 | 55.0 | 20 | 9.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233278 | 74.37 | 75.90 | 0.12 | 1 | 43 | 2 | 61.0 | 19 | 9.20 | ☑ | ☐ | ☐ | ☐ | |
| R20-D12 | W233279 | 75.90 | 77.42 | 0.55 | 1 | 23 | 2 | 43.0 | 20 | 10.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D12 | W233280 | 77.42 | 78.75 | 0.27 | 0 | 18 | 2 | 134.0 | 16 | 8.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233281 | 78.75 | 78.94 | 0.63 | 0 | 74 | 4 | 285.0 | 1 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233282 | 78.94 | 82.00 | 0.09 | 0 | 23 | 2 | 99.0 | 18 | 11.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233283 | 82.00 | 83.52 | 0.01 | 0 | 19 | 2 | 222.0 | 14 | 7.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233284 | 82.00 | 83.52 | 0.01 | 0 | 18 | 2 | 211.0 | 14 | 7.50 | ☐ | ☑ | ☐ | ☐ | |
| R20-D14 | W233285 | 83.52 | 85.04 | 0.02 | 0 | 31 | 2 | 259.0 | 13 | 11.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233286 | 85.04 | 86.56 | 0.03 | 0 | 23 | 4 | 180.0 | 13 | 7.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233288 | 86.56 | 86.70 | 0.06 | 1 | 7 | 2 | 38.0 | 8 | 5.50 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D14 | W233289 | 86.70 | 88.09 | 0.08 | 0 | 38 | 2 | 90.0 | 19 | 7.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233290 | 88.09 | 89.61 | 0.10 | 0 | 43 | 2 | 76.0 | 16 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233291 | 89.61 | 90.15 | 0.09 | 0 | 19 | 2 | 68.0 | 13 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233293 | 90.15 | 91.14 | 0.09 | 0 | 77 | 3 | 44.0 | 17 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233294 | 91.14 | 92.25 | 0.15 | 0 | 48 | 2 | 59.0 | 17 | 7.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233295 | 92.25 | 92.43 | 0.17 | 0 | 62 | 2 | 47.0 | 19 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233296 | 92.43 | 92.70 | 0.19 | 0 | 56 | 3 | 74.0 | 19 | 7.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233297 | 92.70 | 93.24 | 0.03 | 0 | 34 | 2 | 154.0 | 26 | 10.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233298 | 93.24 | 93.40 | 0.07 | 0 | 18 | 3 | 90.0 | 11 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233299 | 93.40 | 94.18 | 0.03 | 0 | 35 | 2 | 107.0 | 17 | 6.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233300 | 93.40 | 94.18 | 0.03 | 0 | 29 | 2 | 94.0 | 17 | 6.00 | ☑ | ☐ | ☐ | ☐ | |
| R20-D14 | W233301 | 94.18 | 96.07 | 0.02 | 0 | 26 | 2 | 113.0 | 18 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233302 | 96.07 | 97.23 | 0.09 | 0 | 15 | 5 | 102.0 | 26 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233303 | 97.23 | 100.28 | 0.03 | 1 | 18 | 3 | 75.0 | 27 | 12.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233304 | 100.28 | 100.56 | 0.07 | 0 | 77 | 4 | 50.0 | 18 | 7.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D14 | W233305 | 100.56 | 100.93 | 0.06 | 0 | 62 | 3 | 23.0 | 7 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233306 | 100.93 | 103.50 | 0.13 | 1 | 55 | 3 | 38.0 | 14 | 9.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233307 | 103.50 | 104.64 | 0.01 | 0 | 29 | 3 | 33.0 | 14 | 6.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233308 | 104.64 | 104.85 | 0.01 | 0 | 23 | 2 | 32.0 | 10 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233309 | 104.85 | 105.34 | 0.01 | 0 | 24 | 3 | 47.0 | 12 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233311 | 105.34 | 106.87 | 0.04 | 0 | 35 | 4 | 49.0 | 14 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233312 | 106.87 | 108.55 | 0.03 | 0 | 47 | 2 | 27.0 | 12 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233313 | 108.55 | 109.42 | 0.54 | 0 | 24 | 3 | 25.0 | 16 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233314 | 109.42 | 110.94 | 0.04 | 0 | 10 | 3 | 16.0 | 19 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233315 | 110.94 | 111.80 | 0.04 | 0 | 12 | 2 | 22.0 | 17 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233316 | 111.80 | 112.42 | 0.05 | 0 | 18 | 3 | 34.0 | 17 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233317 | 112.42 | 112.92 | 0.05 | 0 | 24 | 24 | 47.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233318 | 112.92 | 114.00 | 0.02 | 0 | 24 | 2 | 36.0 | 19 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233319 | 114.00 | 114.43 | 0.01 | 0 | 9 | 1 | 21.0 | 24 | 7.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D14 | W233320 | 114.43 | 114.53 | 0.03 | 0 | 34 | 3 | 43.0 | 22 | 5.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D16 | W233321 | 114.53 | 114.93 | 0.02 | 0 | 14 | 2 | 27.0 | 19 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233322 | 114.93 | 115.11 | 0.16 | 0 | 98 | 7 | 54.0 | 15 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233323 | 115.11 | 115.52 | 0.03 | 0 | 15 | 2 | 51.0 | 17 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233324 | 115.11 | 115.52 | 0.03 | 0 | 14 | 2 | 50.0 | 17 | 6.20 | ☐ | ☑ | ☐ | ☐ | |
| R20-D16 | W233325 | 115.52 | 115.57 | 0.22 | 0 | 77 | 8 | 81.0 | 11 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233326 | 115.57 | 117.04 | 0.03 | 0 | 18 | 4 | 33.0 | 19 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233327 | 117.04 | 117.25 | 0.03 | 0 | 15 | 4 | 29.0 | 16 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233329 | 117.25 | 118.57 | 0.04 | 0 | 18 | 3 | 32.0 | 15 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233330 | 118.57 | 120.10 | 0.03 | 0 | 26 | 4 | 23.0 | 15 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233331 | 120.10 | 121.85 | 0.02 | 0 | 53 | 2 | 39.0 | 20 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233332 | 121.85 | 123.14 | 0.02 | 0 | 8 | 2 | 19.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233333 | 123.14 | 123.87 | 0.08 | 0 | 26 | 2 | 18.0 | 3 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233334 | 123.87 | 124.20 | 0.23 | 0 | 39 | 4 | 37.0 | 23 | 8.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233335 | 124.20 | 124.67 | 0.28 | 0 | 49 | 5 | 57.0 | 21 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233336 | 124.67 | 126.19 | 0.03 | 0 | 9 | 2 | 16.0 | 2 | 0.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D16 | W233337 | 126.19 | 127.71 | 0.03 | 0 | 18 | 9 | 38.0 | 14 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233339 | 127.71 | 129.29 | 0.04 | 0 | 21 | 3 | 18.0 | 3 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233340 | 129.29 | 130.00 | 0.02 | 1 | 12 | 3 | 19.0 | 6 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233341 | 130.00 | 130.76 | 0.04 | 0 | 16 | 3 | 22.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233342 | 130.76 | 132.28 | 0.02 | 0 | 57 | 2 | 15.0 | 10 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233343 | 132.28 | 135.33 | 0.01 | 0 | 46 | 2 | 13.0 | 1 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233345 | 135.33 | 138.38 | 0.03 | 0 | 22 | 5 | 42.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| | | 138.38 | 144.47 | | | | | | | | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233346 | 144.47 | 147.52 | 0.03 | 0 | 22 | 3 | 33.0 | 7 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233347 | 147.52 | 150.57 | 0.06 | 0 | 37 | 2 | 35.0 | 8 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233348 | 150.57 | 153.62 | 0.03 | 0 | 14 | 1 | 23.0 | 8 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233349 | 153.62 | 156.67 | 0.03 | 0 | 29 | 2 | 56.0 | 8 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233350 | 156.67 | 159.71 | 0.01 | 0 | 61 | 3 | 27.0 | 9 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233351 | 159.71 | 161.34 | 0.01 | 0 | 36 | 2 | 36.0 | 13 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233352 | 161.34 | 162.76 | 0.01 | 0 | 31 | 2 | 11.0 | 11 | 4.50 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D16 | W233353 | 162.76 | 164.29 | 0.07 | 0 | 63 | 1 | 8.0 | 12 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | 0 | 164.29 | 167.33 | | | | | | | | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233354 | 167.33 | 168.00 | 0.01 | 0 | 32 | 2 | 8.0 | 9 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233355 | 168.00 | 170.38 | 0.04 | 0 | 59 | 1 | 31.0 | 2 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233356 | 168.00 | 170.38 | 0.05 | 0 | 43 | 1 | 23.0 | 2 | 1.00 | ☑ | ☐ | ☐ | ☐ | |
| R20-D16 | W233357 | 170.38 | 171.08 | 0.11 | 1 | 56 | 2 | 10.0 | 2 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233358 | 171.08 | 172.53 | 0.07 | 7 | 93 | 3 | 32.0 | 11 | 62.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233359 | 172.53 | 173.43 | 0.02 | 0 | 84 | 1 | 11.0 | 2 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D16 | W233360 | 173.43 | 174.95 | 0.03 | 0 | 15 | 1 | 10.0 | 1 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233361 | 174.95 | 178.00 | 0.01 | 2 | 12 | 1 | 13.0 | 2 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233362 | 178.00 | 179.53 | 0.03 | 1 | 20 | 3 | 17.0 | 9 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233363 | 179.53 | 180.21 | 0.01 | 0 | 37 | 2 | 17.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233364 | 180.21 | 181.05 | 0.01 | 0 | 10 | 5 | 24.0 | 12 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233365 | 181.05 | 182.57 | 0.01 | 0 | 21 | 2 | 27.0 | 13 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233366 | 182.57 | 183.38 | 0.02 | 0 | 8 | 2 | 19.0 | 12 | 4.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D18 | W233367 | 183.38 | 184.35 | 0.01 | 0 | 21 | 2 | 15.0 | 3 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233368 | 184.35 | 184.82 | 0.01 | 0 | 11 | 2 | 21.0 | 10 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233369 | 184.82 | 184.88 | 0.02 | 0 | 13 | 3 | 18.0 | 6 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233371 | 184.88 | 185.76 | 0.01 | 0 | 6 | 2 | 14.0 | 11 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233372 | 185.76 | 185.86 | 0.05 | 0 | 5 | 3 | 16.0 | 8 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233373 | 185.86 | 186.49 | 0.01 | 0 | 18 | 2 | 12.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233375 | 186.49 | 187.58 | 0.01 | 0 | 17 | 1 | 13.0 | 12 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233376 | 187.58 | 187.98 | 0.01 | 0 | 18 | 2 | 16.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233377 | 187.98 | 188.23 | 0.38 | 0 | 20 | 3 | 16.0 | 9 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233378 | 188.23 | 189.13 | 0.01 | 0 | 22 | 2 | 15.0 | 11 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233379 | 189.13 | 189.42 | 0.01 | 0 | 14 | 2 | 17.0 | 6 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233380 | 189.42 | 190.00 | 0.01 | 0 | 80 | 2 | 12.0 | 14 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233381 | 190.00 | 190.95 | 0.01 | 0 | 14 | 2 | 11.0 | 11 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233382 | 190.95 | 191.30 | 0.01 | 0 | 61 | 3 | 19.0 | 13 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233383 | 191.30 | 193.29 | 0.01 | 0 | 19 | 2 | 14.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D18 | W233385 | 193.29 | 194.77 | 0.02 | 0 | 11 | 2 | 13.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233386 | 194.77 | 196.25 | 0.01 | 0 | 55 | 2 | 7.0 | 8 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233387 | 196.25 | 196.40 | 0.01 | 0 | 6 | 2 | 6.0 | 1 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233388 | 196.40 | 197.14 | 0.01 | 0 | 68 | 2 | 9.0 | 9 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233389 | 196.40 | 197.14 | 0.01 | 0 | 84 | 2 | 8.0 | 11 | 0.90 | ☐ | ☑ | ☐ | ☐ | |
| R20-D18 | W233390 | 197.14 | 197.40 | 0.04 | 0 | 20 | 3 | 8.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233392 | 197.40 | 199.34 | 0.01 | 0 | 13 | 2 | 13.0 | 9 | 3.30 | ☐ | ☑ | ☐ | ☐ | |
| R20-D18 | W233391 | 197.40 | 199.34 | 0.01 | 0 | 13 | 2 | 13.0 | 8 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233393 | 199.34 | 202.39 | 0.01 | 0 | 17 | 2 | 14.0 | 6 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233394 | 202.39 | 204.00 | 0.01 | 0 | 6 | 1 | 14.0 | 9 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233395 | 204.00 | 207.00 | 0.01 | 0 | 17 | 2 | 21.0 | 7 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233396 | 207.00 | 208.64 | 0.01 | 0 | 9 | 2 | 14.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233397 | 208.64 | 208.90 | 0.01 | 0 | 4 | 2 | 13.0 | 2 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233398 | 208.90 | 210.00 | 0.03 | 0 | 8 | 2 | 15.0 | 7 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D18 | W233399 | 210.00 | 211.53 | 0.02 | 0 | 9 | 3 | 11.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D18 | W233400 | 211.53 | 214.58 | 0.01 | 0 | 123 | 2 | 36.0 | 29 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233401 | 214.58 | 215.30 | 0.02 | 0 | 5 | 2 | 21.0 | 11 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233403 | 215.30 | 216.00 | 0.01 | 0 | 5 | 2 | 15.0 | 5 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233404 | 216.00 | 216.52 | 0.01 | 0 | 10 | 2 | 16.0 | 5 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233405 | 216.52 | 218.10 | 0.02 | 0 | 9 | 2 | 23.0 | 13 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233406 | 218.10 | 218.81 | 0.01 | 0 | 5 | 1 | 24.0 | 14 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233407 | 218.81 | 220.75 | 0.02 | 0 | 6 | 2 | 19.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233409 | 220.75 | 221.20 | 0.02 | 0 | 8 | 2 | 16.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | GS-5X |
| R20-D23 | W233410 | 221.20 | 222.43 | 0.02 | 0 | 2 | 1 | 17.0 | 12 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233411 | 222.43 | 223.04 | 0.01 | 0 | 13 | 2 | 15.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233412 | 223.04 | 223.72 | 0.03 | 0 | 3 | 1 | 16.0 | 13 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233413 | 223.72 | 225.05 | 0.05 | 0 | 11 | 2 | 15.0 | 6 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233414 | 225.05 | 226.77 | 0.08 | 6 | 15 | 2 | 8.0 | 11 | 15.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233415 | 226.77 | 227.26 | 0.04 | 0 | 63 | 2 | 6.0 | 12 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233416 | 227.26 | 227.70 | 0.42 | 0 | 96 | 2 | 12.0 | 2 | 0.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D23 | W233417 | 227.70 | 229.81 | 0.04 | 0 | 22 | 1 | 10.0 | 16 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233418 | 229.81 | 232.00 | 0.04 | 0 | 14 | 2 | 9.0 | 21 | 7.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233419 | 232.00 | 233.95 | 0.04 | 0 | 5 | 1 | 6.0 | 25 | 8.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233420 | 233.95 | 234.90 | 0.01 | 0 | 9 | 5 | 32.0 | 12 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233421 | 234.90 | 235.40 | 0.01 | 0 | 1 | 2 | 11.0 | 13 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233422 | 235.40 | 235.55 | 0.01 | 0 | 2 | 2 | 9.0 | 4 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233423 | 235.55 | 236.00 | 0.01 | 0 | 13 | 2 | 26.0 | 6 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233424 | 236.00 | 236.10 | 0.01 | 0 | 5 | 3 | 37.0 | 1 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233425 | 236.10 | 236.85 | 0.01 | 0 | 10 | 3 | 27.0 | 15 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233426 | 236.85 | 237.33 | 0.01 | 0 | 3 | 2 | 6.0 | 2 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233427 | 237.33 | 237.53 | 0.01 | 0 | 4 | 2 | 13.0 | 7 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233428 | 237.53 | 238.53 | 0.01 | 0 | 13 | 2 | 10.0 | 17 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233429 | 238.53 | 238.79 | 0.01 | 0 | 2 | 2 | 11.0 | 13 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233430 | 238.79 | 239.47 | 0.01 | 0 | 1 | 2 | 8.0 | 10 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233431 | 239.47 | 239.72 | 0.01 | 0 | 12 | 4 | 13.0 | 23 | 6.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D23 | W233433 | 239.72 | 240.04 | 0.03 | 0 | 24 | 8 | 11.0 | 17 | 3.40 | ☑ | ☐ | ☐ | ☐ | |
| R20-D23 | W233432 | 239.72 | 240.04 | 0.01 | 0 | 15 | 6 | 11.0 | 17 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233434 | 240.04 | 241.75 | 1.29 | 1 | 90 | 8 | 11.0 | 2 | 0.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233436 | 241.75 | 242.22 | 0.38 | 2 | 89 | 19 | 15.0 | 7 | 1.00 | ☐ | ☑ | ☐ | ☐ | |
| R20-D23 | W233435 | 241.75 | 242.22 | 0.37 | 2 | 95 | 19 | 15.0 | 8 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233438 | 242.22 | 243.00 | 0.05 | 0 | 8 | 11 | 32.0 | 22 | 6.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233439 | 243.00 | 244.12 | 0.19 | 0 | 67 | 4 | 20.0 | 21 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D23 | W233440 | 244.12 | 244.90 | 0.01 | 0 | 33 | 5 | 15.0 | 7 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233441 | 244.90 | 245.50 | 0.07 | 0 | 9 | 6 | 9.0 | 2 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233442 | 245.50 | 246.00 | 0.01 | 0 | 6 | 4 | 10.0 | 8 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233443 | 246.00 | 248.11 | 0.01 | 0 | 1 | 3 | 6.0 | 14 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233444 | 248.11 | 249.00 | 0.36 | 0 | 5 | 2 | 8.0 | 11 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233445 | 249.00 | 251.16 | 0.02 | 0 | 30 | 2 | 10.0 | 22 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233447 | 251.16 | 254.20 | 0.02 | 0 | 21 | 3 | 9.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233448 | 254.20 | 257.25 | 0.01 | 0 | 4 | 1 | 4.0 | 1 | 0.50 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D25 | W233449 | 257.25 | 260.29 | 0.02 | 0 | 4 | 2 | 4.0 | 1 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233451 | 260.29 | 260.95 | 0.01 | 0 | 15 | 2 | 5.0 | 2 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233452 | 260.95 | 263.34 | 0.01 | 0 | 13 | 3 | 8.0 | 2 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233453 | 263.34 | 266.39 | 0.01 | 0 | 11 | 2 | 4.0 | 1 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233454 | 266.39 | 269.44 | 0.01 | 0 | 24 | 2 | 8.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233455 | 269.44 | 272.49 | 0.01 | 0 | 24 | 2 | 9.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233457 | 272.49 | 275.53 | 0.02 | 0 | 22 | 2 | 6.0 | 3 | 1.40 | ☐ | ☑ | ☐ | ☐ | |
| R20-D25 | W233456 | 272.49 | 275.53 | 0.02 | 0 | 23 | 2 | 7.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233458 | 275.53 | 278.58 | 0.02 | 0 | 22 | 2 | 10.0 | 9 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233460 | 278.58 | 281.63 | 0.01 | 0 | 20 | 5 | 10.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233461 | 281.63 | 284.68 | 0.01 | 0 | 7 | 3 | 6.0 | 7 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233462 | 284.68 | 287.73 | 0.01 | 0 | 25 | 2 | 7.0 | 8 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233464 | 287.73 | 290.78 | 0.04 | 0 | 24 | 2 | 18.0 | 9 | 3.00 | ☑ | ☐ | ☐ | ☐ | |
| R20-D25 | W233463 | 287.73 | 290.78 | 0.02 | 0 | 18 | 2 | 15.0 | 8 | 3.00 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531431 | 7113800 | 947 | 234.7 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: AS -20-003**

**CLAIM:**

Contractor: Superior

Drill: 6

Core Size: HQ3

Casing Depth:

Drilling Dates: Sep 09 - Sep 17, 2020

Geology Logged By: A. Schneebeli

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| 0 | 30.2 | -50 | Reflex |
| 249.93 | 30.76 | -48.8 | Reflex |

**TARGET:**

| SUMMARY | | | |
|---|---|---|---|
| From (m) | To (m) | Interval (m) | Rock Type |
| 0 | 2.38 | 2.38 | -?- |
| 2.38 | 20.73 | 18.35 | FLR |
| 20.73 | 24.35 | 3.62 | PHY |
| 24.35 | 49.68 | 25.33 | FLR |
| 49.68 | 116.67 | 66.99 | PHY |
| 116.67 | 128.24 | 11.57 | FLR |
| 128.24 | 234.7 | 106.46 | PHY |

| SAMPLES | |
|---|---|
| Numbers: | R613512 to R613817 |
| Total: | 306 |
| Batch: | D19, D20, D21, D22, D24, D26, D27, D29, D31 |
| Certificates: | WH20204475, WH20208113, WH20213731, WH20213736, WH20213743, WH20218122, WH20218128, WH20218153, WH20218161, WH21003526 |

**COMMENTS**

Hole ended 34.70m past target depth in rubbly phyllite due to poor recovery and drilling conditions. Hole was producing up to 120 gallons/minute of water, which was making drilling difficult.

# AS -20-003



| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613756 | ☐ | R20-D27 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613816 | ☐ | R20-D31 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613796 | ☐ | R20-D29 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613519 | ☐ | R20-D19 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613763 | ☐ | R20-D29 | Core |  | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613738 | ☐ | R20-D27 | Core |  | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613731 | ☐ | R20-D27 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613710 | ☐ | R20-D26 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613698 | ☐ | R20-D26 | Core |  | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613691 | ☐ | R20-D26 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613676 | ☐ | R20-D24 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613654 | ☐ | R20-D24 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613637 | ☐ | R20-D22 | Core |  | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613622 | ☐ | R20-D22 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613607 | ☐ | R20-D22 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613589 | ☐ | R20-D21 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613577 | ☐ | R20-D21 | Core |  | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613788 | ☐ | R20-D29 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613566 | ☐ | R20-D21 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613559 | ☐ | R20-D20 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613552 | ☐ | R20-D20 | Core |  | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613523 | ☐ | R20-D20 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613669 | ☐ | R20-D24 | Core |  | ☑ | ☐ | ☐ |
| 2.38 | 2.44 | 0.06 | FLR, -?- | 0.06 | 100 | R613512 | ☐ | R20-D19 | Core |  | ☐ | ☐ | ☐ |
| 2.44 | 3.96 | 1.52 | FLR | 0.54 | 36 | R613513 | ☐ | R20-D19 | Core |  | ☐ | ☐ | ☐ |
| 3.96 | 5.49 | 1.53 | FLR | 0.65 | 42 | R613514 | ☐ | R20-D19 | Core |  | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.96 | 5.49 | 1.53 | FLR | 0.65 | 42 | R613515 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☑ |
| 5.49 | 7.01 | 1.52 | FLR | 0.71 | 47 | R613516 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 7.01 | 8.13 | 1.12 | FLR | 0.73 | 65 | R613517 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 8.13 | 8.35 | 0.22 | FLR | 0.16 | 73 | R613518 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 8.35 | 8.90 | 0.55 | FLR | 0.41 | 75 | R613520 | ☐ | R20-D19 | Core | | ☐ | ☐ | ☐ |
| 8.90 | 9.25 | 0.35 | FLR | 0.26 | 74 | R613521 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 9.25 | 11.00 | 1.75 | FLR | 0.71 | 41 | R613522 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 11.00 | 11.58 | 0.58 | FLR | 0.32 | 55 | R613524 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 11.58 | 12.77 | 1.19 | FLR | 0.59 | 50 | R613525 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 12.77 | 14.63 | 1.86 | FLR | 1.35 | 73 | R613526 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 14.63 | 15.00 | 0.37 | FLR | 0.21 | 57 | R613527 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 15.00 | 16.15 | 1.15 | FLR | 0.89 | 77 | R613528 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 16.15 | 17.25 | 1.10 | FLR | 0.59 | 54 | R613529 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 17.25 | 17.40 | 0.15 | FLR | 0.10 | 67 | R613530 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 17.40 | 18.95 | 1.55 | FLR | 0.72 | 46 | R613531 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 18.95 | 19.25 | 0.30 | FLR | 0.19 | 63 | R613532 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 19.25 | 19.50 | 0.25 | FLR | 0.16 | 64 | R613533 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 19.50 | 19.63 | 0.13 | FLR | 0.11 | 85 | R613534 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 19.63 | 20.73 | 1.10 | FLR | 0.66 | 60 | R613535 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 20.73 | 22.25 | 1.52 | FLR, PHY | 1.02 | 67 | R613536 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 22.25 | 22.74 | 0.49 | PHY | 0.47 | 96 | R613537 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 22.74 | 23.06 | 0.32 | PHY | 0.32 | 100 | R613538 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 22.74 | 23.06 | 0.32 | PHY | 0.32 | 100 | R613539 | ☐ | R20-D20 | Core | | ☐ | ☑ | ☐ |
| 23.06 | 24.22 | 1.16 | PHY | 0.88 | 76 | R613540 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 24.22 | 24.80 | 0.58 | PHY | 0.29 | 50 | R613541 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 24.80 | 25.41 | 0.61 | FLR | 0.33 | 54 | R613542 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 25.41 | 26.20 | 0.79 | FLR | 0.44 | 56 | R613543 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 26.20 | 26.82 | 0.62 | FLR | 0.30 | 48 | R613544 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26.20 | 26.82 | 0.62 | FLR | 0.30 | 48 | R613545 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☑ |
| 26.82 | 28.41 | 1.59 | FLR | 0.83 | 52 | R613546 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 28.41 | 29.57 | 1.16 | FLR | 0.49 | 42 | R613547 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 29.57 | 30.13 | 0.56 | FLR | 0.51 | 91 | R613548 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 30.13 | 30.39 | 0.26 | FLR | 0.25 | 96 | R613549 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 30.39 | 31.30 | 0.91 | FLR | 0.50 | 55 | R613550 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 31.30 | 31.39 | 0.09 | FLR | 0.07 | 78 | R613551 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 31.39 | 32.91 | 1.52 | FLR | 1.04 | 68 | R613553 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 32.91 | 34.13 | 1.22 | FLR | 0.54 | 44 | R613554 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 34.13 | 34.89 | 0.76 | FLR | 0.43 | 57 | R613555 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 34.89 | 35.00 | 0.11 | FLR | 0.10 | 91 | R613556 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 35.00 | 37.37 | 2.37 | FLR | 1.33 | 56 | R613557 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 37.37 | 37.71 | 0.34 | FLR | 0.29 | 85 | R613558 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 37.71 | 39.01 | 1.30 | FLR | 0.66 | 51 | R613560 | ☐ | R20-D20 | Core | | ☐ | ☐ | ☐ |
| 39.01 | 39.80 | 0.79 | FLR | 0.55 | 70 | R613561 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 39.80 | 39.92 | 0.12 | FLR | 0.11 | 92 | R613562 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 39.92 | 40.60 | 0.68 | FLR | 0.40 | 59 | R613563 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 40.60 | 41.26 | 0.66 | FLR | 0.35 | 53 | R613564 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 41.26 | 41.50 | 0.24 | FLR | 0.20 | 83 | R613565 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 41.50 | 42.24 | 0.74 | FLR | 0.51 | 69 | R613567 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 42.24 | 43.58 | 1.34 | FLR | 0.89 | 66 | R613568 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 43.58 | 44.45 | 0.87 | FLR | 0.39 | 45 | R613569 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 44.45 | 44.90 | 0.45 | FLR | 0.21 | 47 | R613570 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 44.90 | 45.39 | 0.49 | FLR | 0.36 | 73 | R613571 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 44.90 | 45.39 | 0.49 | FLR | 0.36 | 73 | R613572 | ☐ | R20-D21 | Core | | ☐ | ☑ | ☐ |
| 45.39 | 45.70 | 0.31 | FLR | 0.26 | 84 | R613573 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 45.70 | 46.36 | 0.66 | FLR | 0.64 | 97 | R613574 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 46.36 | 46.63 | 0.27 | FLR | 0.21 | 78 | R613575 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46.63 | 46.78 | 0.15 | FLR | 0.13 | 87 | R613576 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 46.78 | 48.15 | 1.37 | FLR | 0.78 | 57 | R613578 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 48.15 | 49.00 | 0.85 | FLR | 0.73 | 86 | R613579 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 49.00 | 49.53 | 0.53 | FLR | 0.28 | 53 | R613580 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 49.53 | 49.60 | 0.07 | FLR | 0.05 | 71 | R613581 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 49.60 | 50.16 | 0.56 | FLR | 0.50 | 89 | R613582 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 50.16 | 52.07 | 1.91 | PHY | 1.14 | 60 | R613583 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 52.07 | 53.13 | 1.06 | PHY | 0.78 | 74 | R613584 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 53.13 | 54.00 | 0.87 | PHY | 0.57 | 66 | R613585 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 54.00 | 54.82 | 0.82 | PHY | 0.45 | 55 | R613586 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 54.82 | 57.05 | 2.23 | PHY | 1.11 | 50 | R613587 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 57.05 | 57.63 | 0.58 | PHY | 0.42 | 72 | R613588 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 57.63 | 58.52 | 0.89 | PHY | 0.67 | 75 | R613590 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 58.52 | 59.38 | 0.86 | PHY | 0.63 | 73 | R613591 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 59.38 | 59.88 | 0.50 | PHY | 0.20 | 40 | R613592 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 59.88 | 60.61 | 0.73 | PHY | 0.68 | 93 | R613593 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 60.61 | 60.90 | 0.29 | PHY | 0.22 | 76 | R613594 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 60.90 | 61.80 | 0.90 | PHY | 0.55 | 61 | R613595 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 61.80 | 63.40 | 1.60 | PHY | 1.22 | 76 | R613596 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 61.80 | 63.40 | 1.60 | PHY | 1.22 | 76 | R613597 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☑ |
| 63.40 | 64.74 | 1.34 | PHY | 0.98 | 73 | R613598 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 64.74 | 65.00 | 0.26 | PHY | 0.20 | 77 | R613599 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 65.00 | 65.54 | 0.54 | PHY | 0.44 | 81 | R613600 | ☐ | R20-D21 | Core | | ☐ | ☐ | ☐ |
| 65.54 | 65.80 | 0.26 | PHY | 0.21 | 81 | R613601 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 65.80 | 67.00 | 1.20 | PHY | 1.05 | 88 | R613602 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 67.00 | 67.15 | 0.15 | PHY | 0.08 | 53 | R613603 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 67.15 | 67.97 | 0.82 | PHY | 0.80 | 98 | R613604 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 67.97 | 68.34 | 0.37 | PHY | 0.32 | 86 | R613605 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68.34 | 68.95 | 0.61 | PHY | 0.41 | 67 | R613606 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 68.95 | 69.30 | 0.35 | PHY | 0.32 | 91 | R613608 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 69.30 | 69.78 | 0.48 | PHY | 0.44 | 92 | R613609 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 69.78 | 70.03 | 0.25 | PHY | 0.15 | 60 | R613610 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 70.03 | 71.02 | 0.99 | PHY | 0.76 | 77 | R613611 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 71.02 | 72.54 | 1.52 | PHY | 1.08 | 71 | R613612 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 72.54 | 73.46 | 0.92 | PHY | 0.78 | 85 | R613613 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 73.46 | 74.07 | 0.61 | PHY | 0.42 | 69 | R613614 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 73.46 | 74.07 | 0.61 | PHY | 0.42 | 69 | R613615 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☑ |
| 74.07 | 75.59 | 1.52 | PHY | 1.11 | 73 | R613616 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 75.59 | 77.00 | 1.41 | PHY | 0.92 | 65 | R613617 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 77.00 | 78.64 | 1.64 | PHY | 1.38 | 84 | R613618 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 78.64 | 80.16 | 1.52 | PHY | 1.21 | 80 | R613619 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 80.16 | 81.69 | 1.53 | PHY | 1.33 | 87 | R613620 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 81.69 | 82.00 | 0.31 | PHY | 0.23 | 74 | R613621 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 82.00 | 83.21 | 1.21 | PHY | 0.90 | 74 | R613623 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 83.21 | 83.54 | 0.33 | PHY | 0.30 | 91 | R613624 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 83.54 | 83.87 | 0.33 | PHY | 0.29 | 88 | R613625 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 83.87 | 84.00 | 0.13 | PHY | 0.13 | 100 | R613626 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 84.00 | 84.20 | 0.20 | PHY | 0.19 | 95 | R613627 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 84.20 | 84.73 | 0.53 | PHY | 0.45 | 85 | R613628 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 84.73 | 86.20 | 1.47 | PHY | 1.27 | 86 | R613629 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 86.20 | 86.26 | 0.06 | PHY | 0.06 | 100 | R613630 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 86.26 | 86.95 | 0.69 | PHY | 0.60 | 87 | R613631 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 86.95 | 87.85 | 0.90 | PHY | 0.69 | 77 | R613632 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 86.95 | 87.85 | 0.90 | PHY | 0.69 | 77 | R613633 | ☐ | R20-D22 | Core | | ☐ | ☑ | ☐ |
| 87.85 | 89.31 | 1.46 | PHY | 0.83 | 57 | R613634 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 89.31 | 90.45 | 1.14 | PHY | 0.62 | 54 | R613635 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90.45 | 92.00 | 1.55 | PHY | 1.20 | 77 | R613636 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 92.00 | 92.35 | 0.35 | PHY | 0.34 | 97 | R613638 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 92.35 | 93.88 | 1.53 | PHY | 1.02 | 67 | R613639 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 93.88 | 95.40 | 1.52 | PHY | 1.26 | 83 | R613640 | ☐ | R20-D22 | Core | | ☐ | ☐ | ☐ |
| 95.40 | 96.93 | 1.53 | PHY | 1.39 | 91 | R613641 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 96.93 | 98.45 | 1.52 | PHY | 1.14 | 75 | R613642 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 98.45 | 99.45 | 1.00 | PHY | 0.90 | 90 | R613643 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 99.45 | 100.27 | 0.82 | PHY | 0.67 | 82 | R613644 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 100.27 | 101.00 | 0.73 | PHY | 0.40 | 55 | R613645 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 101.00 | 102.46 | 1.46 | PHY | 1.08 | 74 | R613646 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 102.46 | 103.15 | 0.69 | PHY | 0.68 | 99 | R613647 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 103.15 | 103.37 | 0.22 | PHY | 0.19 | 86 | R613648 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 103.15 | 103.37 | 0.22 | PHY | 0.19 | 86 | R613649 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☑ |
| 103.37 | 104.54 | 1.17 | PHY | 0.78 | 67 | R613650 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 104.54 | 105.62 | 1.08 | PHY | 0.88 | 81 | R613651 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 105.62 | 107.00 | 1.38 | PHY | 1.28 | 93 | R613652 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 107.00 | 107.80 | 0.80 | PHY | 0.56 | 70 | R613653 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 107.80 | 108.08 | 0.28 | PHY | 0.26 | 93 | R613655 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 108.08 | 109.11 | 1.03 | PHY | 0.85 | 83 | R613656 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 109.11 | 109.79 | 0.68 | PHY | 0.65 | 96 | R613657 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 109.11 | 109.79 | 0.68 | PHY | 0.65 | 96 | R613658 | ☐ | R20-D24 | Core | | ☐ | ☑ | ☐ |
| 109.79 | 110.90 | 1.11 | PHY | 0.89 | 80 | R613659 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 110.90 | 111.12 | 0.22 | PHY | 0.18 | 82 | R613660 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 111.12 | 111.23 | 0.11 | PHY | 0.08 | 73 | R613661 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 111.23 | 112.16 | 0.93 | PHY | 0.78 | 84 | R613662 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 112.16 | 113.35 | 1.19 | PHY | 0.99 | 83 | R613663 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 113.35 | 113.69 | 0.34 | PHY | 0.24 | 71 | R613664 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 113.69 | 114.45 | 0.76 | PHY | 0.47 | 62 | R613665 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 114.45 | 114.90 | 0.45 | PHY | 0.31 | 69 | R613666 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 114.90 | 116.05 | 1.15 | PHY | 1.15 | 100 | R613667 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 116.05 | 116.20 | 0.15 | PHY | 0.11 | 73 | R613668 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 116.20 | 116.67 | 0.47 | PHY | 0.41 | 87 | R613670 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 116.67 | 117.75 | 1.08 | FLR, PHY | 0.30 | 28 | R613671 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 117.75 | 118.26 | 0.51 | FLR | 0.34 | 67 | R613672 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 118.26 | 119.78 | 1.52 | FLR | 0.18 | 12 | R613673 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 119.78 | 121.31 | 1.53 | FLR | 1.03 | 67 | R613674 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 121.31 | 122.83 | 1.52 | FLR | 1.14 | 75 | R613675 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 122.83 | 124.35 | 1.52 | FLR | 1.13 | 74 | R613677 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 124.35 | 125.88 | 1.53 | FLR | 0.35 | 23 | R613678 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 125.88 | 127.49 | 1.61 | FLR | 0.60 | 37 | R613679 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 127.49 | 128.00 | 0.51 | FLR | 0.24 | 47 | R613680 | ☐ | R20-D24 | Core | | ☐ | ☐ | ☐ |
| 128.00 | 128.93 | 0.93 | FLR | 0.61 | 66 | R613681 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 128.93 | 130.45 | 1.52 | PHY | 1.29 | 85 | R613682 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 130.45 | 131.00 | 0.55 | PHY | 0.26 | 47 | R613683 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 131.00 | 131.97 | 0.97 | PHY | 0.88 | 91 | R613684 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 131.97 | 133.03 | 1.06 | PHY | 1.02 | 96 | R613685 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 133.03 | 133.22 | 0.19 | PHY | 0.19 | 100 | R613686 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 133.03 | 133.22 | 0.19 | PHY | 0.19 | 100 | R613687 | ☐ | R20-D26 | Core | | ☐ | ☑ | ☐ |
| 133.22 | 135.02 | 1.80 | PHY | 1.51 | 84 | R613688 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 135.02 | 136.55 | 1.53 | PHY | 1.50 | 98 | R613689 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 136.55 | 138.07 | 1.52 | PHY | 1.45 | 95 | R613690 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 138.07 | 139.56 | 1.49 | PHY | 1.48 | 99 | R613692 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 139.56 | 141.12 | 1.56 | PHY | 1.17 | 75 | R613693 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 141.12 | 141.82 | 0.70 | PHY | 0.70 | 100 | R613694 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 141.82 | 142.23 | 0.41 | PHY | 0.28 | 68 | R613695 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 142.23 | 142.40 | 0.17 | PHY | 0.17 | 100 | R613696 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 142.40 | 142.71 | 0.31 | PHY | 0.22 | 71 | R613697 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 142.71 | 143.12 | 0.41 | PHY | 0.34 | 83 | R613699 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 143.12 | 143.18 | 0.06 | PHY | 0.06 | 100 | R613700 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 143.18 | 143.56 | 0.38 | PHY | 0.28 | 74 | R613701 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 143.56 | 144.38 | 0.82 | PHY | 0.58 | 71 | R613702 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 144.38 | 144.51 | 0.13 | PHY | 0.12 | 92 | R613703 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 144.51 | 145.69 | 1.18 | PHY | 1.12 | 95 | R613704 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 145.69 | 147.22 | 1.53 | PHY | 0.83 | 54 | R613705 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 147.22 | 148.74 | 1.52 | PHY | 1.52 | 100 | R613706 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 148.74 | 150.26 | 1.52 | PHY | 1.15 | 76 | R613707 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 150.26 | 151.05 | 0.79 | PHY | 0.58 | 73 | R613708 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 151.05 | 151.20 | 0.15 | PHY | 0.13 | 87 | R613709 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 151.20 | 153.31 | 2.11 | PHY | 0.79 | 37 | R613711 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 153.31 | 154.84 | 1.53 | PHY | 0.77 | 50 | R613712 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 154.84 | 156.36 | 1.52 | PHY | 1.49 | 98 | R613713 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 156.36 | 156.86 | 0.50 | PHY | 0.37 | 74 | R613714 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 156.86 | 156.97 | 0.11 | PHY | 0.11 | 100 | R613715 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 156.97 | 157.20 | 0.23 | PHY | 0.18 | 78 | R613716 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 157.20 | 157.72 | 0.52 | PHY | 0.44 | 85 | R613717 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 157.72 | 158.11 | 0.39 | PHY | 0.37 | 95 | R613718 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 157.72 | 158.11 | 0.39 | PHY | 0.37 | 95 | R613719 | ☐ | R20-D26 | Core | | ☐ | ☐ | ✔ |
| 158.11 | 158.42 | 0.31 | PHY | 0.28 | 90 | R613720 | ☐ | R20-D26 | Core | | ☐ | ☐ | ☐ |
| 158.42 | 159.00 | 0.58 | PHY | 0.43 | 74 | R613721 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 159.00 | 159.41 | 0.41 | PHY | 0.27 | 66 | R613722 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 159.41 | 160.93 | 1.52 | PHY | 1.06 | 70 | R613723 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 160.93 | 162.00 | 1.07 | PHY | 1.00 | 93 | R613724 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 162.00 | 162.20 | 0.20 | PHY | 0.20 | 100 | R613725 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 162.20 | 163.98 | 1.78 | PHY | 1.71 | 96 | R613726 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 163.98 | 165.50 | 1.52 | PHY | 1.45 | 95 | R613727 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 165.50 | 166.67 | 1.17 | PHY | 1.12 | 96 | R613728 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 166.67 | 166.92 | 0.25 | PHY | 0.23 | 92 | R613729 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 166.92 | 167.34 | 0.42 | PHY | 0.41 | 98 | R613730 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 167.34 | 168.24 | 0.90 | PHY | 0.88 | 98 | R613732 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 168.24 | 168.74 | 0.50 | PHY | 0.49 | 98 | R613733 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 168.74 | 170.07 | 1.33 | PHY | 1.30 | 98 | R613734 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 170.07 | 171.10 | 1.03 | PHY | 0.97 | 94 | R613735 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 171.10 | 171.47 | 0.37 | PHY | 0.32 | 86 | R613736 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 171.47 | 172.49 | 1.02 | PHY | 0.91 | 89 | R613737 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 172.49 | 173.12 | 0.63 | PHY | 0.60 | 95 | R613739 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 173.12 | 174.00 | 0.88 | PHY | 0.76 | 86 | R613740 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 174.00 | 174.11 | 0.11 | PHY | 0.11 | 100 | R613741 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 174.11 | 174.84 | 0.73 | PHY | 0.72 | 99 | R613742 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 174.84 | 175.50 | 0.66 | PHY | 0.63 | 95 | R613743 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 175.50 | 175.61 | 0.11 | PHY | 0.11 | 100 | R613744 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 175.61 | 176.17 | 0.56 | PHY | 0.56 | 100 | R613745 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 176.17 | 176.45 | 0.28 | PHY | 0.25 | 89 | R613746 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 176.45 | 177.69 | 1.24 | PHY | 1.18 | 95 | R613747 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 177.69 | 179.22 | 1.53 | PHY | 1.52 | 99 | R613748 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 177.69 | 179.22 | 1.53 | PHY | 1.52 | 99 | R613749 | ☐ | R20-D27 | Core | | ☐ | ☑ | ☐ |
| 179.22 | 179.47 | 0.25 | PHY | 0.21 | 84 | R613750 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 179.47 | 179.68 | 0.21 | PHY | 0.18 | 86 | R613751 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 179.68 | 180.04 | 0.36 | PHY | 0.30 | 83 | R613752 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 180.04 | 180.40 | 0.36 | PHY | 0.36 | 100 | R613753 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 180.40 | 180.61 | 0.21 | PHY | 0.21 | 100 | R613754 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 180.61 | 181.13 | 0.52 | PHY | 0.43 | 83 | R613755 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 181.13 | 182.20 | 1.07 | PHY | 0.55 | 51 | R613757 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 182.20 | 183.00 | 0.80 | PHY | 0.54 | 68 | R613758 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 183.00 | 183.10 | 0.10 | PHY | 0.09 | 90 | R613759 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☐ |
| 183.00 | 183.10 | 0.10 | PHY | 0.09 | 90 | R613760 | ☐ | R20-D27 | Core | | ☐ | ☐ | ☑ |
| 183.10 | 183.42 | 0.32 | PHY | 0.29 | 91 | R613761 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 183.42 | 184.00 | 0.58 | PHY | 0.43 | 74 | R613762 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 184.00 | 186.84 | 2.84 | PHY | 0.65 | 23 | R613764 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 186.84 | 188.36 | 1.52 | PHY | 0.88 | 58 | R613765 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 188.36 | 188.47 | 0.11 | PHY | 0.11 | 100 | R613766 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 188.47 | 188.90 | 0.43 | PHY | 0.25 | 58 | R613767 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 188.90 | 189.89 | 0.99 | PHY | 0.76 | 77 | R613768 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 189.89 | 190.85 | 0.96 | PHY | 0.86 | 90 | R613769 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 190.85 | 191.14 | 0.29 | PHY | 0.27 | 93 | R613770 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 190.85 | 191.14 | 0.29 | PHY | 0.27 | 93 | R613771 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☑ |
| 191.14 | 191.52 | 0.38 | PHY | 0.37 | 97 | R613772 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 191.52 | 192.93 | 1.41 | PHY | 0.41 | 29 | R613773 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 192.93 | 194.46 | 1.53 | PHY | 1.09 | 71 | R613774 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 194.46 | 195.98 | 1.52 | PHY | 1.02 | 67 | R613775 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 195.98 | 197.51 | 1.53 | PHY | 0.68 | 44 | R613776 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 197.51 | 199.03 | 1.52 | PHY | 0.95 | 63 | R613777 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 199.03 | 200.55 | 1.52 | PHY | 1.23 | 81 | R613778 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 200.55 | 202.08 | 1.53 | PHY | 1.25 | 82 | R613779 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 202.08 | 203.60 | 1.52 | PHY | 1.20 | 79 | R613780 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 203.60 | 205.13 | 1.53 | PHY | 1.23 | 80 | R613781 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 205.13 | 206.65 | 1.52 | PHY | 1.46 | 96 | R613782 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 206.65 | 207.35 | 0.70 | PHY | 0.56 | 80 | R613783 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 207.35 | 207.66 | 0.31 | PHY | 0.28 | 90 | R613784 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 207.66 | 208.18 | 0.52 | PHY | 0.26 | 50 | R613785 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 208.18 | 209.20 | 1.02 | PHY | 0.71 | 70 | R613786 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 209.20 | 209.39 | 0.19 | PHY | 0.19 | 100 | R613787 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 209.39 | 211.23 | 1.84 | PHY | 1.37 | 74 | R613789 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 211.23 | 212.75 | 1.52 | PHY | 1.46 | 96 | R613790 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 211.23 | 212.75 | 1.52 | PHY | 1.46 | 96 | R613791 | ☐ | R20-D29 | Core | | ☐ | ☑ | ☐ |
| 212.75 | 214.03 | 1.28 | PHY | 0.97 | 76 | R613792 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 214.03 | 214.35 | 0.32 | PHY | 0.23 | 72 | R613793 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 214.35 | 215.59 | 1.24 | PHY | 0.73 | 59 | R613794 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 215.59 | 215.80 | 0.21 | PHY | 0.17 | 81 | R613795 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 215.80 | 216.91 | 1.11 | PHY | 0.95 | 86 | R613797 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 216.91 | 217.45 | 0.54 | PHY | 0.32 | 59 | R613798 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 217.45 | 219.14 | 1.69 | PHY | 0.96 | 57 | R613799 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 219.14 | 219.74 | 0.60 | PHY | 0.22 | 37 | R613800 | ☐ | R20-D29 | Core | | ☐ | ☐ | ☐ |
| 219.74 | 220.37 | 0.63 | PHY | 0.52 | 83 | R613801 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 220.37 | 221.89 | 1.52 | PHY | 1.48 | 97 | R613802 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 221.89 | 222.18 | 0.29 | PHY | 0.27 | 93 | R613803 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 222.18 | 222.33 | 0.15 | PHY | 0.15 | 100 | R613804 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 222.33 | 223.42 | 1.09 | PHY | 1.09 | 100 | R613805 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 223.42 | 224.94 | 1.52 | PHY | 1.29 | 85 | R613806 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 224.94 | 226.47 | 1.53 | PHY | 1.18 | 77 | R613807 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 226.47 | 227.99 | 1.52 | PHY | 0.89 | 59 | R613808 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 227.99 | 229.51 | 1.52 | PHY | 1.30 | 86 | R613809 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 229.51 | 229.88 | 0.37 | PHY | 0.19 | 51 | R613810 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 229.88 | 230.47 | 0.59 | PHY | 0.31 | 53 | R613811 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 229.88 | 230.47 | 0.59 | PHY | 0.31 | 53 | R613812 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☑ |
| 230.47 | 231.04 | 0.57 | PHY | 0.52 | 91 | R613813 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 231.04 | 232.56 | 1.52 | PHY | 1.18 | 78 | R613814 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 232.56 | 234.09 | 1.53 | PHY | 0.51 | 33 | R613815 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 234.09 | 234.70 | 0.61 | PHY | 0.61 | 100 | R613817 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |

# Sample Results



| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D20 | R613559 | 0.00 | 0.00 | 1.21 | 64 | 210 | 1370 | 2620.0 | 2 | 11.20 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D29 | R613788 | 0.00 | 0.00 | 0.63 | 3 | 45 | 123 | 211.0 | 1 | 10.50 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D21 | R613566 | 0.00 | 0.00 | 1.20 | 67 | 216 | 1425 | 2690.0 | 2 | 13.40 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D27 | R613738 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D19 | R613519 | 0.00 | 0.00 | 0.62 | 1 | 45 | 126 | 215.0 | 1 | 10.10 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D31 | R613816 | 0.00 | 0.00 | 1.15 | 80 | 212 | 1420 | 2700.0 | 2 | 11.30 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D26 | R613691 | 0.00 | 0.00 | 1.24 | 69 | 210 | 1425 | 2650.0 | 2 | 10.80 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| | | 0.00 | 2.38 | | | | | | | | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613622 | 0.00 | 0.00 | 1.27 | 72 | 218 | 1455 | 2680.0 | 2 | 12.60 | ☐ | ☐ | ☐ | ☑ GS-1X | Std GS-1x |
| R20-D24 | R613654 | 0.00 | 0.00 | 0.68 | 2 | 45 | 129 | 218.0 | 1 | 11.20 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D22 | R613607 | 0.00 | 0.00 | 1.38 | 66 | 215 | 1420 | 2700.0 | 2 | 11.00 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D27 | R613731 | 0.00 | 0.00 | 1.41 | 74 | 214 | 1455 | 2710.0 | 2 | 11.20 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D21 | R613577 | 0.00 | 0.00 | 0.01 | 0 | 3 | 1 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D29 | R613763 | 0.00 | 0.00 | 0.03 | 0 | 2 | 0 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | BLANK |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D26 | R613710 | 0.00 | 0.00 | 0.69 | 1 | 43 | 123 | 206.0 | 1 | 10.10 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D21 | R613589 | 0.00 | 0.00 | 0.65 | 1 | 43 | 120 | 208.0 | 1 | 11.80 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D27 | R613756 | 0.00 | 0.00 | 1.26 | 73 | 215 | 1445 | 2720.0 | 2 | 67.00 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D22 | R613637 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | Blank |
| R20-D20 | R613552 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D29 | R613796 | 0.00 | 0.00 | 1.32 | 71 | 212 | 1450 | 2780.0 | 2 | 11.70 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D26 | R613698 | 0.00 | 0.00 | 0.01 | 0 | 1 | 0 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D20 | R613523 | 0.00 | 0.00 | 1.28 | 56 | 210 | 1330 | 2570.0 | 2 | 9.80 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D24 | R613676 | 0.00 | 0.00 | 0.66 | 2 | 44 | 125 | 201.0 | 1 | 10.80 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D24 | R613669 | 0.00 | 0.00 | 0.01 | 0 | 1 | 0 | 4.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D19 | R613512 | 2.38 | 2.44 | 0.02 | 0 | 17 | 3 | 27.0 | 16 | 10.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613513 | 2.44 | 3.96 | 0.01 | 0 | 10 | 2 | 58.0 | 10 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613515 | 3.96 | 5.49 | 0.01 | 0 | 32 | 1 | 74.0 | 10 | 5.00 | ☐ | ☑ | ☐ | ☐ | COARSE REJECT |
| R20-D19 | R613514 | 3.96 | 5.49 | 0.01 | 0 | 32 | 1 | 75.0 | 10 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613516 | 5.49 | 7.01 | 0.01 | 0 | 10 | 2 | 45.0 | 9 | 5.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D19 | R613517 | 7.01 | 8.13 | 0.02 | 0 | 27 | 2 | 32.0 | 10 | 6.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613518 | 8.13 | 8.35 | 0.03 | 0 | 34 | 2 | 23.0 | 10 | 8.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D19 | R613520 | 8.35 | 8.90 | 0.01 | 0 | 34 | 2 | 25.0 | 11 | 8.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613521 | 8.90 | 9.25 | 0.02 | 0 | 41 | 3 | 26.0 | 10 | 7.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613522 | 9.25 | 11.00 | 0.67 | 0 | 51 | 4 | 40.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613524 | 11.00 | 11.58 | 0.02 | 0 | 36 | 3 | 43.0 | 10 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613525 | 11.58 | 12.77 | 0.02 | 0 | 37 | 3 | 41.0 | 10 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613526 | 12.77 | 14.63 | 0.01 | 0 | 33 | 3 | 33.0 | 9 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613527 | 14.63 | 15.00 | 0.01 | 0 | 50 | 4 | 26.0 | 12 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613528 | 15.00 | 16.15 | 0.02 | 0 | 21 | 3 | 24.0 | 14 | 7.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613529 | 16.15 | 17.25 | 0.02 | 0 | 11 | 2 | 23.0 | 11 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613530 | 17.25 | 17.40 | 0.02 | 0 | 12 | 3 | 32.0 | 7 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613531 | 17.40 | 18.95 | 0.02 | 12 | 40 | 3 | 27.0 | 12 | 102.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613532 | 18.95 | 19.25 | 0.02 | 2 | 16 | 3 | 20.0 | 7 | 11.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613533 | 19.25 | 19.50 | 0.02 | 0 | 13 | 3 | 21.0 | 12 | 5.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D20 | R613534 | 19.50 | 19.63 | 0.05 | 0 | 10 | 2 | 24.0 | 11 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613535 | 19.63 | 20.73 | 0.02 | 0 | 10 | 2 | 18.0 | 12 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613536 | 20.73 | 22.25 | 0.01 | 0 | 11 | 2 | 17.0 | 13 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613537 | 22.25 | 22.74 | 0.01 | 0 | 10 | 2 | 14.0 | 16 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613539 | 22.74 | 23.06 | 0.01 | 0 | 9 | 3 | 14.0 | 12 | 6.00 | ☑ | ☐ | ☐ | ☐ | 1/4 DUP |
| R20-D20 | R613538 | 22.74 | 23.06 | 0.01 | 0 | 5 | 3 | 12.0 | 13 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613540 | 23.06 | 24.22 | 0.01 | 0 | 10 | 2 | 14.0 | 12 | 6.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613541 | 24.22 | 24.80 | 0.01 | 0 | 21 | 9 | 29.0 | 11 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613542 | 24.80 | 25.41 | 0.01 | 0 | 8 | 3 | 19.0 | 14 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613543 | 25.41 | 26.20 | 0.01 | 0 | 40 | 2 | 19.0 | 13 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613545 | 26.20 | 26.82 | 0.02 | 0 | 44 | 4 | 34.0 | 15 | 7.60 | ☐ | ☑ | ☐ | ☐ | Coarse reject |
| R20-D20 | R613544 | 26.20 | 26.82 | 0.02 | 1 | 42 | 4 | 33.0 | 15 | 7.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613546 | 26.82 | 28.41 | 0.01 | 0 | 27 | 5 | 47.0 | 10 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613547 | 28.41 | 29.57 | 0.01 | 0 | 23 | 3 | 77.0 | 6 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613548 | 29.57 | 30.13 | 0.01 | 0 | 14 | 2 | 70.0 | 7 | 5.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D20 | R613549 | 30.13 | 30.39 | 0.01 | 0 | 10 | 3 | 59.0 | 6 | 6.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613550 | 30.39 | 31.30 | 0.01 | 0 | 8 | 2 | 63.0 | 7 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613551 | 31.30 | 31.39 | 0.02 | 0 | 19 | 3 | 46.0 | 7 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613553 | 31.39 | 32.91 | 0.01 | 0 | 22 | 2 | 57.0 | 7 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613554 | 32.91 | 34.13 | 0.01 | 0 | 35 | 3 | 56.0 | 6 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613555 | 34.13 | 34.89 | 0.01 | 0 | 43 | 6 | 48.0 | 9 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613556 | 34.89 | 35.00 | 0.01 | 0 | 49 | 7 | 45.0 | 7 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613557 | 35.00 | 37.37 | 0.01 | 0 | 143 | 10 | 41.0 | 5 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613558 | 37.37 | 37.71 | 0.01 | 0 | 83 | 7 | 77.0 | 4 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D20 | R613560 | 37.71 | 39.01 | 0.01 | 0 | 26 | 6 | 51.0 | 5 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613561 | 39.01 | 39.80 | 0.01 | 0 | 119 | 7 | 44.0 | 4 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613562 | 39.80 | 39.92 | 0.01 | 0 | 141 | 8 | 37.0 | 4 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613563 | 39.92 | 40.60 | 0.02 | 0 | 104 | 6 | 35.0 | 4 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613564 | 40.60 | 41.26 | 0.01 | 0 | 48 | 6 | 39.0 | 4 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613565 | 41.26 | 41.50 | 0.01 | 0 | 50 | 8 | 33.0 | 5 | 3.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D21 | R613567 | 41.50 | 42.24 | 0.02 | 0 | 77 | 9 | 43.0 | 5 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613568 | 42.24 | 43.58 | 0.01 | 0 | 70 | 11 | 47.0 | 5 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613569 | 43.58 | 44.45 | 0.01 | 0 | 62 | 10 | 50.0 | 5 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613570 | 44.45 | 44.90 | 0.01 | 0 | 194 | 16 | 71.0 | 3 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613571 | 44.90 | 45.39 | 0.02 | 0 | 103 | 18 | 56.0 | 4 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613572 | 44.90 | 45.39 | 0.02 | 0 | 82 | 16 | 48.0 | 4 | 4.50 | ☑ | ☐ | ☐ | ☐ | 1/4 duplicate |
| R20-D21 | R613573 | 45.39 | 45.70 | 0.01 | 0 | 59 | 14 | 38.0 | 4 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613574 | 45.70 | 46.36 | 0.02 | 0 | 165 | 11 | 49.0 | 5 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613575 | 46.36 | 46.63 | 0.02 | 0 | 87 | 13 | 42.0 | 6 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613576 | 46.63 | 46.78 | 0.01 | 0 | 112 | 11 | 44.0 | 6 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613578 | 46.78 | 48.15 | 0.02 | 0 | 100 | 13 | 40.0 | 6 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613579 | 48.15 | 49.00 | 0.02 | 0 | 87 | 10 | 46.0 | 5 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613580 | 49.00 | 49.53 | 0.01 | 0 | 57 | 9 | 52.0 | 6 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613581 | 49.53 | 49.60 | 0.01 | 0 | 66 | 11 | 52.0 | 6 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613582 | 49.60 | 50.16 | 0.01 | 0 | 78 | 11 | 49.0 | 5 | 4.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D21 | R613583 | 50.16 | 52.07 | 0.01 | 0 | 57 | 15 | 76.0 | 5 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613584 | 52.07 | 53.13 | 0.02 | 0 | 79 | 8 | 45.0 | 4 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613585 | 53.13 | 54.00 | 0.01 | 0 | 59 | 5 | 54.0 | 4 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613586 | 54.00 | 54.82 | 0.01 | 0 | 53 | 6 | 70.0 | 3 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613587 | 54.82 | 57.05 | 0.01 | 0 | 35 | 5 | 54.0 | 4 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613588 | 57.05 | 57.63 | 0.01 | 0 | 87 | 6 | 51.0 | 4 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613590 | 57.63 | 58.52 | 0.01 | 0 | 136 | 6 | 28.0 | 3 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613591 | 58.52 | 59.38 | 0.02 | 0 | 99 | 11 | 26.0 | 4 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613592 | 59.38 | 59.88 | 0.01 | 0 | 132 | 9 | 29.0 | 4 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613593 | 59.88 | 60.61 | 0.02 | 0 | 150 | 11 | 27.0 | 4 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613594 | 60.61 | 60.90 | 0.02 | 0 | 301 | 11 | 48.0 | 4 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613595 | 60.90 | 61.80 | 0.02 | 0 | 150 | 10 | 32.0 | 4 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613597 | 61.80 | 63.40 | 0.01 | 0 | 111 | 10 | 63.0 | 5 | 4.60 | ☐ | ☑ | ☐ | ☐ | COARSE REJECT |
| R20-D21 | R613596 | 61.80 | 63.40 | 0.01 | 0 | 109 | 10 | 62.0 | 5 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613598 | 63.40 | 64.74 | 0.01 | 0 | 63 | 8 | 70.0 | 4 | 4.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D21 | R613599 | 64.74 | 65.00 | 0.01 | 0 | 46 | 7 | 78.0 | 4 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D21 | R613600 | 65.00 | 65.54 | 0.01 | 0 | 44 | 8 | 70.0 | 4 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613601 | 65.54 | 65.80 | 0.01 | 0 | 39 | 5 | 64.0 | 3 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613602 | 65.80 | 67.00 | 0.01 | 0 | 38 | 5 | 56.0 | 3 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613603 | 67.00 | 67.15 | 0.01 | 0 | 26 | 5 | 59.0 | 5 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613604 | 67.15 | 67.97 | 0.01 | 0 | 53 | 5 | 53.0 | 3 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613605 | 67.97 | 68.34 | 0.01 | 0 | 148 | 5 | 34.0 | 7 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613606 | 68.34 | 68.95 | 0.01 | 0 | 119 | 6 | 33.0 | 4 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613608 | 68.95 | 69.30 | 0.01 | 0 | 67 | 7 | 72.0 | 4 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613609 | 69.30 | 69.78 | 0.01 | 0 | 49 | 8 | 84.0 | 4 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613610 | 69.78 | 70.03 | 0.01 | 0 | 57 | 7 | 79.0 | 4 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613611 | 70.03 | 71.02 | 0.01 | 0 | 73 | 5 | 44.0 | 4 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613612 | 71.02 | 72.54 | 0.01 | 0 | 57 | 4 | 34.0 | 4 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613613 | 72.54 | 73.46 | 0.01 | 0 | 127 | 3 | 30.0 | 5 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613615 | 73.46 | 74.07 | 0.01 | 0 | 198 | 4 | 36.0 | 3 | 3.70 | ☐ | ☑ | ☐ | ☐ | COARSE REJECT |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D22 | R613614 | 73.46 | 74.07 | 0.01 | 0 | 207 | 4 | 37.0 | 3 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613616 | 74.07 | 75.59 | 0.01 | 0 | 194 | 6 | 39.0 | 4 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613617 | 75.59 | 77.00 | 0.02 | 0 | 183 | 8 | 41.0 | 3 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613618 | 77.00 | 78.64 | 0.01 | 0 | 109 | 7 | 35.0 | 4 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613619 | 78.64 | 80.16 | 0.01 | 0 | 61 | 4 | 44.0 | 3 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613620 | 80.16 | 81.69 | 0.01 | 0 | 39 | 3 | 43.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613621 | 81.69 | 82.00 | 0.01 | 0 | 60 | 3 | 48.0 | 4 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613623 | 82.00 | 83.21 | 0.01 | 0 | 93 | 4 | 43.0 | 5 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613624 | 83.21 | 83.54 | 0.01 | 0 | 32 | 3 | 51.0 | 4 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613625 | 83.54 | 83.87 | 0.01 | 0 | 67 | 5 | 72.0 | 3 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613626 | 83.87 | 84.00 | 0.01 | 0 | 28 | 4 | 59.0 | 4 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613627 | 84.00 | 84.20 | 0.01 | 0 | 33 | 4 | 49.0 | 4 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613628 | 84.20 | 84.73 | 0.01 | 0 | 26 | 4 | 53.0 | 3 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613629 | 84.73 | 86.20 | 0.01 | 0 | 53 | 4 | 57.0 | 3 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613630 | 86.20 | 86.26 | 0.01 | 0 | 242 | 6 | 36.0 | 3 | 3.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D22 | R613631 | 86.26 | 86.95 | 0.01 | 0 | 184 | 7 | 34.0 | 4 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613633 | 86.95 | 87.85 | 0.01 | 0 | 56 | 8 | 48.0 | 4 | 3.70 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate |
| R20-D22 | R613632 | 86.95 | 87.85 | 0.01 | 0 | 48 | 7 | 52.0 | 4 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613634 | 87.85 | 89.31 | 0.01 | 0 | 15 | 5 | 48.0 | 4 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613635 | 89.31 | 90.45 | 0.01 | 0 | 25 | 8 | 52.0 | 4 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613636 | 90.45 | 92.00 | 0.01 | 0 | 26 | 7 | 48.0 | 4 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613638 | 92.00 | 92.35 | 0.01 | 0 | 18 | 6 | 53.0 | 4 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613639 | 92.35 | 93.88 | 0.01 | 0 | 15 | 5 | 59.0 | 4 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D22 | R613640 | 93.88 | 95.40 | 0.01 | 0 | 25 | 6 | 60.0 | 5 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613641 | 95.40 | 96.93 | 0.01 | 0 | 46 | 8 | 56.0 | 4 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613642 | 96.93 | 98.45 | 0.01 | 0 | 34 | 5 | 38.0 | 4 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613643 | 98.45 | 99.45 | 0.01 | 0 | 43 | 7 | 47.0 | 6 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613644 | 99.45 | 100.27 | 0.01 | 0 | 63 | 7 | 42.0 | 5 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613645 | 100.27 | 101.00 | 0.01 | 0 | 85 | 8 | 33.0 | 5 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613646 | 101.00 | 102.46 | 0.01 | 0 | 73 | 9 | 39.0 | 5 | 4.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D24 | R613647 | 102.46 | 103.15 | 0.01 | 0 | 124 | 17 | 46.0 | 5 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613648 | 103.15 | 103.37 | 0.02 | 0 | 132 | 22 | 51.0 | 6 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613649 | 103.15 | 103.37 | 0.02 | 0 | 140 | 24 | 53.0 | 6 | 4.90 | ☐ | ☑ | ☐ | ☐ | COARSE REJECT |
| R20-D24 | R613650 | 103.37 | 104.54 | 0.01 | 0 | 38 | 19 | 84.0 | 6 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613651 | 104.54 | 105.62 | 0.01 | 0 | 43 | 15 | 58.0 | 7 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613652 | 105.62 | 107.00 | 0.01 | 0 | 30 | 9 | 67.0 | 6 | 7.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613653 | 107.00 | 107.80 | 0.01 | 0 | 36 | 16 | 57.0 | 7 | 13.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613655 | 107.80 | 108.08 | 0.01 | 0 | 25 | 11 | 62.0 | 8 | 8.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613656 | 108.08 | 109.11 | 0.01 | 0 | 31 | 16 | 64.0 | 8 | 8.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613658 | 109.11 | 109.79 | 0.01 | 0 | 28 | 18 | 67.0 | 8 | 28.00 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate |
| R20-D24 | R613657 | 109.11 | 109.79 | 0.01 | 0 | 34 | 20 | 71.0 | 8 | 28.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613659 | 109.79 | 110.90 | 0.01 | 0 | 19 | 7 | 72.0 | 9 | 10.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613660 | 110.90 | 111.12 | 0.01 | 0 | 56 | 9 | 65.0 | 7 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613661 | 111.12 | 111.23 | 0.01 | 0 | 14 | 6 | 72.0 | 8 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613662 | 111.23 | 112.16 | 0.01 | 0 | 27 | 7 | 70.0 | 8 | 5.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D24 | R613663 | 112.16 | 113.35 | 0.01 | 0 | 34 | 7 | 46.0 | 6 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613664 | 113.35 | 113.69 | 0.01 | 0 | 29 | 8 | 37.0 | 8 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613665 | 113.69 | 114.45 | 0.01 | 0 | 23 | 6 | 39.0 | 7 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613666 | 114.45 | 114.90 | 0.01 | 0 | 27 | 9 | 49.0 | 8 | 7.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613667 | 114.90 | 116.05 | 0.01 | 0 | 18 | 8 | 67.0 | 9 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613668 | 116.05 | 116.20 | 0.01 | 0 | 30 | 12 | 61.0 | 6 | 8.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613670 | 116.20 | 116.67 | 0.01 | 0 | 16 | 6 | 52.0 | 8 | 6.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613671 | 116.67 | 117.75 | 0.01 | 0 | 7 | 8 | 55.0 | 6 | 7.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613672 | 117.75 | 118.26 | 0.01 | 1 | 32 | 7 | 48.0 | 6 | 11.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613673 | 118.26 | 119.78 | 0.01 | 0 | 49 | 7 | 25.0 | 5 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613674 | 119.78 | 121.31 | 0.02 | 0 | 51 | 7 | 17.0 | 5 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613675 | 121.31 | 122.83 | 0.01 | 0 | 31 | 9 | 22.0 | 5 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613677 | 122.83 | 124.35 | 0.01 | 0 | 17 | 8 | 29.0 | 6 | 7.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613678 | 124.35 | 125.88 | 0.01 | 0 | 23 | 9 | 51.0 | 5 | 8.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D24 | R613679 | 125.88 | 127.49 | 0.01 | 1 | 13 | 8 | 44.0 | 6 | 10.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D24 | R613680 | 127.49 | 128.00 | 0.02 | 2 | 17 | 7 | 57.0 | 6 | 16.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613681 | 128.00 | 128.93 | 0.02 | 0 | 29 | 2 | 52.0 | 8 | 7.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613682 | 128.93 | 130.45 | 0.01 | 0 | 55 | 33 | 193.0 | 6 | 8.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613683 | 130.45 | 131.00 | 0.02 | 0 | 17 | 11 | 45.0 | 7 | 9.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613684 | 131.00 | 131.97 | 0.01 | 0 | 11 | 6 | 32.0 | 6 | 7.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613685 | 131.97 | 133.03 | 0.02 | 3 | 13 | 3 | 43.0 | 6 | 15.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613687 | 133.03 | 133.22 | 0.01 | 0 | 8 | 3 | 26.0 | 6 | 7.00 | ☑ | ☐ | ☐ | ☐ | 1/4 Dup |
| R20-D26 | R613686 | 133.03 | 133.22 | 0.02 | 0 | 6 | 3 | 27.0 | 6 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613688 | 133.22 | 135.02 | 0.02 | 0 | 12 | 4 | 32.0 | 6 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613689 | 135.02 | 136.55 | 0.03 | 0 | 9 | 4 | 41.0 | 8 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613690 | 136.55 | 138.07 | 0.03 | 0 | 22 | 4 | 36.0 | 9 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613692 | 138.07 | 139.56 | 0.04 | 1 | 21 | 5 | 33.0 | 10 | 8.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613693 | 139.56 | 141.12 | 0.02 | 0 | 16 | 3 | 37.0 | 12 | 8.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613694 | 141.12 | 141.82 | 0.02 | 0 | 18 | 3 | 37.0 | 14 | 9.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613695 | 141.82 | 142.23 | 0.17 | 0 | 15 | 3 | 38.0 | 15 | 7.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D26 | R613696 | 142.23 | 142.40 | 0.03 | 0 | 19 | 3 | 31.0 | 16 | 8.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613697 | 142.40 | 142.71 | 0.07 | 0 | 21 | 3 | 37.0 | 18 | 8.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613699 | 142.71 | 143.12 | 0.04 | 0 | 11 | 2 | 34.0 | 13 | 9.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613700 | 143.12 | 143.18 | 0.85 | 0 | 8 | 4 | 31.0 | 7 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613701 | 143.18 | 143.56 | 0.04 | 0 | 14 | 2 | 24.0 | 15 | 10.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613702 | 143.56 | 144.38 | 0.04 | 0 | 8 | 2 | 15.0 | 14 | 9.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613703 | 144.38 | 144.51 | 0.13 | 0 | 14 | 3 | 14.0 | 11 | 8.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613704 | 144.51 | 145.69 | 0.02 | 0 | 9 | 2 | 14.0 | 12 | 10.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613705 | 145.69 | 147.22 | 0.04 | 0 | 14 | 2 | 13.0 | 12 | 8.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613706 | 147.22 | 148.74 | 0.03 | 0 | 5 | 2 | 17.0 | 11 | 9.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613707 | 148.74 | 150.26 | 0.07 | 0 | 7 | 2 | 11.0 | 12 | 9.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613708 | 150.26 | 151.05 | 0.02 | 0 | 8 | 2 | 13.0 | 13 | 9.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613709 | 151.05 | 151.20 | 0.02 | 0 | 17 | 2 | 12.0 | 12 | 9.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613711 | 151.20 | 153.31 | 0.07 | 0 | 11 | 2 | 11.0 | 13 | 10.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613712 | 153.31 | 154.84 | 0.05 | 0 | 8 | 2 | 11.0 | 12 | 9.10 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D26 | R613713 | 154.84 | 156.36 | 0.04 | 0 | 5 | 2 | 13.0 | 12 | 9.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613714 | 156.36 | 156.86 | 0.02 | 0 | 6 | 2 | 17.0 | 13 | 10.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613715 | 156.86 | 156.97 | 0.07 | 0 | 6 | 2 | 12.0 | 12 | 9.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613716 | 156.97 | 157.20 | 0.10 | 0 | 3 | 2 | 11.0 | 12 | 10.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613717 | 157.20 | 157.72 | 0.05 | 0 | 8 | 7 | 13.0 | 11 | 8.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613719 | 157.72 | 158.11 | 0.13 | 0 | 7 | 3 | 8.0 | 12 | 11.40 | ☐ | ☑ | ☐ | ☐ | Coarse reject |
| R20-D26 | R613718 | 157.72 | 158.11 | 0.12 | 0 | 7 | 2 | 8.0 | 12 | 11.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D26 | R613720 | 158.11 | 158.42 | 0.10 | 0 | 2 | 2 | 7.0 | 16 | 15.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613721 | 158.42 | 159.00 | 0.15 | 0 | 6 | 4 | 9.0 | 13 | 10.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613722 | 159.00 | 159.41 | 0.03 | 0 | 1 | 1 | 10.0 | 13 | 7.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613723 | 159.41 | 160.93 | 0.02 | 0 | 4 | 2 | 8.0 | 11 | 9.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613724 | 160.93 | 162.00 | 0.02 | 0 | 6 | 3 | 12.0 | 8 | 9.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613725 | 162.00 | 162.20 | 0.02 | 0 | 4 | 4 | 8.0 | 7 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613726 | 162.20 | 163.98 | 0.02 | 0 | 3 | 3 | 8.0 | 8 | 8.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613727 | 163.98 | 165.50 | 0.03 | 0 | 9 | 3 | 10.0 | 9 | 12.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D27 | R613728 | 165.50 | 166.67 | 0.01 | 0 | 14 | 3 | 10.0 | 9 | 11.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613729 | 166.67 | 166.92 | 0.02 | 0 | 22 | 3 | 12.0 | 9 | 11.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613730 | 166.92 | 167.34 | 0.02 | 0 | 21 | 3 | 11.0 | 8 | 9.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613732 | 167.34 | 168.24 | 0.01 | 0 | 9 | 4 | 16.0 | 8 | 8.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613733 | 168.24 | 168.74 | 0.01 | 0 | 7 | 2 | 10.0 | 10 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613734 | 168.74 | 170.07 | 0.01 | 0 | 9 | 2 | 8.0 | 14 | 8.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613735 | 170.07 | 171.10 | 0.03 | 0 | 2 | 2 | 7.0 | 20 | 11.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613736 | 171.10 | 171.47 | 0.02 | 0 | 7 | 5 | 9.0 | 14 | 9.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613737 | 171.47 | 172.49 | 0.07 | 0 | 6 | 3 | 15.0 | 9 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613739 | 172.49 | 173.12 | 0.02 | 0 | 5 | 3 | 11.0 | 7 | 7.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613740 | 173.12 | 174.00 | 0.05 | 0 | 15 | 3 | 9.0 | 7 | 8.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613741 | 174.00 | 174.11 | 0.03 | 0 | 20 | 6 | 20.0 | 4 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613742 | 174.11 | 174.84 | 0.01 | 0 | 10 | 3 | 12.0 | 5 | 7.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613743 | 174.84 | 175.50 | 0.01 | 0 | 9 | 7 | 32.0 | 6 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613744 | 175.50 | 175.61 | 0.02 | 0 | 18 | 7 | 29.0 | 4 | 6.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D27 | R613745 | 175.61 | 176.17 | 0.01 | 0 | 9 | 4 | 19.0 | 7 | 9.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613746 | 176.17 | 176.45 | 0.02 | 0 | 11 | 4 | 17.0 | 6 | 7.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613747 | 176.45 | 177.69 | 0.01 | 0 | 4 | 2 | 14.0 | 6 | 8.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613748 | 177.69 | 179.22 | 0.03 | 0 | 18 | 4 | 11.0 | 5 | 8.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613749 | 177.69 | 179.22 | 0.03 | 0 | 18 | 4 | 11.0 | 5 | 8.40 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate |
| R20-D27 | R613750 | 179.22 | 179.47 | 0.01 | 0 | 7 | 4 | 13.0 | 6 | 13.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613751 | 179.47 | 179.68 | 0.01 | 0 | 3 | 4 | 15.0 | 5 | 9.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613752 | 179.68 | 180.04 | 0.02 | 0 | 3 | 2 | 11.0 | 7 | 12.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613753 | 180.04 | 180.40 | 0.01 | 0 | 14 | 9 | 18.0 | 6 | 10.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613754 | 180.40 | 180.61 | 0.04 | 0 | 7 | 4 | 14.0 | 6 | 11.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613755 | 180.61 | 181.13 | 0.12 | 0 | 18 | 6 | 19.0 | 2 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613757 | 181.13 | 182.20 | 0.09 | 0 | 11 | 4 | 13.0 | 3 | 6.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613758 | 182.20 | 183.00 | 0.05 | 0 | 23 | 3 | 12.0 | 3 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613759 | 183.00 | 183.10 | 0.28 | 0 | 72 | 23 | 51.0 | 4 | 9.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D27 | R613760 | 183.00 | 183.10 | 0.74 | 0 | 62 | 25 | 47.0 | 4 | 8.80 | ☐ | ☑ | ☐ | ☐ | COARSE REJECT |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D29 | R613761 | 183.10 | 183.42 | 0.01 | 0 | 15 | 11 | 15.0 | 6 | 13.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613762 | 183.42 | 184.00 | 0.03 | 0 | 35 | 7 | 12.0 | 5 | 12.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613764 | 184.00 | 186.84 | 0.03 | 0 | 22 | 17 | 56.0 | 4 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613765 | 186.84 | 188.36 | 0.17 | 0 | 18 | 5 | 17.0 | 4 | 7.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613766 | 188.36 | 188.47 | 0.20 | 0 | 22 | 7 | 17.0 | 4 | 8.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613767 | 188.47 | 188.90 | 0.08 | 0 | 19 | 5 | 17.0 | 4 | 8.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613768 | 188.90 | 189.89 | 0.02 | 0 | 15 | 4 | 16.0 | 5 | 7.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613769 | 189.89 | 190.85 | 0.01 | 0 | 17 | 4 | 18.0 | 5 | 7.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613770 | 190.85 | 191.14 | 0.01 | 0 | 18 | 3 | 13.0 | 4 | 6.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613771 | 190.85 | 191.14 | 0.01 | 0 | 18 | 4 | 14.0 | 4 | 6.70 | ☐ | ☑ | ☐ | ☐ | COARSE REJECT |
| R20-D29 | R613772 | 191.14 | 191.52 | 0.05 | 0 | 24 | 11 | 19.0 | 3 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613773 | 191.52 | 192.93 | 0.02 | 0 | 11 | 7 | 9.0 | 2 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613774 | 192.93 | 194.46 | 0.03 | 0 | 10 | 7 | 15.0 | 2 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613775 | 194.46 | 195.98 | 0.05 | 0 | 7 | 11 | 13.0 | 2 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613776 | 195.98 | 197.51 | 0.05 | 0 | 6 | 7 | 12.0 | 2 | 4.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D29 | R613777 | 197.51 | 199.03 | 0.07 | 0 | 12 | 6 | 12.0 | 3 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613778 | 199.03 | 200.55 | 0.14 | 0 | 11 | 7 | 11.0 | 3 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613779 | 200.55 | 202.08 | 0.05 | 0 | 11 | 9 | 12.0 | 3 | 6.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613780 | 202.08 | 203.60 | 0.06 | 0 | 12 | 11 | 12.0 | 3 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613781 | 203.60 | 205.13 | 0.10 | 0 | 8 | 10 | 10.0 | 3 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613782 | 205.13 | 206.65 | 0.08 | 0 | 7 | 15 | 16.0 | 4 | 7.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613783 | 206.65 | 207.35 | 0.02 | 0 | 5 | 9 | 11.0 | 4 | 9.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613784 | 207.35 | 207.66 | 0.03 | 0 | 13 | 16 | 15.0 | 3 | 8.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613785 | 207.66 | 208.18 | 0.07 | 0 | 8 | 21 | 10.0 | 4 | 8.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613786 | 208.18 | 209.20 | 0.07 | 0 | 7 | 15 | 11.0 | 4 | 9.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613787 | 209.20 | 209.39 | 0.13 | 0 | 13 | 29 | 22.0 | 2 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613789 | 209.39 | 211.23 | 0.07 | 0 | 5 | 30 | 14.0 | 4 | 7.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613791 | 211.23 | 212.75 | 0.07 | 0 | 4 | 34 | 16.0 | 4 | 8.10 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate |
| R20-D29 | R613790 | 211.23 | 212.75 | 0.05 | 0 | 4 | 27 | 14.0 | 4 | 9.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613792 | 212.75 | 214.03 | 0.03 | 0 | 5 | 18 | 7.0 | 5 | 9.50 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D29 | R613793 | 214.03 | 214.35 | 0.01 | 0 | 1 | 33 | 21.0 | 1 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613794 | 214.35 | 215.59 | 0.04 | 0 | 17 | 21 | 20.0 | 4 | 8.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613795 | 215.59 | 215.80 | 0.02 | 0 | 36 | 49 | 25.0 | 1 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613797 | 215.80 | 216.91 | 0.02 | 0 | 19 | 31 | 20.0 | 3 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613798 | 216.91 | 217.45 | 0.17 | 0 | 28 | 9 | 10.0 | 4 | 7.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613799 | 217.45 | 219.14 | 0.14 | 0 | 46 | 14 | 40.0 | 3 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D29 | R613800 | 219.14 | 219.74 | 0.07 | 0 | 35 | 13 | 32.0 | 4 | 7.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613801 | 219.74 | 220.37 | 0.01 | 0 | 53 | 9 | 19.0 | 5 | 9.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613802 | 220.37 | 221.89 | 0.06 | 0 | 27 | 5 | 14.0 | 5 | 9.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613803 | 221.89 | 222.18 | 0.04 | 0 | 17 | 9 | 17.0 | 5 | 8.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613804 | 222.18 | 222.33 | 0.11 | 0 | 80 | 6 | 15.0 | 4 | 8.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613805 | 222.33 | 223.42 | 0.19 | 0 | 19 | 5 | 41.0 | 5 | 8.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613806 | 223.42 | 224.94 | 0.01 | 0 | 12 | 7 | 50.0 | 5 | 8.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613807 | 224.94 | 226.47 | 0.01 | 0 | 32 | 5 | 19.0 | 5 | 9.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613808 | 226.47 | 227.99 | 0.04 | 0 | 63 | 7 | 20.0 | 8 | 9.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D31 | R613809 | 227.99 | 229.51 | 0.19 | 0 | 48 | 5 | 15.0 | 4 | 9.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613810 | 229.51 | 229.88 | 0.04 | 0 | 59 | 6 | 12.0 | 4 | 9.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613811 | 229.88 | 230.47 | 0.03 | 0 | 90 | 8 | 13.0 | 4 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613812 | 229.88 | 230.47 | 0.04 | 0 | 85 | 8 | 12.0 | 4 | 7.10 | ☐ | ☑ | ☐ | ☐ | COARSE REJECT |
| R20-D31 | R613813 | 230.47 | 231.04 | 0.01 | 0 | 8 | 3 | 20.0 | 5 | 10.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613814 | 231.04 | 232.56 | 0.01 | 0 | 9 | 6 | 39.0 | 6 | 11.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613815 | 232.56 | 234.09 | 0.02 | 0 | 86 | 11 | 33.0 | 7 | 12.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613817 | 234.09 | 234.70 | 0.01 | 0 | 47 | 7 | 37.0 | 7 | 12.10 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531795 | 7114132 | 1081.3 | 306.01 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: AS -20-004**

**CLAIM:**

Contractor: Superior

Drill: 3

Core Size: HQ3

Casing Depth:

Drilling Dates: Sep 16 - Sep 23, 2020

Geology Logged By: I. Betts

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| 0 | 29.9 | -50 | Reflex |
| 306.01 | 32.16 | -45.5 | Reflex |

**TARGET:**

| SUMMARY | | | |
|---|---|---|---|
| From (m) | To (m) | Interval (m) | Rock Type |
| 0 | 4.3 | 4.3 | OVB |
| 4.3 | 16.45 | 12.15 | PHY |
| 16.45 | 20.33 | 3.88 | PHY |
| 20.33 | 21.88 | 1.55 | PHY |
| 21.88 | 26.35 | 4.47 | PHY |
| 26.35 | 39.12 | 12.77 | PHY |
| 39.12 | 43.4 | 4.28 | PHY |
| 43.4 | 48.64 | 5.24 | PHY |
| 48.64 | 63.5 | 14.86 | PHY |
| 63.5 | 66.75 | 3.25 | PHY |
| 66.75 | 76.55 | 9.8 | PHY |
| 76.55 | 76.95 | 0.4 | PHY |
| 76.95 | 78.09 | 1.14 | PHY |
| 78.09 | 79.3 | 1.21 | PHY |
| 79.3 | 79.91 | 0.61 | PHY |
| 79.91 | 81.14 | 1.23 | PHY |

| SAMPLES | |
|---|---|
| Numbers: | W233465 to W233869 |
| Total: | 405 |
| Batch: | D25, D28, D30, D32, D34, D36, D37, D39, D41, D4 |
| Certificates: | WH20218089, WH20218109, WH20218114, WH20218117, WH20218119, WH20218130, WH20218134, WH20218136, WH20222442, WH20222454, WH20227718, WH20295510, |

**COMMENTS**

Hole ended at target depth. Casing left in hole. Weak mineralization observed toward end of hole. Had to move on due to water-well pad due to time contraints.

| | | | |
|---|---|---|---|
| 81.14 | 81.99 | 0.85 | PHY |
| 81.99 | 94 | 12.01 | PHY |
| 94 | 98.76 | 4.76 | FLR |
| 98.76 | 120.09 | 21.33 | PHY |
| 120.09 | 126.18 | 6.09 | PHY |
| 126.18 | 129.29 | 3.11 | PHY |
| 129.29 | 129.76 | 0.47 | QV |
| 129.76 | 135.66 | 5.9 | PHY |
| 135.66 | 137.24 | 1.58 | QV |
| 137.24 | 141.32 | 4.08 | PHY |
| 141.32 | 151.78 | 10.46 | PHY |
| 151.78 | 153.14 | 1.36 | PHY |
| 153.14 | 190.19 | 37.05 | PHY |
| 190.19 | 223.72 | 33.53 | PHY |
| 223.72 | 233.21 | 9.49 | PHY |
| 233.21 | 236 | 2.79 | PHY |
| 236 | 236.4 | 0.4 | QV |
| 236.4 | 237.43 | 1.03 | PHY |
| 237.43 | 239.35 | 1.92 | PHY |
| 239.35 | 244.08 | 4.73 | PHY |
| 244.08 | 244.45 | 0.37 | PHY |
| 244.45 | 245.05 | 0.6 | QV |
| 245.05 | 245.75 | 0.7 | PHY |
| 245.75 | 250.7 | 4.95 | PHY |
| 250.7 | 254.27 | 3.57 | BAS |
| 254.27 | 270.25 | 15.98 | PHY |
| 270.25 | 285.88 | 15.63 | PHY |
| 285.88 | 306.01 | 20.13 | PHY |

# AS -20-004



| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233806 | ☐ | R20-D42 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233852 | ☐ | R20-D44 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233850 | ☐ | R20-D44 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233487 | ☐ | R20-D28 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233819 | ☐ | R20-D42 | Core | GS-3Q | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233779 | ☐ | R20-D41 | Core | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233773 | ☐ | R20-D41 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233767 | ☐ | R20-D41 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233753 | ☐ | R20-D39 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233738 | ☐ | R20-D39 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233731 | ☐ | R20-D39 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233715 | ☐ | R20-D37 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233701 | ☐ | R20-D37 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233688 | ☐ | R20-D37 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233566 | ☐ | R20-D32 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233493 | ☐ | R20-D28 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233507 | ☐ | R20-D28 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233534 | ☐ | R20-D30 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233541 | ☐ | R20-D30 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233673 | ☐ | R20-D36 | Core | GS-3Q | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233559 | ☐ | R20-D30 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233573 | ☐ | R20-D32 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233599 | ☐ | R20-D32 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233604 | ☐ | R20-D34 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233627 | ☐ | R20-D34 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233632 | ☐ | R20-D34 | Core | | ☑ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233647 | ☐ | R20-D36 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233656 | ☐ | R20-D36 | Core | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233831 | ☐ | R20-D42 | Core | | ☑ | ☐ | ☐ |
| 4.30 | 5.79 | 1.49 | OVB, PHY | 1.15 | 77 | W233465 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 5.79 | 6.33 | 0.54 | PHY | 0.54 | 100 | W233466 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 6.33 | 6.50 | 0.17 | PHY | 0.17 | 100 | W233467 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 6.50 | 7.60 | 1.10 | PHY | 0.75 | 68 | W233468 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 7.60 | 8.84 | 1.24 | PHY | 1.22 | 98 | W233469 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 8.84 | 10.36 | 1.52 | PHY | 1.49 | 98 | W233470 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 10.36 | 11.88 | 1.52 | PHY | 1.09 | 72 | W233471 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 11.88 | 12.76 | 0.88 | PHY | 0.86 | 98 | W233472 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 12.76 | 13.56 | 0.80 | PHY | 0.79 | 99 | W233473 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 13.56 | 14.14 | 0.58 | PHY | 0.46 | 79 | W233474 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 14.14 | 14.70 | 0.56 | PHY | 0.45 | 80 | W233475 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 14.70 | 16.45 | 1.75 | PHY | 1.24 | 71 | W233476 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 16.45 | 17.38 | 0.93 | PHY, PHY | 0.88 | 95 | W233477 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 17.38 | 17.53 | 0.15 | PHY | 0.12 | 80 | W233478 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 17.53 | 18.32 | 0.79 | PHY | 0.78 | 99 | W233479 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 18.32 | 19.50 | 1.18 | PHY | 1.15 | 97 | W233480 | ☐ | R20-D25 | Core | | ☐ | ☐ | ☐ |
| 19.50 | 21.03 | 1.53 | PHY | 1.35 | 88 | W233481 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 21.03 | 21.89 | 0.86 | PHY | 0.83 | 97 | W233482 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 21.89 | 22.27 | 0.38 | PHY | 0.27 | 71 | W233483 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 22.27 | 22.55 | 0.28 | PHY | 0.18 | 64 | W233484 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 22.55 | 23.07 | 0.52 | PHY | 0.50 | 96 | W233485 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 23.07 | 24.07 | 1.00 | PHY | 0.98 | 98 | W233486 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 24.07 | 25.60 | 1.53 | PHY | 1.47 | 96 | W233488 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 25.60 | 27.12 | 1.52 | PHY | 1.35 | 89 | W233489 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27.12 | 27.83 | 0.71 | PHY | 0.68 | 96 | W233490 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 27.83 | 28.50 | 0.67 | PHY | 0.51 | 76 | W233491 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 28.50 | 28.65 | 0.15 | PHY | 0.13 | 87 | W233492 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 28.65 | 29.25 | 0.60 | PHY | 0.53 | 88 | W233494 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 29.25 | 30.17 | 0.92 | PHY | 0.91 | 99 | W233495 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 30.17 | 31.23 | 1.06 | PHY | 0.79 | 75 | W233496 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 31.23 | 31.69 | 0.46 | PHY | 0.45 | 98 | W233497 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 33.72 | 34.14 | 0.42 | PHY | 0.42 | 100 | W233498 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 34.14 | 35.00 | 0.86 | PHY | 0.37 | 43 | W233499 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 35.00 | 35.47 | 0.47 | PHY | 0.46 | 98 | W233500 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 35.47 | 36.27 | 0.80 | PHY | 0.42 | 53 | W233501 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 35.47 | 36.27 | 0.80 | PHY | 0.79 | 99 | W233502 | ☐ | R20-D28 | Core | | ☐ | ☑ | ☐ |
| 36.27 | 37.52 | 1.25 | PHY | 1.19 | 95 | W233503 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 37.52 | 37.79 | 0.27 | PHY | 0.25 | 93 | W233504 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 37.79 | 38.20 | 0.41 | PHY | 0.36 | 88 | W233505 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 38.20 | 39.12 | 0.92 | PHY | 0.88 | 96 | W233506 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 39.12 | 40.32 | 1.20 | PHY, PHY | 1.07 | 89 | W233508 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 40.32 | 40.57 | 0.25 | PHY | 0.22 | 88 | W233509 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 40.57 | 40.84 | 0.27 | PHY | 0.18 | 67 | W233510 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 40.84 | 41.38 | 0.54 | PHY | 0.52 | 96 | W233511 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 41.38 | 41.53 | 0.15 | PHY | 0.15 | 100 | W233512 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 41.53 | 42.10 | 0.57 | PHY | 0.57 | 100 | W233513 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 41.53 | 42.10 | 0.57 | PHY | 0.57 | 100 | W233514 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☑ |
| 42.10 | 42.20 | 0.10 | PHY | 0.09 | 90 | W233515 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 42.20 | 43.42 | 1.22 | PHY | 0.62 | 51 | W233516 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 43.42 | 43.59 | 0.17 | PHY | 0.17 | 100 | W233517 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 43.59 | 44.00 | 0.41 | PHY | 0.33 | 80 | W233518 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 44.00 | 44.17 | 0.17 | PHY | 0.17 | 100 | W233519 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44.17 | 45.41 | 1.24 | PHY | 0.91 | 73 | W233520 | ☐ | R20-D28 | Core | | ☐ | ☐ | ☐ |
| 45.41 | 46.93 | 1.52 | PHY | 0.92 | 61 | W233521 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 46.93 | 48.46 | 1.53 | PHY | 1.40 | 92 | W233522 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 48.46 | 49.98 | 1.52 | PHY | 1.37 | 90 | W233523 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 49.98 | 51.13 | 1.15 | PHY | 1.01 | 88 | W233524 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 51.13 | 51.51 | 0.38 | PHY | 0.38 | 100 | W233525 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 51.51 | 52.05 | 0.54 | PHY | 0.54 | 100 | W233526 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 52.05 | 52.45 | 0.40 | PHY | 0.40 | 100 | W233527 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 52.05 | 52.45 | 0.40 | PHY | 0.40 | 100 | W233528 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☑ |
| 52.45 | 54.08 | 1.63 | PHY | 1.45 | 89 | W233529 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 54.08 | 54.14 | 0.06 | PHY | 0.06 | 100 | W233530 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 54.14 | 54.55 | 0.41 | PHY | 0.37 | 90 | W233531 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 54.55 | 54.81 | 0.26 | PHY | 0.26 | 100 | W233532 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 54.81 | 56.86 | 2.05 | PHY | 2.05 | 100 | W233533 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 56.86 | 57.60 | 0.74 | PHY | 0.65 | 88 | W233535 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 57.60 | 58.59 | 0.99 | PHY | 0.99 | 100 | W233536 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 57.60 | 58.59 | 0.99 | PHY | 0.99 | 100 | W233537 | ☐ | R20-D30 | Core | | ☐ | ☑ | ☐ |
| 58.59 | 58.72 | 0.13 | PHY | 0.13 | 100 | W233538 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 58.72 | 59.24 | 0.52 | PHY | 0.51 | 98 | W233539 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 59.24 | 59.31 | 0.07 | PHY | 0.07 | 100 | W233540 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 59.31 | 60.65 | 1.34 | PHY | 1.21 | 90 | W233542 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 60.65 | 62.17 | 1.52 | PHY | 1.52 | 100 | W233543 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 62.17 | 62.55 | 0.38 | PHY | 0.36 | 95 | W233544 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 62.55 | 63.70 | 1.15 | PHY | 1.01 | 88 | W233545 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 63.70 | 63.97 | 0.27 | PHY | 0.27 | 100 | W233546 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 63.97 | 64.48 | 0.51 | PHY | 0.51 | 100 | W233547 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 64.48 | 64.70 | 0.22 | PHY | 0.22 | 100 | W233548 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 64.70 | 64.74 | 0.04 | PHY | 0.04 | 100 | W233549 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64.74 | 65.22 | 0.48 | PHY | 0.42 | 88 | W233550 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 65.22 | 65.67 | 0.45 | PHY | 0.43 | 96 | W233551 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 65.67 | 66.19 | 0.52 | PHY | 0.45 | 87 | W233552 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 66.19 | 66.35 | 0.16 | PHY | 0.16 | 100 | W233553 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 66.35 | 66.75 | 0.40 | PHY | 0.32 | 80 | W233554 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 66.75 | 68.27 | 1.52 | PHY, PHY | 1.52 | 100 | W233555 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 68.27 | 69.79 | 1.52 | PHY | 1.50 | 99 | W233556 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 69.79 | 70.30 | 0.51 | PHY | 0.51 | 100 | W233557 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 70.30 | 71.80 | 1.50 | PHY | 1.49 | 99 | W233558 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 71.80 | 72.32 | 0.52 | PHY | 0.47 | 90 | W233560 | ☐ | R20-D30 | Core | | ☐ | ☐ | ☐ |
| 72.32 | 72.45 | 0.13 | PHY | 0.13 | 100 | W233561 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 72.45 | 73.45 | 1.00 | PHY | 1.00 | 100 | W233562 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 73.45 | 74.37 | 0.92 | PHY | 0.88 | 96 | W233563 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 74.37 | 75.47 | 1.10 | PHY | 1.00 | 91 | W233564 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 75.47 | 76.97 | 1.50 | PHY | 1.40 | 93 | W233565 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 76.97 | 77.31 | 0.34 | PHY | 0.34 | 100 | W233567 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 77.31 | 78.09 | 0.78 | PHY | 0.62 | 79 | W233568 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 78.09 | 78.94 | 0.85 | PHY, PHY | 0.85 | 100 | W233569 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 78.94 | 79.08 | 0.14 | PHY | 0.12 | 86 | W233570 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 79.08 | 80.63 | 1.55 | PHY | 1.30 | 84 | W233571 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 80.63 | 80.78 | 0.15 | PHY | 0.15 | 100 | W233572 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 80.78 | 81.99 | 1.21 | PHY | 1.17 | 97 | W233574 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 81.99 | 82.55 | 0.56 | PHY, PHY | 0.52 | 93 | W233575 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 81.99 | 82.55 | 0.56 | PHY, PHY | 0.52 | 93 | W233576 | ☐ | R20-D32 | Core | | ☐ | ☑ | ☐ |
| 82.55 | 82.88 | 0.33 | PHY | 0.33 | 100 | W233577 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 82.88 | 83.20 | 0.32 | PHY | 0.31 | 97 | W233578 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83.20 | 83.38 | 0.18 | PHY | 0.18 | 100 | W233579 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 83.38 | 83.66 | 0.28 | PHY | 0.26 | 93 | W233580 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 83.66 | 84.12 | 0.46 | PHY | 0.39 | 85 | W233581 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 84.12 | 84.46 | 0.34 | PHY | 0.34 | 100 | W233582 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 84.46 | 84.71 | 0.25 | PHY | 0.25 | 100 | W233583 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 84.71 | 85.00 | 0.29 | PHY | 0.20 | 69 | W233584 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 85.00 | 85.70 | 0.70 | PHY | 0.60 | 86 | W233585 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 85.70 | 86.08 | 0.38 | PHY | 0.35 | 92 | W233586 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 86.08 | 88.09 | 2.01 | PHY | 1.83 | 91 | W233587 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 86.08 | 88.09 | 2.01 | PHY | 1.83 | 91 | W233588 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☑ |
| 88.09 | 88.90 | 0.81 | PHY | 0.81 | 100 | W233589 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 88.90 | 89.00 | 0.10 | PHY | 0.10 | 100 | W233590 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 89.00 | 89.61 | 0.61 | PHY | 0.61 | 100 | W233591 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 89.61 | 91.14 | 1.53 | PHY | 1.24 | 81 | W233592 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 91.14 | 92.66 | 1.52 | PHY | 1.52 | 100 | W233593 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 92.66 | 94.18 | 1.52 | PHY | 1.14 | 75 | W233594 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 94.18 | 95.71 | 1.53 | FLR | 1.15 | 75 | W233595 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 95.71 | 97.23 | 1.52 | FLR | 0.80 | 53 | W233596 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 97.23 | 98.76 | 1.53 | FLR | 1.28 | 84 | W233597 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 98.76 | 100.28 | 1.52 | PHY, FLR | 0.82 | 54 | W233598 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 100.28 | 101.80 | 1.52 | PHY | 0.54 | 36 | W233600 | ☐ | R20-D32 | Core | | ☐ | ☐ | ☐ |
| 101.80 | 102.40 | 0.60 | PHY | 0.52 | 87 | W233601 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 102.40 | 102.63 | 0.23 | PHY | 0.23 | 100 | W233602 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 102.63 | 103.32 | 0.69 | PHY | 0.60 | 87 | W233603 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 103.32 | 104.85 | 1.53 | PHY | 1.52 | 99 | W233605 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 104.85 | 106.37 | 1.52 | PHY | 1.52 | 100 | W233606 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 106.37 | 107.89 | 1.52 | PHY | 1.40 | 92 | W233607 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 107.89 | 109.42 | 1.53 | PHY | 1.38 | 90 | W233608 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 107.89 | 109.42 | 1.53 | PHY | 1.38 | 90 | W233609 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☑ |
| 109.42 | 110.94 | 1.52 | PHY | 0.91 | 60 | W233610 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 110.94 | 112.47 | 1.53 | PHY | 1.52 | 99 | W233611 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 112.47 | 113.99 | 1.52 | PHY | 0.85 | 56 | W233612 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 113.99 | 115.77 | 1.78 | PHY | 1.47 | 83 | W233613 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 115.77 | 116.26 | 0.49 | PHY | 0.47 | 96 | W233614 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 116.26 | 117.04 | 0.78 | PHY | 0.74 | 95 | W233615 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 117.04 | 117.67 | 0.63 | PHY | 0.63 | 100 | W233616 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 117.04 | 117.67 | 0.63 | PHY | 0.63 | 100 | W233617 | ☐ | R20-D34 | Core | | ☐ | ☑ | ☐ |
| 117.67 | 118.15 | 0.48 | PHY | 0.48 | 100 | W233618 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 118.15 | 120.09 | 1.94 | PHY | 1.94 | 100 | W233619 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 120.09 | 121.61 | 1.52 | PHY, PHY | 1.52 | 100 | W233620 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 121.61 | 121.96 | 0.35 | PHY | 0.33 | 94 | W233621 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 121.96 | 123.13 | 1.17 | PHY | 1.17 | 100 | W233622 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 123.13 | 124.66 | 1.53 | PHY | 1.49 | 97 | W233623 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 124.66 | 126.18 | 1.52 | PHY | 1.52 | 100 | W233624 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 126.18 | 127.71 | 1.53 | PHY, PHY | 1.33 | 87 | W233625 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 127.71 | 128.24 | 0.53 | PHY | 0.53 | 100 | W233626 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 128.24 | 128.81 | 0.57 | PHY | 0.56 | 98 | W233628 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 128.81 | 129.14 | 0.33 | PHY | 0.32 | 97 | W233629 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 129.14 | 129.49 | 0.35 | PHY | 0.32 | 91 | W233630 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 129.49 | 129.64 | 0.15 | QV | 0.15 | 100 | W233631 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 129.64 | 130.13 | 0.49 | QV | 0.49 | 100 | W233633 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 130.13 | 130.97 | 0.84 | PHY | 0.84 | 100 | W233634 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 130.97 | 131.41 | 0.44 | PHY | 0.42 | 95 | W233635 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 131.41 | 132.00 | 0.59 | PHY | 0.58 | 98 | W233636 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 132.00 | 132.53 | 0.53 | PHY | 0.53 | 100 | W233637 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 132.53 | 133.02 | 0.49 | PHY | 0.45 | 92 | W233638 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 133.02 | 133.42 | 0.40 | PHY | 0.40 | 100 | W233639 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 133.42 | 134.12 | 0.70 | PHY | 0.30 | 43 | W233640 | ☐ | R20-D34 | Core | | ☐ | ☐ | ☐ |
| 134.12 | 134.53 | 0.41 | PHY | 0.40 | 98 | W233641 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 134.53 | 135.05 | 0.52 | PHY | 0.46 | 88 | W233642 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 135.05 | 135.65 | 0.60 | PHY | 0.60 | 100 | W233643 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 135.65 | 136.32 | 0.67 | PHY | 0.60 | 90 | W233644 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 136.32 | 136.70 | 0.38 | QV | 0.38 | 100 | W233645 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 136.70 | 137.15 | 0.45 | QV | 0.45 | 100 | W233646 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 137.15 | 137.52 | 0.37 | QV | 0.36 | 97 | W233648 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 137.52 | 138.00 | 0.48 | PHY | 0.45 | 94 | W233649 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 138.00 | 138.47 | 0.47 | PHY | 0.47 | 100 | W233650 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 138.47 | 139.00 | 0.53 | PHY | 0.35 | 66 | W233651 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 139.00 | 139.30 | 0.30 | PHY | 0.30 | 100 | W233652 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 139.30 | 139.58 | 0.28 | PHY | 0.28 | 100 | W233653 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 139.58 | 139.90 | 0.32 | PHY | 0.32 | 100 | W233654 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 139.90 | 140.05 | 0.15 | PHY | 0.15 | 100 | W233655 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 140.05 | 141.35 | 1.30 | PHY | 1.25 | 96 | W233657 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 140.05 | 141.35 | 1.30 | PHY | 1.25 | 96 | W233658 | ☐ | R20-D36 | Core | | ☐ | ☑ | ☐ |
| 141.35 | 141.70 | 0.35 | PHY | 0.35 | 100 | W233659 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 141.70 | 142.95 | 1.25 | PHY | 1.09 | 87 | W233660 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 142.95 | 143.43 | 0.48 | PHY | 0.45 | 94 | W233661 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 143.43 | 143.94 | 0.51 | PHY | 0.51 | 100 | W233662 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 143.43 | 143.94 | 0.51 | PHY | 0.51 | 100 | W233663 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☑ |
| 143.94 | 144.47 | 0.53 | PHY | 0.53 | 100 | W233664 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 144.47 | 145.91 | 1.44 | PHY | 1.44 | 100 | W233665 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 145.91 | 146.26 | 0.35 | PHY | 0.35 | 100 | W233666 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 146.26 | 146.72 | 0.46 | PHY | 0.44 | 96 | W233667 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 146.72 | 147.52 | 0.80 | PHY | 0.70 | 88 | W233668 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 147.52 | 147.89 | 0.37 | PHY | 0.35 | 95 | W233669 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 147.89 | 148.92 | 1.03 | PHY | 0.87 | 84 | W233670 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 148.92 | 149.31 | 0.39 | PHY | 0.35 | 90 | W233671 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 149.31 | 149.65 | 0.34 | PHY | 0.34 | 100 | W233672 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 149.65 | 150.45 | 0.80 | PHY | 0.80 | 100 | W233674 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 150.45 | 150.85 | 0.40 | PHY | 0.40 | 100 | W233675 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 150.85 | 151.57 | 0.72 | PHY | 0.72 | 100 | W233676 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 151.57 | 151.96 | 0.39 | PHY | 0.35 | 90 | W233677 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 151.96 | 152.27 | 0.31 | PHY | 0.31 | 100 | W233678 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 152.27 | 152.73 | 0.46 | PHY | 0.46 | 100 | W233679 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 152.73 | 153.15 | 0.42 | PHY | 0.39 | 93 | W233680 | ☐ | R20-D36 | Core | | ☐ | ☐ | ☐ |
| 153.15 | 153.61 | 0.46 | PHY | 0.46 | 100 | W233681 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 153.61 | 154.87 | 1.26 | PHY | 1.21 | 96 | W233682 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 154.87 | 155.55 | 0.68 | PHY | 0.67 | 99 | W233683 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 155.55 | 156.09 | 0.54 | PHY | 0.44 | 81 | W233684 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 156.09 | 156.66 | 0.57 | PHY | 0.48 | 84 | W233685 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 156.66 | 157.27 | 0.61 | PHY | 0.59 | 97 | W233686 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 157.27 | 158.19 | 0.92 | PHY | 0.90 | 98 | W233687 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 158.19 | 161.23 | 3.04 | PHY | 3.04 | 100 | W233689 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 161.23 | 164.28 | 3.05 | PHY | 3.04 | 100 | W233690 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 164.28 | 165.39 | 1.11 | PHY | 1.11 | 100 | W233691 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 165.39 | 166.06 | 0.67 | PHY | 0.26 | 39 | W233692 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 165.39 | 166.06 | 0.67 | PHY | 0.26 | 39 | W233693 | ☐ | R20-D37 | Core | | ☐ | ☑ | ☐ |
| 166.06 | 166.29 | 0.23 | PHY | 0.23 | 100 | W233694 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 166.29 | 167.33 | 1.04 | PHY | 0.97 | 93 | W233695 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 167.33 | 168.40 | 1.07 | PHY | 1.07 | 100 | W233696 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 168.40 | 169.19 | 0.79 | PHY | 0.75 | 95 | W233697 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 169.19 | 170.38 | 1.19 | PHY | 1.13 | 95 | W233698 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 170.38 | 171.59 | 1.21 | PHY | 1.18 | 98 | W233699 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 171.59 | 171.90 | 0.31 | PHY | 0.31 | 100 | W233700 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 171.90 | 173.43 | 1.53 | PHY | 1.43 | 93 | W233702 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 173.43 | 175.51 | 2.08 | PHY | 1.91 | 92 | W233703 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 175.51 | 176.47 | 0.96 | PHY | 0.96 | 100 | W233704 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 176.47 | 177.31 | 0.84 | PHY | 0.79 | 94 | W233705 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 177.31 | 178.00 | 0.69 | PHY | 0.69 | 100 | W233706 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 178.00 | 178.75 | 0.75 | PHY | 0.75 | 100 | W233707 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 178.75 | 179.16 | 0.41 | PHY | 0.40 | 98 | W233708 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 179.16 | 181.00 | 1.84 | PHY | 1.82 | 99 | W233709 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 179.16 | 181.00 | 1.84 | PHY | 1.82 | 99 | W233710 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☑ |
| 181.00 | 182.57 | 1.57 | PHY | 1.57 | 100 | W233711 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 182.57 | 184.09 | 1.52 | PHY | 1.52 | 100 | W233712 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 184.09 | 187.14 | 3.05 | PHY | 2.93 | 96 | W233713 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 187.14 | 189.38 | 2.24 | PHY | 2.24 | 100 | W233714 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 189.38 | 190.19 | 0.81 | PHY | 0.81 | 100 | W233716 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 190.19 | 190.83 | 0.64 | PHY, PHY | 0.55 | 86 | W233717 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 190.83 | 191.29 | 0.46 | PHY | 0.44 | 96 | W233718 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 191.29 | 191.71 | 0.42 | PHY | 0.42 | 100 | W233719 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 191.71 | 192.23 | 0.52 | PHY | 0.51 | 98 | W233720 | ☐ | R20-D37 | Core | | ☐ | ☐ | ☐ |
| 192.23 | 192.67 | 0.44 | PHY | 0.43 | 98 | W233721 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 192.67 | 193.04 | 0.37 | PHY | 0.30 | 81 | W233722 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 193.04 | 194.05 | 1.01 | PHY | 1.01 | 100 | W233723 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 194.05 | 194.33 | 0.28 | PHY | 0.28 | 100 | W233724 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 194.33 | 195.72 | 1.39 | PHY | 1.39 | 100 | W233725 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 194.33 | 195.72 | 1.39 | PHY | 1.39 | 100 | W233726 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☑ |
| 195.72 | 197.23 | 1.51 | PHY | 1.51 | 100 | W233727 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 197.23 | 197.81 | 0.58 | PHY | 0.58 | 100 | W233728 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 197.81 | 198.91 | 1.10 | PHY | 1.00 | 91 | W233729 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 198.91 | 199.15 | 0.24 | PHY | 0.24 | 100 | W233730 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 199.15 | 200.86 | 1.71 | PHY | 1.71 | 100 | W233732 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 200.86 | 202.38 | 1.52 | PHY | 1.42 | 93 | W233733 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 202.38 | 203.91 | 1.53 | PHY | 1.52 | 99 | W233734 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 203.91 | 205.43 | 1.52 | PHY | 1.42 | 93 | W233735 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 205.43 | 206.95 | 1.52 | PHY | 1.48 | 97 | W233736 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 206.95 | 207.60 | 0.65 | PHY | 0.65 | 100 | W233737 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 207.60 | 208.00 | 0.40 | PHY | 0.40 | 100 | W233739 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 208.00 | 210.00 | 2.00 | PHY | 2.00 | 100 | W233740 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 210.00 | 212.83 | 2.83 | PHY | 2.83 | 100 | W233741 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 212.83 | 213.08 | 0.25 | PHY | 0.25 | 100 | W233742 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 213.08 | 214.57 | 1.49 | PHY | 1.49 | 100 | W233743 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 214.57 | 214.74 | 0.17 | PHY | 0.17 | 100 | W233744 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 214.74 | 215.68 | 0.94 | PHY | 0.94 | 100 | W233745 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 214.74 | 215.68 | 0.94 | PHY | 0.94 | 100 | W233746 | ☐ | R20-D39 | Core | | ☐ | ☑ | ☐ |
| 215.68 | 216.10 | 0.42 | PHY | 0.42 | 100 | W233747 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 216.10 | 217.62 | 1.52 | PHY | 1.52 | 100 | W233748 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 217.62 | 218.63 | 1.01 | PHY | 1.01 | 100 | W233749 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 218.63 | 219.15 | 0.52 | PHY | 0.52 | 100 | W233750 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 219.15 | 220.67 | 1.52 | PHY | 1.52 | 100 | W233751 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 220.67 | 222.19 | 1.52 | PHY | 1.50 | 99 | W233752 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 222.19 | 223.81 | 1.62 | PHY | 1.62 | 100 | W233754 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 223.81 | 224.43 | 0.62 | PHY | 0.61 | 98 | W233755 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 224.43 | 225.50 | 1.07 | PHY | 1.06 | 99 | W233756 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 225.50 | 226.29 | 0.79 | PHY | 0.75 | 95 | W233757 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 226.29 | 228.04 | 1.75 | PHY | 1.70 | 97 | W233758 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 228.04 | 228.47 | 0.43 | PHY | 0.43 | 100 | W233759 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 228.47 | 229.00 | 0.53 | PHY | 0.53 | 100 | W233760 | ☐ | R20-D39 | Core | | ☐ | ☐ | ☐ |
| 229.00 | 229.40 | 0.40 | PHY | 0.40 | 100 | W233761 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 229.40 | 230.44 | 1.04 | PHY | 1.04 | 100 | W233762 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 230.44 | 230.74 | 0.30 | PHY | 0.30 | 100 | W233763 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 230.74 | 231.28 | 0.54 | PHY | 0.54 | 100 | W233764 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 231.28 | 231.34 | 0.06 | PHY | 0.06 | 100 | W233765 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 231.34 | 232.00 | 0.66 | PHY | 0.56 | 85 | W233766 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 232.00 | 232.33 | 0.33 | PHY | 0.33 | 100 | W233768 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 232.33 | 233.82 | 1.49 | PHY | 1.49 | 100 | W233769 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 233.82 | 234.13 | 0.31 | PHY | 0.31 | 100 | W233770 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 234.13 | 234.61 | 0.48 | PHY | 0.48 | 100 | W233771 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 234.61 | 234.82 | 0.21 | PHY | 0.21 | 100 | W233772 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 234.82 | 235.21 | 0.39 | PHY | 0.39 | 100 | W233774 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 235.21 | 235.91 | 0.70 | PHY | 0.69 | 99 | W233775 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 235.91 | 236.40 | 0.49 | PHY | 0.49 | 100 | W233776 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 236.40 | 236.61 | 0.21 | QV, PHY | 0.21 | 100 | W233777 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 236.61 | 237.45 | 0.84 | PHY | 0.84 | 100 | W233778 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 237.45 | 238.32 | 0.87 | PHY | 0.87 | 100 | W233780 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 238.32 | 239.47 | 1.15 | PHY | 1.15 | 100 | W233781 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 239.47 | 239.70 | 0.23 | PHY | 0.23 | 100 | W233782 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 239.70 | 242.01 | 2.31 | PHY | 2.09 | 90 | W233783 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 242.01 | 243.00 | 0.99 | PHY | 0.90 | 91 | W233784 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 243.00 | 243.53 | 0.53 | PHY | 0.53 | 100 | W233785 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 243.53 | 244.08 | 0.55 | PHY | 0.55 | 100 | W233786 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 244.08 | 244.38 | 0.30 | PHY, PHY | 0.30 | 100 | W233787 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 244.38 | 245.05 | 0.67 | PHY | 0.67 | 100 | W233788 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 245.05 | 245.58 | 0.53 | QV, PHY | 0.53 | 100 | W233789 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 245.58 | 246.20 | 0.62 | PHY | 0.62 | 100 | W233790 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 246.20 | 247.81 | 1.61 | PHY | 1.61 | 100 | W233791 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 247.81 | 249.00 | 1.19 | PHY | 1.19 | 100 | W233792 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 247.81 | 249.00 | 1.19 | PHY | 1.19 | 100 | W233793 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☑ |
| 249.00 | 250.00 | 1.00 | PHY | 1.00 | 100 | W233794 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 250.00 | 250.36 | 0.36 | PHY | 0.36 | 100 | W233795 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 250.36 | 250.70 | 0.34 | PHY | 0.34 | 100 | W233796 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 250.70 | 252.00 | 1.30 | BAS, PHY | 1.30 | 100 | W233797 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 252.00 | 252.86 | 0.86 | BAS | 0.86 | 100 | W233798 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 252.00 | 252.86 | 0.86 | BAS | 0.86 | 100 | W233799 | ☐ | R20-D41 | Core | | ☐ | ☑ | ☐ |
| 252.86 | 253.16 | 0.30 | BAS | 0.30 | 100 | W233800 | ☐ | R20-D41 | Core | | ☐ | ☐ | ☐ |
| 253.16 | 253.69 | 0.53 | BAS | 0.47 | 89 | W233801 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 253.69 | 254.94 | 1.25 | BAS | 1.25 | 100 | W233802 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 254.94 | 255.88 | 0.94 | PHY | 0.94 | 100 | W233803 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 255.88 | 256.85 | 0.97 | PHY | 0.97 | 100 | W233804 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 256.85 | 257.69 | 0.84 | PHY | 0.76 | 90 | W233805 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 257.69 | 258.77 | 1.08 | PHY | 1.08 | 100 | W233807 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 258.77 | 261.09 | 2.32 | PHY | 2.32 | 100 | W233808 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 261.09 | 262.26 | 1.17 | PHY | 1.17 | 100 | W233809 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 262.26 | 262.61 | 0.35 | PHY | 0.35 | 100 | W233810 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 262.61 | 263.34 | 0.73 | PHY | 0.73 | 100 | W233811 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 263.34 | 264.30 | 0.96 | PHY | 0.96 | 100 | W233812 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 263.34 | 264.30 | 0.96 | PHY | 0.96 | 100 | W233813 | ☐ | R20-D42 | Core | | ☐ | ☑ | ☐ |
| 264.30 | 264.87 | 0.57 | PHY | 0.57 | 100 | W233814 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 264.87 | 267.08 | 2.21 | PHY | 2.21 | 100 | W233815 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 267.08 | 267.91 | 0.83 | PHY | 0.83 | 100 | W233816 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 267.91 | 269.00 | 1.09 | PHY | 1.09 | 100 | W233817 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 269.00 | 269.44 | 0.44 | PHY | 0.44 | 100 | W233818 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 269.44 | 269.80 | 0.36 | PHY | 0.36 | 100 | W233820 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 269.80 | 270.96 | 1.16 | PHY | 1.16 | 100 | W233821 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 270.96 | 271.82 | 0.86 | PHY | 0.86 | 100 | W233822 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 271.82 | 272.22 | 0.40 | PHY | 0.40 | 100 | W233823 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 272.22 | 272.93 | 0.71 | PHY | 0.71 | 100 | W233824 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 272.93 | 274.01 | 1.08 | PHY | 1.08 | 100 | W233825 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 272.93 | 274.01 | 1.08 | PHY | 1.08 | 100 | W233826 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☑ |
| 274.01 | 275.10 | 1.09 | PHY | 1.09 | 100 | W233827 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 275.10 | 276.09 | 0.99 | PHY | 0.99 | 100 | W233828 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 276.09 | 276.85 | 0.76 | PHY | 0.76 | 100 | W233829 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 276.85 | 276.92 | 0.07 | PHY | 0.07 | 100 | W233830 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 276.92 | 277.41 | 0.49 | PHY | 0.49 | 100 | W233832 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 277.41 | 278.00 | 0.59 | PHY | 0.59 | 100 | W233833 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 278.00 | 278.58 | 0.58 | PHY | 0.58 | 100 | W233834 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 278.58 | 279.27 | 0.69 | PHY | 0.69 | 100 | W233835 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 279.27 | 280.27 | 1.00 | PHY | 1.00 | 100 | W233836 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 280.27 | 281.22 | 0.95 | PHY | 0.86 | 91 | W233837 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 281.22 | 281.34 | 0.12 | PHY | 0.12 | 100 | W233838 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 281.34 | 282.32 | 0.98 | PHY | 0.98 | 100 | W233839 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 282.32 | 282.57 | 0.25 | PHY | 0.25 | 100 | W233840 | ☐ | R20-D42 | Core | | ☐ | ☐ | ☐ |
| 282.57 | 283.15 | 0.58 | PHY | 0.58 | 100 | W233841 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 283.15 | 284.00 | 0.85 | PHY | 0.85 | 100 | W233842 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 284.00 | 284.68 | 0.68 | PHY | 0.68 | 100 | W233843 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 284.68 | 285.38 | 0.70 | PHY | 0.70 | 100 | W233844 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 285.38 | 285.89 | 0.51 | PHY | 0.51 | 100 | W233845 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 285.89 | 286.29 | 0.40 | PHY | 0.40 | 100 | W233846 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 286.29 | 287.12 | 0.83 | PHY | 0.83 | 100 | W233847 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 287.12 | 289.40 | 2.28 | PHY | 2.14 | 94 | W233848 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 289.40 | 289.67 | 0.27 | PHY | 0.27 | 100 | W233849 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 289.67 | 290.63 | 0.96 | PHY | 0.96 | 100 | W233851 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 290.63 | 291.49 | 0.86 | PHY | 0.74 | 86 | W233853 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 291.49 | 293.57 | 2.08 | PHY | 1.33 | 64 | W233854 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 293.57 | 294.98 | 1.41 | PHY | 1.36 | 96 | W233855 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 294.98 | 295.63 | 0.65 | PHY | 0.65 | 100 | W233856 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 295.63 | 297.50 | 1.87 | PHY | 1.72 | 92 | W233857 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 297.50 | 298.26 | 0.76 | PHY | 0.51 | 67 | W233858 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 298.26 | 299.55 | 1.29 | PHY | 0.83 | 64 | W233859 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 299.55 | 300.96 | 1.41 | PHY | 1.25 | 89 | W233860 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 299.55 | 300.96 | 1.41 | PHY | 1.25 | 89 | W233861 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☑ |
| 300.96 | 301.08 | 0.12 | PHY | 0.12 | 100 | W233862 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 301.08 | 301.44 | 0.36 | PHY | 0.36 | 100 | W233863 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 301.44 | 301.84 | 0.40 | PHY | 0.40 | 100 | W233864 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 301.84 | 302.97 | 1.13 | PHY | 1.13 | 100 | W233865 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 301.84 | 302.97 | 1.13 | PHY | 1.13 | 100 | W233866 | ☐ | R20-D44 | Core | | ☐ | ☑ | ☐ |
| 302.97 | 304.49 | 1.52 | PHY | 1.40 | 92 | W233867 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 304.49 | 305.05 | 0.56 | PHY | 0.56 | 100 | W233868 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 305.05 | 306.01 | 0.96 | PHY | 0.96 | 100 | W233869 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |

# Sample Results



Archer,Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D41 | W233767 | 0.00 | 0.00 | 1.39 | 71 | 213 | 1425 | 2680.0 | 2 | 10.50 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D39 | W233753 | 0.00 | 0.00 | 1.49 | 62 | 220 | 1530 | 2790.0 | 2 | 12.00 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D32 | W233599 | 0.00 | 0.00 | 0.57 | 2 | 52 | 127 | 216.0 | 1 | 10.50 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D28 | W233493 | 0.00 | 0.00 | 0.01 | 0 | 4 | 1 | 4.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D36 | W233656 | 0.00 | 0.00 | 5.19 | 14 | 2060 | 783 | 2010.0 | 4 | 6.90 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D32 | W233566 | 0.00 | 0.00 | 1.32 | 69 | 208 | 1460 | 2680.0 | 2 | 10.20 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D30 | W233534 | 0.00 | 0.00 | 0.68 | 2 | 46 | 134 | 216.0 | 1 | 14.50 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D28 | W233487 | 0.00 | 0.00 | 1.24 | 59 | 211 | 1420 | 2640.0 | 2 | 11.70 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D36 | W233673 | 0.00 | 0.00 | 3.52 | 7 | 193 | 37 | 151.0 | 2 | 2.10 | ☐ | ☐ | ☐ | ☑ GS-3Q | |
| R20-D44 | W233852 | 0.00 | 0.00 | 0.65 | 2 | 43 | 127 | 214.0 | 1 | 10.50 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D28 | W233507 | 0.00 | 0.00 | 0.65 | 1 | 43 | 119 | 202.0 | 1 | 10.10 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D41 | W233773 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D34 | W233627 | 0.00 | 0.00 | 1.19 | 69 | 217 | 1505 | 2730.0 | 2 | 10.90 | ☐ | ☐ | ☐ | ☑ GS-1X | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D42 | W233819 | 0.00 | 0.00 | 3.10 | 7 | 186 | 32 | 160.0 | 2 | 2.00 | ☐ | ☐ | ☐ | ☑ GS-3Q | |
| R20-D32 | W233573 | 0.00 | 0.00 | 0.01 | 0 | 2 | 0 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D36 | W233647 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 4.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D41 | W233779 | 0.00 | 0.00 | 5.14 | 11 | 2160 | 794 | 2140.0 | 4 | 7.40 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D39 | W233738 | 0.00 | 0.00 | 0.67 | 2 | 45 | 127 | 209.0 | 1 | 10.60 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D37 | W233701 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 6.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D39 | W233731 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 4.0 | 0 | 0.20 | ☐ | ☐ | ☑ | ☐ | |
| R20-D42 | W233831 | 0.00 | 0.00 | 0.01 | 0 | 4 | 0 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D30 | W233541 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 4.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D37 | W233715 | 0.00 | 0.00 | 0.63 | 3 | 45 | 129 | 217.0 | 1 | 10.30 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D30 | W233559 | 0.00 | 0.00 | 1.41 | 75 | 209 | 1455 | 2670.0 | 2 | 11.20 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D44 | W233850 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D34 | W233632 | 0.00 | 0.00 | 0.01 | 0 | 4 | 1 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D37 | W233688 | 0.00 | 0.00 | 1.31 | 62 | 210 | 1405 | 2690.0 | 2 | 12.50 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D34 | W233604 | 0.00 | 0.00 | 0.64 | 1 | 45 | 123 | 212.0 | 1 | 9.70 | ☐ | ☐ | ☐ | ☑ GS-P5E | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D42 | W233806 | 0.00 | 0.00 | 1.21 | 69 | 225 | 1535 | 2910.0 | 2 | 14.40 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D25 | W233465 | 4.30 | 5.79 | 0.21 | 0 | 163 | 3 | 20.0 | 4 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233466 | 5.79 | 6.33 | 0.05 | 0 | 193 | 3 | 20.0 | 4 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233467 | 6.33 | 6.50 | 0.19 | 0 | 171 | 3 | 27.0 | 3 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233468 | 6.50 | 7.60 | 0.38 | 0 | 205 | 3 | 37.0 | 3 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233469 | 7.60 | 8.84 | 0.05 | 0 | 110 | 2 | 33.0 | 2 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233470 | 8.84 | 10.36 | 0.02 | 0 | 97 | 2 | 33.0 | 2 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233471 | 10.36 | 11.88 | 0.01 | 0 | 81 | 1 | 28.0 | 3 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233472 | 11.88 | 12.76 | 0.02 | 0 | 97 | 2 | 26.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233473 | 12.76 | 13.56 | 0.01 | 0 | 64 | 1 | 20.0 | 3 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233474 | 13.56 | 14.14 | 0.03 | 0 | 320 | 2 | 30.0 | 4 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233475 | 14.14 | 14.70 | 0.01 | 0 | 166 | 2 | 20.0 | 3 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233476 | 14.70 | 16.45 | 0.02 | 0 | 56 | 2 | 13.0 | 2 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233477 | 16.45 | 17.38 | 0.01 | 0 | 93 | 3 | 17.0 | 3 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233478 | 17.38 | 17.53 | 0.04 | 0 | 44 | 20 | 17.0 | 1 | 2.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D25 | W233479 | 17.53 | 18.32 | 0.01 | 0 | 48 | 3 | 10.0 | 3 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D25 | W233480 | 18.32 | 19.50 | 0.04 | 0 | 53 | 6 | 12.0 | 3 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233481 | 19.50 | 21.03 | 0.08 | 0 | 108 | 4 | 19.0 | 3 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233482 | 21.03 | 21.89 | 0.12 | 0 | 173 | 5 | 18.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233483 | 21.89 | 22.27 | 0.04 | 0 | 135 | 3 | 14.0 | 4 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233484 | 22.27 | 22.55 | 0.22 | 1 | 166 | 11 | 49.0 | 3 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233485 | 22.55 | 23.07 | 0.02 | 0 | 312 | 5 | 20.0 | 3 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233486 | 23.07 | 24.07 | 0.07 | 0 | 302 | 6 | 19.0 | 6 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233488 | 24.07 | 25.60 | 0.03 | 0 | 274 | 5 | 20.0 | 3 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233489 | 25.60 | 27.12 | 0.09 | 0 | 171 | 5 | 17.0 | 3 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233490 | 27.12 | 27.83 | 0.18 | 0 | 157 | 5 | 25.0 | 3 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233491 | 27.83 | 28.50 | 0.13 | 0 | 125 | 6 | 17.0 | 6 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233492 | 28.50 | 28.65 | 0.12 | 0 | 340 | 5 | 16.0 | 1 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233494 | 28.65 | 29.25 | 0.12 | 0 | 150 | 6 | 18.0 | 2 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233495 | 29.25 | 30.17 | 0.06 | 0 | 97 | 8 | 20.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D28 | W233496 | 30.17 | 31.23 | 0.06 | 0 | 113 | 6 | 13.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233497 | 31.23 | 31.69 | 0.03 | 0 | 50 | 5 | 14.0 | 2 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| | | 31.69 | 33.72 | | | | | | | | ☐ | ☐ | ☐ | ☐ | No recovery |
| R20-D28 | W233498 | 33.72 | 34.14 | 0.08 | 0 | 83 | 7 | 11.0 | 3 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233499 | 34.14 | 35.00 | 0.07 | 0 | 63 | 6 | 11.0 | 3 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233500 | 35.00 | 35.47 | 0.10 | 0 | 59 | 7 | 12.0 | 3 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233501 | 35.47 | 36.27 | 0.04 | 0 | 68 | 5 | 11.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233502 | 35.47 | 36.27 | 0.03 | 0 | 59 | 5 | 11.0 | 3 | 1.90 | ☑ | ☐ | ☐ | ☐ | |
| R20-D28 | W233503 | 36.27 | 37.52 | 0.02 | 0 | 89 | 5 | 12.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233504 | 37.52 | 37.79 | 0.01 | 0 | 76 | 5 | 31.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233505 | 37.79 | 38.20 | 0.01 | 0 | 59 | 6 | 16.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233506 | 38.20 | 39.12 | 0.01 | 0 | 56 | 5 | 10.0 | 5 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233508 | 39.12 | 40.32 | 0.07 | 0 | 46 | 5 | 11.0 | 7 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233509 | 40.32 | 40.57 | 0.04 | 0 | 25 | 6 | 17.0 | 11 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233510 | 40.57 | 40.84 | 0.61 | 1 | 336 | 133 | 63.0 | 2 | 2.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D28 | W233511 | 40.84 | 41.38 | 0.03 | 0 | 28 | 14 | 31.0 | 10 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233512 | 41.38 | 41.53 | 0.07 | 0 | 85 | 18 | 42.0 | 8 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233514 | 41.53 | 42.10 | 0.02 | 0 | 65 | 17 | 32.0 | 8 | 3.10 | ☐ | ☑ | ☐ | ☐ | |
| R20-D28 | W233513 | 41.53 | 42.10 | 0.06 | 0 | 67 | 16 | 33.0 | 8 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233515 | 42.10 | 42.20 | 0.04 | 0 | 223 | 21 | 82.0 | 7 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233516 | 42.20 | 43.42 | 0.03 | 0 | 34 | 9 | 22.0 | 6 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233517 | 43.42 | 43.59 | 0.07 | 0 | 64 | 6 | 118.0 | 2 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233518 | 43.59 | 44.00 | 0.08 | 0 | 45 | 9 | 69.0 | 9 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233519 | 44.00 | 44.17 | 0.14 | 0 | 68 | 8 | 20.0 | 2 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D28 | W233520 | 44.17 | 45.41 | 0.14 | 0 | 46 | 11 | 21.0 | 7 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233521 | 45.41 | 46.93 | 0.09 | 0 | 43 | 9 | 15.0 | 8 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233522 | 46.93 | 48.46 | 0.09 | 0 | 39 | 11 | 18.0 | 6 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233523 | 48.46 | 49.98 | 0.11 | 0 | 32 | 6 | 14.0 | 5 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233524 | 49.98 | 51.13 | 0.05 | 0 | 26 | 5 | 14.0 | 5 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233525 | 51.13 | 51.51 | 0.05 | 0 | 31 | 43 | 11.0 | 5 | 2.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D30 | W233526 | 51.51 | 52.05 | 0.06 | 0 | 24 | 7 | 13.0 | 5 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233528 | 52.05 | 52.45 | 0.10 | 0 | 22 | 9 | 18.0 | 6 | 3.20 | ☐ | ☑ | ☐ | ☐ | |
| R20-D30 | W233527 | 52.05 | 52.45 | 0.08 | 0 | 23 | 7 | 14.0 | 5 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233529 | 52.45 | 54.08 | 0.06 | 0 | 34 | 4 | 14.0 | 5 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233530 | 54.08 | 54.14 | 0.12 | 0 | 48 | 7 | 44.0 | 3 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233531 | 54.14 | 54.55 | 0.08 | 0 | 29 | 4 | 10.0 | 6 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233532 | 54.55 | 54.81 | 0.02 | 0 | 38 | 4 | 18.0 | 7 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233533 | 54.81 | 56.86 | 0.06 | 0 | 33 | 6 | 16.0 | 5 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233535 | 56.86 | 57.60 | 0.07 | 0 | 35 | 3 | 15.0 | 5 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233537 | 57.60 | 58.59 | 0.04 | 0 | 40 | 3 | 15.0 | 5 | 3.20 | ☑ | ☐ | ☐ | ☐ | |
| R20-D30 | W233536 | 57.60 | 58.59 | 0.06 | 0 | 39 | 2 | 16.0 | 5 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233538 | 58.59 | 58.72 | 0.03 | 0 | 118 | 6 | 20.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233539 | 58.72 | 59.24 | 0.06 | 0 | 63 | 3 | 39.0 | 4 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233540 | 59.24 | 59.31 | 0.08 | 0 | 189 | 4 | 23.0 | 7 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233542 | 59.31 | 60.65 | 0.04 | 0 | 104 | 3 | 17.0 | 7 | 3.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D30 | W233543 | 60.65 | 62.17 | 0.03 | 0 | 92 | 3 | 20.0 | 7 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233544 | 62.17 | 62.55 | 0.02 | 0 | 67 | 2 | 14.0 | 10 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233545 | 62.55 | 63.70 | 0.02 | 0 | 62 | 2 | 16.0 | 8 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233546 | 63.70 | 63.97 | 0.03 | 0 | 90 | 4 | 18.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233547 | 63.97 | 64.48 | 0.09 | 0 | 53 | 2 | 18.0 | 8 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233548 | 64.48 | 64.70 | 0.01 | 0 | 76 | 2 | 15.0 | 8 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233549 | 64.70 | 64.74 | 0.01 | 0 | 55 | 1 | 9.0 | 9 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233550 | 64.74 | 65.22 | 0.01 | 0 | 38 | 2 | 14.0 | 19 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233551 | 65.22 | 65.67 | 0.01 | 0 | 14 | 2 | 21.0 | 14 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233552 | 65.67 | 66.19 | 0.03 | 0 | 24 | 2 | 18.0 | 12 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233553 | 66.19 | 66.35 | 0.04 | 0 | 47 | 3 | 68.0 | 19 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233554 | 66.35 | 66.75 | 0.12 | 0 | 24 | 3 | 19.0 | 14 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233555 | 66.75 | 68.27 | 0.02 | 0 | 18 | 2 | 36.0 | 14 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233556 | 68.27 | 69.79 | 0.01 | 0 | 29 | 6 | 48.0 | 11 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233557 | 69.79 | 70.30 | 0.01 | 0 | 16 | 2 | 50.0 | 12 | 2.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D30 | W233558 | 70.30 | 71.80 | 0.02 | 0 | 30 | 3 | 43.0 | 12 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D30 | W233560 | 71.80 | 72.32 | 0.01 | 0 | 21 | 2 | 49.0 | 11 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233561 | 72.32 | 72.45 | 0.01 | 0 | 182 | 2 | 16.0 | 4 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233562 | 72.45 | 73.45 | 0.02 | 0 | 28 | 2 | 28.0 | 13 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233563 | 73.45 | 74.37 | 0.02 | 0 | 32 | 2 | 23.0 | 14 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233564 | 74.37 | 75.47 | 0.01 | 0 | 30 | 1 | 15.0 | 12 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233565 | 75.47 | 76.97 | 0.02 | 0 | 47 | 6 | 14.0 | 13 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233567 | 76.97 | 77.31 | 0.07 | 0 | 32 | 3 | 16.0 | 21 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233568 | 77.31 | 78.09 | 0.03 | 0 | 28 | 4 | 12.0 | 25 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233569 | 78.09 | 78.94 | 0.16 | 0 | 51 | 2 | 10.0 | 28 | 7.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233570 | 78.94 | 79.08 | 0.10 | 0 | 44 | 2 | 8.0 | 12 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233571 | 79.08 | 80.63 | 0.10 | 0 | 23 | 1 | 14.0 | 24 | 9.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233572 | 80.63 | 80.78 | 0.06 | 0 | 51 | 2 | 6.0 | 17 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233574 | 80.78 | 81.99 | 0.10 | 0 | 19 | 1 | 18.0 | 22 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233576 | 81.99 | 82.55 | 0.06 | 0 | 19 | 2 | 8.0 | 23 | 6.30 | ☑ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D32 | W233575 | 81.99 | 82.55 | 0.06 | 0 | 19 | 1 | 8.0 | 22 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233577 | 82.55 | 82.88 | 0.65 | 0 | 28 | 3 | 11.0 | 17 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233578 | 82.88 | 83.20 | 0.02 | 0 | 38 | 2 | 8.0 | 28 | 7.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233579 | 83.20 | 83.38 | 0.04 | 0 | 50 | 3 | 13.0 | 25 | 5.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233580 | 83.38 | 83.66 | 0.01 | 0 | 15 | 2 | 8.0 | 32 | 7.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233581 | 83.66 | 84.12 | 0.18 | 0 | 159 | 8 | 13.0 | 12 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233582 | 84.12 | 84.46 | 0.04 | 0 | 15 | 3 | 13.0 | 32 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233583 | 84.46 | 84.71 | 0.05 | 0 | 14 | 2 | 13.0 | 33 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233584 | 84.71 | 85.00 | 0.02 | 0 | 13 | 2 | 14.0 | 32 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233585 | 85.00 | 85.70 | 0.16 | 0 | 41 | 5 | 29.0 | 25 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233586 | 85.70 | 86.08 | 0.02 | 0 | 7 | 2 | 8.0 | 16 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233587 | 86.08 | 88.09 | 0.20 | 0 | 32 | 5 | 9.0 | 13 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233588 | 86.08 | 88.09 | 0.17 | 0 | 25 | 4 | 8.0 | 11 | 2.70 | ☐ | ☑ | ☐ | ☐ | |
| R20-D32 | W233589 | 88.09 | 88.90 | 0.05 | 0 | 36 | 3 | 8.0 | 9 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233590 | 88.90 | 89.00 | 0.04 | 0 | 46 | 5 | 14.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D32 | W233591 | 89.00 | 89.61 | 0.03 | 0 | 32 | 4 | 9.0 | 9 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233592 | 89.61 | 91.14 | 0.06 | 0 | 46 | 4 | 9.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233593 | 91.14 | 92.66 | 0.02 | 0 | 39 | 3 | 12.0 | 6 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233594 | 92.66 | 94.18 | 0.01 | 0 | 39 | 3 | 12.0 | 6 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233595 | 94.18 | 95.71 | 0.02 | 0 | 51 | 3 | 13.0 | 7 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233596 | 95.71 | 97.23 | 0.02 | 0 | 51 | 3 | 13.0 | 8 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233597 | 97.23 | 98.76 | 0.03 | 1 | 79 | 2 | 11.0 | 6 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233598 | 98.76 | 100.28 | 0.04 | 0 | 66 | 2 | 11.0 | 5 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D32 | W233600 | 100.28 | 101.80 | 0.02 | 0 | 54 | 2 | 13.0 | 4 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233601 | 101.80 | 102.40 | 0.03 | 0 | 74 | 5 | 39.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233602 | 102.40 | 102.63 | 0.04 | 0 | 59 | 3 | 17.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233603 | 102.63 | 103.32 | 0.01 | 0 | 114 | 4 | 23.0 | 13 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233605 | 103.32 | 104.85 | 0.02 | 0 | 77 | 3 | 12.0 | 3 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233606 | 104.85 | 106.37 | 0.01 | 0 | 52 | 2 | 14.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233607 | 106.37 | 107.89 | 0.01 | 0 | 83 | 3 | 12.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D34 | W233608 | 107.89 | 109.42 | 0.01 | 0 | 60 | 2 | 13.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233609 | 107.89 | 109.42 | 0.01 | 0 | 64 | 2 | 12.0 | 4 | 1.20 | ☐ | ☑ | ☐ | ☐ | |
| R20-D34 | W233610 | 109.42 | 110.94 | 0.01 | 0 | 69 | 2 | 12.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233611 | 110.94 | 112.47 | 0.01 | 0 | 84 | 3 | 13.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233612 | 112.47 | 113.99 | 0.01 | 0 | 55 | 3 | 36.0 | 4 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233613 | 113.99 | 115.77 | 0.03 | 0 | 37 | 5 | 18.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233614 | 115.77 | 116.26 | 0.06 | 0 | 32 | 4 | 21.0 | 6 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233615 | 116.26 | 117.04 | 0.04 | 0 | 26 | 4 | 15.0 | 6 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233617 | 117.04 | 117.67 | 0.06 | 0 | 24 | 3 | 16.0 | 6 | 1.20 | ☑ | ☐ | ☐ | ☐ | |
| R20-D34 | W233616 | 117.04 | 117.67 | 0.05 | 0 | 24 | 3 | 15.0 | 6 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233618 | 117.67 | 118.15 | 0.02 | 0 | 24 | 3 | 21.0 | 7 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233619 | 118.15 | 120.09 | 0.06 | 0 | 28 | 3 | 14.0 | 7 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233620 | 120.09 | 121.61 | 0.07 | 0 | 28 | 3 | 13.0 | 9 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233621 | 121.61 | 121.96 | 0.12 | 0 | 33 | 3 | 15.0 | 9 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233622 | 121.96 | 123.13 | 0.07 | 0 | 32 | 3 | 15.0 | 9 | 1.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D34 | W233623 | 123.13 | 124.66 | 0.08 | 0 | 33 | 3 | 15.0 | 10 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233624 | 124.66 | 126.18 | 0.23 | 0 | 27 | 2 | 13.0 | 11 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233625 | 126.18 | 127.71 | 0.01 | 0 | 12 | 1 | 11.0 | 14 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233626 | 127.71 | 128.24 | 0.08 | 0 | 9 | 1 | 9.0 | 15 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233628 | 128.24 | 128.81 | 0.03 | 0 | 12 | 2 | 9.0 | 16 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233629 | 128.81 | 129.14 | 1.78 | 0 | 77 | 6 | 7.0 | 8 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233630 | 129.14 | 129.49 | 0.49 | 0 | 316 | 6 | 4.0 | 4 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233631 | 129.49 | 129.64 | 0.21 | 0 | 455 | 2 | 1.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233633 | 129.64 | 130.13 | 0.33 | 0 | 37 | 2 | 10.0 | 12 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233634 | 130.13 | 130.97 | 0.05 | 0 | 17 | 2 | 9.0 | 31 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233635 | 130.97 | 131.41 | 0.05 | 0 | 17 | 2 | 6.0 | 14 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233636 | 131.41 | 132.00 | 0.09 | 0 | 34 | 3 | 18.0 | 34 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233637 | 132.00 | 132.53 | 0.16 | 0 | 10 | 4 | 22.0 | 31 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233638 | 132.53 | 133.02 | 0.02 | 0 | 4 | 2 | 8.0 | 37 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D34 | W233639 | 133.02 | 133.42 | 0.35 | 0 | 4 | 3 | 21.0 | 25 | 5.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D34 | W233640 | 133.42 | 134.12 | 0.10 | 0 | 7 | 3 | 12.0 | 27 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233641 | 134.12 | 134.53 | 0.02 | 0 | 6 | 2 | 22.0 | 12 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233642 | 134.53 | 135.05 | 0.10 | 0 | 2 | 2 | 8.0 | 25 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233643 | 135.05 | 135.65 | 0.01 | 0 | 3 | 2 | 12.0 | 26 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233644 | 135.65 | 136.32 | 5.83 | 1 | 43 | 5 | 5.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233645 | 136.32 | 136.70 | 2.81 | 0 | 11 | 3 | 7.0 | 8 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233646 | 136.70 | 137.15 | 1.11 | 1 | 47 | 5 | 12.0 | 5 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233648 | 137.15 | 137.52 | 2.77 | 1 | 45 | 10 | 9.0 | 7 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233649 | 137.52 | 138.00 | 0.60 | 0 | 25 | 4 | 8.0 | 8 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233650 | 138.00 | 138.47 | 0.07 | 0 | 9 | 2 | 14.0 | 17 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233651 | 138.47 | 139.00 | 0.01 | 0 | 5 | 2 | 9.0 | 27 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233652 | 139.00 | 139.30 | 0.17 | 0 | 23 | 2 | 8.0 | 25 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233653 | 139.30 | 139.58 | 1.35 | 0 | 18 | 3 | 9.0 | 12 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233654 | 139.58 | 139.90 | 0.29 | 0 | 12 | 4 | 16.0 | 22 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233655 | 139.90 | 140.05 | 0.91 | 0 | 5 | 3 | 12.0 | 7 | 2.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D36 | W233658 | 140.05 | 141.35 | 0.05 | 0 | 17 | 2 | 69.0 | 13 | 3.50 | ☑ | ☐ | ☐ | ☐ | |
| R20-D36 | W233657 | 140.05 | 141.35 | 0.03 | 0 | 13 | 3 | 142.0 | 13 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233659 | 141.35 | 141.70 | 0.02 | 0 | 4 | 2 | 8.0 | 21 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233660 | 141.70 | 142.95 | 0.04 | 0 | 8 | 2 | 13.0 | 26 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233661 | 142.95 | 143.43 | 0.10 | 0 | 4 | 3 | 14.0 | 16 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233662 | 143.43 | 143.94 | 0.04 | 0 | 9 | 3 | 11.0 | 27 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233663 | 143.43 | 143.94 | 0.05 | 0 | 9 | 3 | 10.0 | 24 | 5.40 | ☐ | ☑ | ☐ | ☐ | |
| R20-D36 | W233664 | 143.94 | 144.47 | 0.04 | 0 | 5 | 2 | 7.0 | 29 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233665 | 144.47 | 145.91 | 0.04 | 0 | 13 | 2 | 6.0 | 22 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233666 | 145.91 | 146.26 | 0.61 | 0 | 25 | 2 | 9.0 | 21 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233667 | 146.26 | 146.72 | 1.18 | 0 | 81 | 3 | 9.0 | 20 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233668 | 146.72 | 147.52 | 0.37 | 0 | 74 | 4 | 11.0 | 22 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233669 | 147.52 | 147.89 | 0.15 | 0 | 45 | 2 | 9.0 | 24 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233670 | 147.89 | 148.92 | 0.11 | 0 | 51 | 3 | 7.0 | 23 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233671 | 148.92 | 149.31 | 0.13 | 0 | 89 | 2 | 10.0 | 12 | 2.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D36 | W233672 | 149.31 | 149.65 | 0.12 | 0 | 307 | 6 | 7.0 | 21 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233674 | 149.65 | 150.45 | 0.06 | 0 | 59 | 3 | 8.0 | 21 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233675 | 150.45 | 150.85 | 0.59 | 0 | 172 | 3 | 11.0 | 19 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233676 | 150.85 | 151.57 | 0.12 | 0 | 11 | 2 | 7.0 | 31 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233677 | 151.57 | 151.96 | 0.07 | 0 | 2 | 1 | 7.0 | 30 | 6.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233678 | 151.96 | 152.27 | 3.79 | 1 | 23 | 12 | 16.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233679 | 152.27 | 152.73 | 0.26 | 0 | 55 | 5 | 10.0 | 12 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D36 | W233680 | 152.73 | 153.15 | 0.28 | 0 | 112 | 15 | 7.0 | 9 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233681 | 153.15 | 153.61 | 0.08 | 0 | 5 | 2 | 7.0 | 34 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233682 | 153.61 | 154.87 | 0.11 | 0 | 8 | 2 | 6.0 | 23 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233683 | 154.87 | 155.55 | 0.09 | 0 | 10 | 2 | 7.0 | 30 | 6.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233684 | 155.55 | 156.09 | 0.02 | 0 | 48 | 2 | 9.0 | 24 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233685 | 156.09 | 156.66 | 0.05 | 0 | 16 | 3 | 12.0 | 28 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233686 | 156.66 | 157.27 | 0.01 | 0 | 22 | 2 | 11.0 | 26 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233687 | 157.27 | 158.19 | 0.08 | 0 | 41 | 3 | 15.0 | 20 | 4.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D37 | W233689 | 158.19 | 161.23 | 0.04 | 0 | 30 | 3 | 39.0 | 16 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233690 | 161.23 | 164.28 | 0.09 | 0 | 14 | 2 | 25.0 | 14 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233691 | 164.28 | 165.39 | 0.14 | 0 | 12 | 2 | 23.0 | 14 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233693 | 165.39 | 166.06 | 0.03 | 0 | 14 | 2 | 22.0 | 17 | 3.20 | ☑ | ☐ | ☐ | ☐ | |
| R20-D37 | W233692 | 165.39 | 166.06 | 0.02 | 0 | 15 | 2 | 22.0 | 18 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233694 | 166.06 | 166.29 | 0.51 | 0 | 74 | 3 | 10.0 | 10 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233695 | 166.29 | 167.33 | 0.12 | 0 | 22 | 2 | 27.0 | 14 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233696 | 167.33 | 168.40 | 0.13 | 0 | 21 | 3 | 26.0 | 17 | 4.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233697 | 168.40 | 169.19 | 0.05 | 0 | 29 | 3 | 27.0 | 15 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233698 | 169.19 | 170.38 | 0.05 | 0 | 22 | 2 | 23.0 | 15 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233699 | 170.38 | 171.59 | 0.05 | 0 | 24 | 2 | 16.0 | 12 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233700 | 171.59 | 171.90 | 0.16 | 0 | 23 | 3 | 42.0 | 11 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233702 | 171.90 | 173.43 | 0.16 | 0 | 21 | 3 | 26.0 | 17 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233703 | 173.43 | 175.51 | 0.06 | 0 | 61 | 4 | 9.0 | 17 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233704 | 175.51 | 176.47 | 0.07 | 0 | 87 | 5 | 9.0 | 18 | 4.10 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D37 | W233705 | 176.47 | 177.31 | 0.31 | 0 | 27 | 2 | 19.0 | 13 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233706 | 177.31 | 178.00 | 0.13 | 0 | 21 | 2 | 21.0 | 12 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233707 | 178.00 | 178.75 | 0.03 | 0 | 20 | 4 | 19.0 | 17 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233708 | 178.75 | 179.16 | 0.15 | 0 | 51 | 4 | 19.0 | 12 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233710 | 179.16 | 181.00 | 0.02 | 0 | 47 | 2 | 24.0 | 10 | 2.60 | ☐ | ☑ | ☐ | ☐ | |
| R20-D37 | W233709 | 179.16 | 181.00 | 0.02 | 0 | 47 | 3 | 25.0 | 10 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233711 | 181.00 | 182.57 | 0.02 | 0 | 124 | 3 | 23.0 | 10 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233712 | 182.57 | 184.09 | 0.01 | 0 | 142 | 3 | 22.0 | 10 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233713 | 184.09 | 187.14 | 0.01 | 0 | 62 | 3 | 52.0 | 9 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233714 | 187.14 | 189.38 | 0.01 | 0 | 42 | 4 | 68.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233716 | 189.38 | 190.19 | 0.01 | 0 | 50 | 4 | 54.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233717 | 190.19 | 190.83 | 0.06 | 0 | 199 | 4 | 35.0 | 8 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233718 | 190.83 | 191.29 | 0.01 | 0 | 92 | 5 | 32.0 | 8 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233719 | 191.29 | 191.71 | 0.04 | 0 | 108 | 5 | 39.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D37 | W233720 | 191.71 | 192.23 | 0.03 | 0 | 84 | 4 | 44.0 | 9 | 2.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D39 | W233721 | 192.23 | 192.67 | 0.02 | 0 | 120 | 5 | 45.0 | 8 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233722 | 192.67 | 193.04 | 0.03 | 0 | 189 | 4 | 48.0 | 8 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233723 | 193.04 | 194.05 | 0.01 | 0 | 94 | 5 | 49.0 | 8 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233724 | 194.05 | 194.33 | 0.02 | 0 | 159 | 5 | 51.0 | 7 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233726 | 194.33 | 195.72 | 0.04 | 0 | 84 | 4 | 44.0 | 8 | 2.50 | ☐ | ☑ | ☐ | ☐ | |
| R20-D39 | W233725 | 194.33 | 195.72 | 0.01 | 0 | 91 | 4 | 43.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233727 | 195.72 | 197.23 | 0.01 | 0 | 129 | 4 | 36.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233728 | 197.23 | 197.81 | 0.01 | 0 | 74 | 3 | 34.0 | 9 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233729 | 197.81 | 198.91 | 0.02 | 0 | 133 | 4 | 24.0 | 9 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233730 | 198.91 | 199.15 | 0.09 | 0 | 74 | 5 | 23.0 | 10 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233732 | 199.15 | 200.86 | 0.02 | 0 | 104 | 4 | 34.0 | 7 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233733 | 200.86 | 202.38 | 0.02 | 0 | 57 | 5 | 37.0 | 7 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233734 | 202.38 | 203.91 | 0.02 | 0 | 105 | 4 | 44.0 | 6 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233735 | 203.91 | 205.43 | 0.03 | 0 | 108 | 11 | 88.0 | 4 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233736 | 205.43 | 206.95 | 0.05 | 0 | 79 | 7 | 72.0 | 3 | 2.50 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D39 | W233737 | 206.95 | 207.60 | 0.01 | 0 | 182 | 9 | 42.0 | 6 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233739 | 207.60 | 208.00 | 0.06 | 0 | 82 | 10 | 43.0 | 7 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233740 | 208.00 | 210.00 | 0.01 | 0 | 58 | 6 | 48.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233741 | 210.00 | 212.83 | 0.01 | 0 | 107 | 6 | 47.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233742 | 212.83 | 213.08 | 0.01 | 0 | 75 | 8 | 49.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233743 | 213.08 | 214.57 | 0.01 | 0 | 40 | 6 | 44.0 | 4 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233744 | 214.57 | 214.74 | 0.04 | 0 | 477 | 12 | 41.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233746 | 214.74 | 215.68 | 0.02 | 0 | 106 | 9 | 34.0 | 5 | 2.00 | ☑ | ☐ | ☐ | ☐ | |
| R20-D39 | W233745 | 214.74 | 215.68 | 0.01 | 0 | 117 | 9 | 37.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233747 | 215.68 | 216.10 | 0.02 | 0 | 93 | 5 | 24.0 | 5 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233748 | 216.10 | 217.62 | 0.01 | 0 | 67 | 6 | 52.0 | 7 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233749 | 217.62 | 218.63 | 0.01 | 0 | 93 | 6 | 32.0 | 10 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233750 | 218.63 | 219.15 | 0.03 | 0 | 456 | 8 | 27.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233751 | 219.15 | 220.67 | 0.02 | 0 | 174 | 8 | 40.0 | 4 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233752 | 220.67 | 222.19 | 0.02 | 0 | 187 | 8 | 42.0 | 4 | 3.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D39 | W233754 | 222.19 | 223.81 | 0.01 | 0 | 144 | 9 | 51.0 | 5 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233755 | 223.81 | 224.43 | 0.01 | 0 | 90 | 6 | 56.0 | 6 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233756 | 224.43 | 225.50 | 0.02 | 0 | 36 | 6 | 66.0 | 6 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233757 | 225.50 | 226.29 | 0.06 | 0 | 49 | 7 | 74.0 | 8 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233758 | 226.29 | 228.04 | 0.04 | 0 | 37 | 6 | 79.0 | 8 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233759 | 228.04 | 228.47 | 0.27 | 0 | 108 | 5 | 37.0 | 10 | 15.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D39 | W233760 | 228.47 | 229.00 | 1.97 | 0 | 634 | 9 | 26.0 | 6 | 7.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233761 | 229.00 | 229.40 | 1.15 | 0 | 740 | 5 | 15.0 | 6 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233762 | 229.40 | 230.44 | 0.07 | 0 | 61 | 3 | 33.0 | 15 | 7.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233763 | 230.44 | 230.74 | 0.09 | 0 | 62 | 2 | 37.0 | 16 | 14.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233764 | 230.74 | 231.28 | 0.06 | 0 | 74 | 2 | 30.0 | 17 | 8.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233765 | 231.28 | 231.34 | 0.12 | 0 | 31 | 3 | 15.0 | 9 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233766 | 231.34 | 232.00 | 0.19 | 0 | 37 | 2 | 12.0 | 14 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233768 | 232.00 | 232.33 | 0.19 | 0 | 25 | 4 | 19.0 | 18 | 7.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233769 | 232.33 | 233.82 | 0.11 | 0 | 18 | 3 | 21.0 | 17 | 10.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D41 | W233770 | 233.82 | 234.13 | 0.11 | 0 | 8 | 3 | 9.0 | 16 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233771 | 234.13 | 234.61 | 0.10 | 0 | 4 | 2 | 7.0 | 23 | 6.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233772 | 234.61 | 234.82 | 0.04 | 0 | 5 | 3 | 10.0 | 9 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233774 | 234.82 | 235.21 | 0.65 | 0 | 16 | 3 | 9.0 | 39 | 9.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233775 | 235.21 | 235.91 | 0.02 | 0 | 4 | 2 | 9.0 | 33 | 10.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233776 | 235.91 | 236.40 | 0.46 | 0 | 17 | 7 | 293.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233777 | 236.40 | 236.61 | 0.20 | 0 | 8 | 2 | 23.0 | 25 | 9.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233778 | 236.61 | 237.45 | 0.36 | 0 | 15 | 3 | 9.0 | 23 | 7.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233780 | 237.45 | 238.32 | 0.06 | 0 | 16 | 2 | 38.0 | 18 | 7.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233781 | 238.32 | 239.47 | 0.03 | 0 | 32 | 2 | 65.0 | 13 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233782 | 239.47 | 239.70 | 0.03 | 0 | 43 | 5 | 51.0 | 9 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233783 | 239.70 | 242.01 | 0.03 | 0 | 43 | 2 | 50.0 | 12 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233784 | 242.01 | 243.00 | 0.03 | 0 | 45 | 2 | 28.0 | 14 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233785 | 243.00 | 243.53 | 0.04 | 0 | 39 | 2 | 25.0 | 13 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233786 | 243.53 | 244.08 | 0.12 | 0 | 14 | 3 | 10.0 | 25 | 6.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D41 | W233787 | 244.08 | 244.38 | 0.01 | 0 | 6 | 2 | 11.0 | 11 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233788 | 244.38 | 245.05 | 0.28 | 0 | 32 | 3 | 18.0 | 3 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233789 | 245.05 | 245.58 | 0.02 | 0 | 13 | 2 | 12.0 | 15 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233790 | 245.58 | 246.20 | 0.03 | 0 | 11 | 3 | 16.0 | 17 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233791 | 246.20 | 247.81 | 0.11 | 0 | 9 | 3 | 15.0 | 20 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233793 | 247.81 | 249.00 | 0.07 | 0 | 29 | 2 | 15.0 | 14 | 5.10 | ☐ | ☑ | ☐ | ☐ | |
| R20-D41 | W233792 | 247.81 | 249.00 | 0.07 | 0 | 31 | 2 | 16.0 | 15 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233794 | 249.00 | 250.00 | 0.03 | 0 | 34 | 3 | 16.0 | 16 | 14.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233795 | 250.00 | 250.36 | 0.35 | 0 | 175 | 3 | 30.0 | 12 | 16.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233796 | 250.36 | 250.70 | 0.13 | 0 | 74 | 2 | 34.0 | 12 | 10.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233797 | 250.70 | 252.00 | 0.15 | 0 | 97 | 3 | 44.0 | 10 | 13.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233798 | 252.00 | 252.86 | 0.04 | 0 | 56 | 3 | 60.0 | 11 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D41 | W233799 | 252.00 | 252.86 | 0.07 | 0 | 44 | 4 | 62.0 | 11 | 8.00 | ☑ | ☐ | ☐ | ☐ | |
| R20-D41 | W233800 | 252.86 | 253.16 | 0.14 | 0 | 72 | 5 | 109.0 | 13 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233801 | 253.16 | 253.69 | 0.06 | 0 | 79 | 6 | 78.0 | 9 | 1.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D42 | W233802 | 253.69 | 254.94 | 0.03 | 0 | 64 | 3 | 49.0 | 14 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233803 | 254.94 | 255.88 | 0.03 | 0 | 60 | 3 | 57.0 | 9 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233804 | 255.88 | 256.85 | 0.03 | 0 | 46 | 2 | 50.0 | 7 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233805 | 256.85 | 257.69 | 0.02 | 0 | 74 | 3 | 86.0 | 7 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233807 | 257.69 | 258.77 | 0.01 | 0 | 156 | 6 | 155.0 | 6 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233808 | 258.77 | 261.09 | 0.02 | 0 | 21 | 2 | 66.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233809 | 261.09 | 262.26 | 0.01 | 0 | 76 | 3 | 65.0 | 4 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233810 | 262.26 | 262.61 | 0.01 | 0 | 24 | 3 | 59.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233811 | 262.61 | 263.34 | 0.02 | 0 | 57 | 3 | 61.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233813 | 263.34 | 264.30 | 0.01 | 0 | 15 | 1 | 46.0 | 4 | 1.90 | ☑ | ☐ | ☐ | ☐ | |
| R20-D42 | W233812 | 263.34 | 264.30 | 0.01 | 0 | 20 | 1 | 43.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233814 | 264.30 | 264.87 | 0.01 | 0 | 42 | 2 | 82.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233815 | 264.87 | 267.08 | 0.01 | 0 | 51 | 2 | 90.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233816 | 267.08 | 267.91 | 0.01 | 0 | 19 | 2 | 42.0 | 18 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233817 | 267.91 | 269.00 | 0.01 | 0 | 43 | 2 | 54.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D42 | W233818 | 269.00 | 269.44 | 0.01 | 0 | 99 | 3 | 53.0 | 6 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233820 | 269.44 | 269.80 | 0.01 | 0 | 86 | 3 | 75.0 | 5 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233821 | 269.80 | 270.96 | 0.01 | 0 | 45 | 2 | 77.0 | 6 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233822 | 270.96 | 271.82 | 0.01 | 0 | 39 | 2 | 58.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233823 | 271.82 | 272.22 | 0.02 | 0 | 33 | 2 | 32.0 | 6 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233824 | 272.22 | 272.93 | 0.02 | 0 | 85 | 2 | 52.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233826 | 272.93 | 274.01 | 0.01 | 0 | 50 | 2 | 46.0 | 6 | 1.60 | ☐ | ☑ | ☐ | ☐ | |
| R20-D42 | W233825 | 272.93 | 274.01 | 0.01 | 0 | 45 | 2 | 45.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233827 | 274.01 | 275.10 | 0.01 | 0 | 28 | 3 | 55.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233828 | 275.10 | 276.09 | 0.01 | 0 | 47 | 3 | 56.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233829 | 276.09 | 276.85 | 0.03 | 0 | 24 | 3 | 55.0 | 6 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233830 | 276.85 | 276.92 | 0.03 | 0 | 21 | 5 | 61.0 | 4 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233832 | 276.92 | 277.41 | 0.01 | 0 | 14 | 4 | 72.0 | 6 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233833 | 277.41 | 278.00 | 0.01 | 0 | 11 | 5 | 85.0 | 9 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233834 | 278.00 | 278.58 | 0.01 | 0 | 7 | 3 | 82.0 | 7 | 1.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D42 | W233835 | 278.58 | 279.27 | 0.02 | 0 | 11 | 3 | 77.0 | 7 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233836 | 279.27 | 280.27 | 0.01 | 0 | 24 | 4 | 36.0 | 9 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233837 | 280.27 | 281.22 | 0.02 | 0 | 12 | 2 | 47.0 | 7 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233838 | 281.22 | 281.34 | 0.01 | 0 | 24 | 12 | 32.0 | 5 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233839 | 281.34 | 282.32 | 0.01 | 0 | 11 | 3 | 60.0 | 6 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D42 | W233840 | 282.32 | 282.57 | 0.02 | 0 | 60 | 4 | 60.0 | 8 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233841 | 282.57 | 283.15 | 0.01 | 0 | 20 | 3 | 63.0 | 6 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233842 | 283.15 | 284.00 | 0.01 | 0 | 23 | 2 | 59.0 | 5 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233843 | 284.00 | 284.68 | 0.01 | 0 | 86 | 5 | 51.0 | 5 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233844 | 284.68 | 285.38 | 0.01 | 0 | 11 | 3 | 68.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233845 | 285.38 | 285.89 | 0.01 | 0 | 39 | 3 | 42.0 | 7 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233846 | 285.89 | 286.29 | 0.01 | 0 | 120 | 7 | 62.0 | 7 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233847 | 286.29 | 287.12 | 0.01 | 0 | 44 | 4 | 36.0 | 6 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233848 | 287.12 | 289.40 | 0.01 | 0 | 37 | 4 | 24.0 | 3 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233849 | 289.40 | 289.67 | 0.01 | 0 | 144 | 11 | 38.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D44 | W233851 | 289.67 | 290.63 | 0.01 | 0 | 54 | 6 | 27.0 | 5 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233853 | 290.63 | 291.49 | 0.01 | 0 | 76 | 9 | 43.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233854 | 291.49 | 293.57 | 0.04 | 0 | 45 | 6 | 70.0 | 6 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233855 | 293.57 | 294.98 | 0.03 | 0 | 59 | 9 | 24.0 | 14 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233856 | 294.98 | 295.63 | 1.38 | 0 | 86 | 7 | 21.0 | 13 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233857 | 295.63 | 297.50 | 0.01 | 0 | 33 | 6 | 57.0 | 9 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233858 | 297.50 | 298.26 | 0.02 | 0 | 31 | 7 | 24.0 | 6 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233859 | 298.26 | 299.55 | 0.01 | 0 | 34 | 6 | 20.0 | 6 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233861 | 299.55 | 300.96 | 0.03 | 0 | 41 | 13 | 28.0 | 8 | 2.40 | ☐ | ☑ | ☐ | ☐ | |
| R20-D44 | W233860 | 299.55 | 300.96 | 0.03 | 0 | 40 | 12 | 27.0 | 8 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233862 | 300.96 | 301.08 | 0.03 | 0 | 35 | 12 | 34.0 | 5 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233863 | 301.08 | 301.44 | 0.13 | 0 | 30 | 13 | 32.0 | 11 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233864 | 301.44 | 301.84 | 0.05 | 0 | 18 | 7 | 25.0 | 7 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233865 | 301.84 | 302.97 | 0.01 | 0 | 31 | 12 | 111.0 | 7 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233866 | 301.84 | 302.97 | 0.01 | 0 | 36 | 12 | 52.0 | 7 | 2.50 | ☑ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D44 | W233867 | 302.97 | 304.49 | 0.02 | 0 | 55 | 7 | 36.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233868 | 304.49 | 305.05 | 0.01 | 0 | 54 | 8 | 18.0 | 7 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233869 | 305.05 | 306.01 | 0.01 | 0 | 52 | 10 | 30.0 | 7 | 2.60 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 532024 | 7114466 | 1220 | 477.93 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: AS -20-005**

**CLAIM:**

Contractor: Superior

Drill: 6

Core Size: HQ3

Casing Depth: 4.57m, In

Drilling Dates: Sep 18 - Sep 28, 2020

Geology Logged By: A. Schneebeli

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| 0 | 229.6 | -50 | Reflex |
| 478.53 | 237.26 | -47.3 | Reflex |

**TARGET:**

| SUMMARY | | | |
|---|---|---|---|
| From (m) | To (m) | Interval (m) | Rock Type |
| 0 | 0.31 | 0.31 | -?- |
| 0.31 | 20.26 | 19.95 | PHY |
| 20.26 | 23.93 | 3.67 | QV |
| 23.93 | 38.93 | 15 | PHY |
| 38.93 | 40.8 | 1.87 | QV |
| 40.8 | 41.36 | 0.56 | PHY |
| 41.36 | 43 | 1.64 | SST |
| 43 | 45.29 | 2.29 | QV |
| 45.29 | 60.74 | 15.45 | PHY |
| 60.74 | 69.81 | 9.07 | FLR |
| 69.81 | 75.3 | 5.49 | PHY |
| 75.3 | 76.85 | 1.55 | FLR |
| 76.85 | 110.9 | 34.05 | PHY |
| 110.9 | 113.51 | 2.61 | FLR |
| 113.51 | 120.27 | 6.76 | PHY |
| 120.27 | 127.8 | 7.53 | FLR |

| SAMPLES | |
|---|---|
| Numbers: | R613818 to R614200, R615301 to R615367 |
| Total: | 450 |
| Batch: | D31, D33, D35, D38, D40, D43, D45, D47, D50, D5 |
| Certificates: | WH20218099, WH20218106, WH20218161, WH20227668, WH20227679, WH20227684, WH20227688, WH20227699, WH20227707, WH20227714, WH20228443, WH20228449, |

**COMMENTS**

Hole ended well beyond target depth due to interesting looking veining. Casing left in.

| | | | |
|---|---|---|---|
| 127.8 | 147.22 | 19.42 | PHY |
| 147.22 | 150.44 | 3.22 | FLR |
| 150.44 | 177.75 | 27.31 | PHY |
| 177.75 | 178.9 | 1.15 | QV |
| 178.9 | 192.3 | 13.4 | PHY |
| 192.3 | 200 | 7.7 | QV |
| 200 | 314.29 | 114.29 | PHY |
| 314.29 | 316.38 | 2.09 | QV |
| 316.38 | 320.46 | 4.08 | PHY |
| 320.46 | 321.53 | 1.07 | QV |
| 321.53 | 326.36 | 4.83 | PHY |
| 326.36 | 327.14 | 0.78 | QV |
| 327.14 | 334.33 | 7.19 | PHY |
| 334.33 | 335.48 | 1.15 | QV |
| 335.48 | 344.56 | 9.08 | PHY |
| 344.56 | 344.77 | 0.21 | QV |
| 344.77 | 366.8 | 22.03 | PHY |
| 366.8 | 371.2 | 4.4 | QV |
| 371.2 | 401 | 29.8 | PHY |
| 401 | 468.78 | 67.78 | PHY |
| 468.78 | 477.93 | 9.15 | PHY |

# AS -20-005



| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614200 | ☐ | R20-D51 | | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614076 | ☐ | R20-D45 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614089 | ☐ | R20-D47 | Core | P6C | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614104 | ☐ | R20-D47 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614118 | ☐ | R20-D47 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614130 | ☐ | R20-D50 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614152 | ☐ | R20-D50 | Core | GS-3Q | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614064 | ☐ | R20-D45 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614171 | ☐ | R20-D51 | | P6C | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614180 | ☐ | R20-D51 | | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613834 | ☐ | R20-D31 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615320 | ☐ | R20-D53 | Core | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615338 | ☐ | R20-D53 | Core | P6C | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615351 | ☐ | R20-D56 | Core | P6C | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615355 | ☐ | R20-D56 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615360 | ☐ | R20-D56 | Core | P6C | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614159 | ☐ | R20-D50 | Core | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613932 | ☐ | R20-D38 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613839 | ☐ | R20-D31 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613853 | ☐ | R20-D33 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613855 | ☐ | R20-D33 | Core | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613874 | ☐ | R20-D33 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613885 | ☐ | R20-D35 | | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613895 | ☐ | R20-D35 | | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613913 | ☐ | R20-D35 | | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614060 | ☐ | R20-D45 | Core | GS-1X | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613926 | ☐ | R20-D38 | Core | GS-P5E | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613950 | ☐ | R20-D38 | Core | GS-3Q | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613968 | ☐ | R20-D40 | | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613989 | ☐ | R20-D40 | | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R613998 | ☐ | R20-D40 | | GS-3Q | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614007 | ☐ | R20-D43 | | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614014 | ☐ | R20-D43 | | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R614032 | ☐ | R20-D43 | | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | R615302 | ☐ | R20-D53 | Core | | ☑ | ☐ | ☐ |
| 0.31 | 1.55 | 1.24 | -?-, PHY | 1.16 | 94 | R613818 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 1.55 | 3.68 | 2.13 | PHY | 1.89 | 89 | R613819 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 3.68 | 4.30 | 0.62 | PHY | 0.55 | 89 | R613820 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 3.68 | 4.30 | 0.62 | PHY | 0.55 | 89 | R613821 | ☐ | R20-D31 | Core | | ☐ | ☑ | ☐ |
| 4.30 | 5.64 | 1.34 | PHY | 1.20 | 90 | R613822 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 5.64 | 6.90 | 1.26 | PHY | 0.88 | 70 | R613823 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 6.90 | 7.20 | 0.30 | PHY | 0.18 | 60 | R613824 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 7.20 | 8.53 | 1.33 | PHY | 0.99 | 74 | R613825 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 8.53 | 9.41 | 0.88 | PHY | 0.75 | 85 | R613826 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 9.41 | 9.56 | 0.15 | PHY | 0.14 | 93 | R613827 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 9.56 | 10.06 | 0.50 | PHY | 0.50 | 100 | R613828 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 10.06 | 10.30 | 0.24 | PHY | 0.23 | 96 | R613829 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 10.30 | 11.58 | 1.28 | PHY | 1.19 | 93 | R613830 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 11.58 | 13.11 | 1.53 | PHY | 1.38 | 90 | R613831 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 13.11 | 13.53 | 0.42 | PHY | 0.41 | 98 | R613832 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 13.53 | 13.91 | 0.38 | PHY | 0.33 | 87 | R613833 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 13.91 | 14.24 | 0.33 | PHY | 0.25 | 76 | R613835 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 14.24 | 14.39 | 0.15 | PHY | 0.10 | 67 | R613836 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 14.39 | 14.72 | 0.33 | PHY | 0.29 | 88 | R613837 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14.72 | 15.00 | 0.28 | PHY | 0.22 | 79 | R613838 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 15.00 | 16.02 | 1.02 | PHY | 0.97 | 95 | R613840 | ☐ | R20-D31 | Core | | ☐ | ☐ | ☐ |
| 16.02 | 16.20 | 0.18 | PHY | 0.16 | 89 | R613841 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 16.20 | 16.48 | 0.28 | PHY | 0.23 | 82 | R613842 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 16.48 | 17.82 | 1.34 | PHY | 0.75 | 56 | R613843 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 17.82 | 18.81 | 0.99 | PHY | 0.97 | 98 | R613844 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 18.81 | 19.00 | 0.19 | PHY | 0.16 | 84 | R613845 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 19.00 | 20.20 | 1.20 | PHY | 1.16 | 97 | R613846 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 20.20 | 20.82 | 0.62 | PHY | 0.61 | 98 | R613847 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 20.82 | 21.45 | 0.63 | QV | 0.52 | 83 | R613848 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 21.45 | 22.25 | 0.80 | QV | 0.76 | 95 | R613849 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 22.25 | 22.71 | 0.46 | QV | 0.45 | 98 | R613850 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 22.71 | 23.06 | 0.35 | QV | 0.35 | 100 | R613851 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 23.06 | 23.30 | 0.24 | QV | 0.19 | 79 | R613852 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 23.30 | 23.57 | 0.27 | QV | 0.27 | 100 | R613854 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 23.57 | 23.90 | 0.33 | QV | 0.33 | 100 | R613856 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 23.90 | 24.70 | 0.80 | QV | 0.71 | 89 | R613857 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 24.70 | 24.90 | 0.20 | PHY | 0.20 | 100 | R613858 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 24.90 | 25.30 | 0.40 | PHY | 0.34 | 85 | R613859 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 25.30 | 25.40 | 0.10 | PHY | 0.08 | 80 | R613860 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 25.40 | 26.14 | 0.74 | PHY | 0.62 | 84 | R613861 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 26.14 | 26.82 | 0.68 | PHY | 0.46 | 68 | R613862 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 26.82 | 28.35 | 1.53 | PHY | 1.51 | 99 | R613863 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 28.35 | 29.87 | 1.52 | PHY | 1.52 | 100 | R613864 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 29.87 | 30.91 | 1.04 | PHY | 0.96 | 92 | R613865 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 30.91 | 31.09 | 0.18 | PHY | 0.13 | 72 | R613866 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 31.09 | 31.39 | 0.30 | PHY | 0.23 | 77 | R613867 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 31.39 | 31.79 | 0.40 | PHY | 0.38 | 95 | R613868 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31.79 | 32.19 | 0.40 | PHY | 0.33 | 83 | R613869 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 32.19 | 32.45 | 0.26 | PHY | 0.23 | 88 | R613870 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 32.19 | 32.45 | 0.26 | PHY | 0.23 | 88 | R613871 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☑ |
| 32.45 | 32.92 | 0.47 | PHY | 0.41 | 87 | R613872 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 32.92 | 33.79 | 0.87 | PHY | 0.87 | 100 | R613873 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 33.79 | 34.07 | 0.28 | PHY | 0.22 | 79 | R613875 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 34.07 | 34.20 | 0.13 | PHY | 0.13 | 100 | R613876 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 34.20 | 34.44 | 0.24 | PHY | 0.24 | 100 | R613877 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 34.44 | 35.97 | 1.53 | PHY | 1.46 | 95 | R613878 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 34.44 | 35.97 | 1.53 | PHY | 1.46 | 95 | R613879 | ☐ | R20-D33 | Core | | ☐ | ☑ | ☐ |
| 35.97 | 36.35 | 0.38 | PHY | 0.33 | 87 | R613880 | ☐ | R20-D33 | Core | | ☐ | ☐ | ☐ |
| 36.35 | 37.49 | 1.14 | PHY | 1.14 | 100 | R613881 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 37.49 | 38.47 | 0.98 | PHY | 0.96 | 98 | R613882 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 38.47 | 39.01 | 0.54 | PHY | 0.54 | 100 | R613883 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 39.01 | 40.17 | 1.16 | QV | 1.11 | 96 | R613884 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 40.17 | 40.63 | 0.46 | QV | 0.44 | 96 | R613886 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 40.63 | 40.80 | 0.17 | QV | 0.15 | 88 | R613887 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 40.80 | 41.35 | 0.55 | PHY, QV | 0.54 | 98 | R613888 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 41.35 | 43.00 | 1.65 | PHY | 1.33 | 81 | R613889 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 43.00 | 43.35 | 0.35 | SST, QV | 0.35 | 100 | R613890 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 43.00 | 43.35 | 0.35 | SST, QV | 0.35 | 100 | R613891 | ☐ | R20-D35 | | | ☐ | ☐ | ☑ |
| 43.35 | 44.55 | 1.20 | QV | 1.05 | 88 | R613892 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 44.55 | 45.11 | 0.56 | QV | 0.56 | 100 | R613893 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 45.11 | 45.30 | 0.19 | QV | 0.19 | 100 | R613894 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 45.30 | 46.63 | 1.33 | PHY | 1.26 | 95 | R613896 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 46.63 | 49.68 | 3.05 | PHY | 3.05 | 100 | R613897 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 49.68 | 52.73 | 3.05 | PHY | 2.89 | 95 | R613898 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52.73 | 53.47 | 0.74 | PHY | 0.74 | 100 | R613899 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 53.47 | 54.25 | 0.78 | PHY | 0.64 | 82 | R613900 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 54.25 | 57.30 | 3.05 | PHY | 2.71 | 89 | R613901 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 57.30 | 58.82 | 1.52 | PHY | 1.52 | 100 | R613902 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 58.82 | 60.35 | 1.53 | PHY | 1.53 | 100 | R613903 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 60.35 | 61.87 | 1.52 | PHY | 1.32 | 87 | R613904 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 61.87 | 63.40 | 1.53 | FLR | 1.53 | 100 | R613905 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 63.40 | 64.92 | 1.52 | FLR | 1.22 | 80 | R613906 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 64.92 | 66.45 | 1.53 | FLR | 1.52 | 99 | R613907 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 66.45 | 67.97 | 1.52 | FLR | 1.38 | 91 | R613908 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 67.97 | 69.85 | 1.88 | FLR | 1.77 | 94 | R613909 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 67.97 | 69.85 | 1.88 | FLR | 1.77 | 94 | R613910 | ☐ | R20-D35 | | | ☐ | ☑ | ☐ |
| 69.85 | 71.32 | 1.47 | PHY | 1.47 | 100 | R613911 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 71.32 | 71.62 | 0.30 | PHY | 0.30 | 100 | R613912 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 71.62 | 72.00 | 0.38 | PHY | 0.27 | 71 | R613914 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 72.00 | 72.20 | 0.20 | PHY | 0.20 | 100 | R613915 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 72.20 | 73.64 | 1.44 | PHY | 1.40 | 97 | R613916 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 73.64 | 74.20 | 0.56 | PHY | 0.55 | 98 | R613917 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 74.20 | 75.16 | 0.96 | PHY | 0.96 | 100 | R613918 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 75.16 | 76.80 | 1.64 | PHY | 1.37 | 84 | R613919 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 76.80 | 78.64 | 1.84 | FLR | 1.63 | 89 | R613920 | ☐ | R20-D35 | | | ☐ | ☐ | ☐ |
| 78.64 | 80.16 | 1.52 | PHY | 1.52 | 100 | R613921 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 80.16 | 83.21 | 3.05 | PHY | 3.05 | 100 | R613922 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 83.21 | 85.79 | 2.58 | PHY | 2.42 | 94 | R613923 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 85.79 | 86.26 | 0.47 | PHY | 0.47 | 100 | R613924 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 86.26 | 89.31 | 3.05 | PHY | 3.05 | 100 | R613925 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 89.31 | 92.35 | 3.04 | PHY | 3.04 | 100 | R613927 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 92.35 | 95.15 | 2.80 | PHY | 2.72 | 97 | R613928 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95.15 | 98.20 | 3.05 | PHY | 3.05 | 100 | R613929 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 98.20 | 99.97 | 1.77 | PHY | 1.77 | 100 | R613930 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 99.97 | 100.55 | 0.58 | PHY | 0.45 | 78 | R613931 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 100.55 | 101.32 | 0.77 | PHY | 0.68 | 88 | R613933 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 101.32 | 101.50 | 0.18 | PHY | 0.18 | 100 | R613934 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 101.50 | 102.65 | 1.15 | PHY | 1.15 | 100 | R613935 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 102.65 | 102.83 | 0.18 | PHY | 0.16 | 89 | R613936 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 102.83 | 103.57 | 0.74 | PHY | 0.71 | 96 | R613937 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 103.57 | 103.82 | 0.25 | PHY | 0.24 | 96 | R613938 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 103.57 | 103.82 | 0.25 | PHY | 0.24 | 96 | R613939 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☑ |
| 103.82 | 106.07 | 2.25 | PHY | 2.25 | 100 | R613940 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 106.07 | 108.80 | 2.73 | PHY | 2.66 | 97 | R613941 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 108.80 | 109.30 | 0.50 | PHY | 0.50 | 100 | R613942 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 109.30 | 109.66 | 0.36 | PHY | 0.36 | 100 | R613943 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 109.30 | 109.66 | 0.36 | PHY | 0.36 | 100 | R613944 | ☐ | R20-D38 | Core | | ☐ | ☑ | ☐ |
| 109.66 | 110.94 | 1.28 | PHY | 1.28 | 100 | R613945 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 110.94 | 111.74 | 0.80 | FLR | 0.80 | 100 | R613946 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 111.74 | 111.93 | 0.19 | FLR | 0.15 | 79 | R613947 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 111.93 | 112.86 | 0.93 | FLR | 0.77 | 83 | R613948 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 112.86 | 113.38 | 0.52 | FLR | 0.31 | 60 | R613949 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 113.38 | 115.21 | 1.83 | FLR | 1.60 | 87 | R613951 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 115.21 | 118.26 | 3.05 | PHY | 2.90 | 95 | R613952 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 118.26 | 120.30 | 2.04 | PHY | 1.84 | 90 | R613953 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 120.30 | 120.62 | 0.32 | FLR | 0.28 | 88 | R613954 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 120.62 | 121.31 | 0.69 | FLR | 0.67 | 97 | R613955 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 121.31 | 123.00 | 1.69 | FLR | 1.00 | 59 | R613956 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 123.00 | 124.36 | 1.36 | FLR | 1.36 | 100 | R613957 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 124.36 | 125.88 | 1.52 | FLR | 0.75 | 49 | R613958 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 125.88 | 127.80 | 1.92 | FLR | 1.26 | 66 | R613959 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 127.80 | 130.45 | 2.65 | FLR, PHY | 2.50 | 94 | R613960 | ☐ | R20-D38 | Core | | ☐ | ☐ | ☐ |
| 130.45 | 131.42 | 0.97 | PHY | 0.97 | 100 | R613961 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 130.45 | 131.42 | 0.97 | PHY | 0.97 | 100 | R613962 | ☐ | R20-D40 | | | ☐ | ✔ | ☐ |
| 131.42 | 132.21 | 0.79 | PHY | 0.78 | 99 | R613963 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 132.21 | 133.50 | 1.29 | PHY | 0.95 | 74 | R613964 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 133.50 | 136.55 | 3.05 | PHY | 3.05 | 100 | R613965 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 136.55 | 137.81 | 1.26 | PHY | 1.26 | 100 | R613966 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 137.81 | 138.07 | 0.26 | PHY | 0.26 | 100 | R613967 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 138.07 | 141.12 | 3.05 | PHY | 3.05 | 100 | R613969 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 141.12 | 144.17 | 3.05 | PHY | 3.05 | 100 | R613970 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 144.17 | 147.22 | 3.05 | PHY | 3.05 | 100 | R613971 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 147.22 | 148.74 | 1.52 | PHY, FLR | 1.43 | 94 | R613972 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 148.74 | 150.38 | 1.64 | FLR | 0.91 | 55 | R613973 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 150.38 | 151.58 | 1.20 | FLR | 1.17 | 98 | R613974 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 151.58 | 152.02 | 0.44 | PHY | 0.44 | 100 | R613975 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 152.02 | 153.31 | 1.29 | PHY | 1.26 | 98 | R613976 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 153.31 | 156.36 | 3.05 | PHY | 2.87 | 94 | R613977 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 156.36 | 159.41 | 3.05 | PHY | 3.05 | 100 | R613978 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 159.41 | 162.46 | 3.05 | PHY | 3.05 | 100 | R613979 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 162.46 | 163.70 | 1.24 | PHY | 1.24 | 100 | R613980 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 163.70 | 164.95 | 1.25 | PHY | 1.16 | 93 | R613981 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 164.95 | 167.03 | 2.08 | PHY | 2.08 | 100 | R613982 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 167.03 | 170.08 | 3.05 | PHY | 2.96 | 97 | R613983 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 170.08 | 173.13 | 3.05 | PHY | 3.05 | 100 | R613984 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 173.13 | 176.44 | 3.31 | PHY | 3.31 | 100 | R613985 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 176.44 | 177.70 | 1.26 | PHY | 1.18 | 94 | R613986 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 177.70 | 177.92 | 0.22 | PHY | 0.20 | 91 | R613987 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 177.92 | 178.95 | 1.03 | QV | 1.03 | 100 | R613988 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 178.95 | 179.32 | 0.37 | PHY | 0.37 | 100 | R613990 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 179.32 | 180.75 | 1.43 | PHY | 1.37 | 96 | R613991 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 180.75 | 182.27 | 1.52 | PHY | 1.50 | 99 | R613992 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 182.27 | 183.11 | 0.84 | PHY | 0.77 | 92 | R613993 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 183.11 | 183.79 | 0.68 | PHY | 0.68 | 100 | R613994 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 183.11 | 183.79 | 0.68 | PHY | 0.68 | 100 | R613995 | ☐ | R20-D40 | | | ☐ | ☐ | ☑ |
| 183.79 | 184.38 | 0.59 | PHY | 0.58 | 98 | R613996 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 184.38 | 184.69 | 0.31 | PHY | 0.29 | 94 | R613997 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 184.69 | 185.32 | 0.63 | PHY | 0.63 | 100 | R613999 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 185.32 | 186.84 | 1.52 | PHY | 1.52 | 100 | R614000 | ☐ | R20-D40 | | | ☐ | ☐ | ☐ |
| 186.84 | 188.37 | 1.53 | PHY | 1.53 | 100 | R614001 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 188.37 | 189.89 | 1.52 | PHY | 1.48 | 97 | R614002 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 189.89 | 191.41 | 1.52 | PHY | 1.52 | 100 | R614003 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 191.41 | 192.20 | 0.79 | PHY | 0.77 | 97 | R614004 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 192.20 | 192.36 | 0.16 | PHY | 0.16 | 100 | R614005 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 192.36 | 192.94 | 0.58 | QV | 0.55 | 95 | R614006 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 192.94 | 194.46 | 1.52 | QV | 1.52 | 100 | R614008 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 194.46 | 195.99 | 1.53 | QV | 1.43 | 93 | R614009 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 194.46 | 195.99 | 1.53 | QV | 1.43 | 93 | R614010 | ☐ | R20-D43 | | | ☐ | ☐ | ☑ |
| 195.99 | 196.27 | 0.28 | QV | 0.28 | 100 | R614011 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 196.27 | 196.60 | 0.33 | QV | 0.33 | 100 | R614012 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 196.60 | 197.51 | 0.91 | QV | 0.79 | 87 | R614013 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 197.51 | 199.03 | 1.52 | QV | 1.52 | 100 | R614015 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 199.03 | 200.00 | 0.97 | QV | 0.97 | 100 | R614016 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 199.03 | 200.00 | 0.97 | QV | 0.97 | 100 | R614017 | ☐ | R20-D43 | | | ☐ | ☑ | ☐ |
| 200.00 | 201.00 | 1.00 | PHY, QV | 1.00 | 100 | R614018 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201.00 | 201.88 | 0.88 | PHY | 0.83 | 94 | R614019 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 201.88 | 202.54 | 0.66 | PHY | 0.61 | 92 | R614020 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 202.54 | 205.13 | 2.59 | PHY | 2.52 | 97 | R614021 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 205.13 | 206.65 | 1.52 | PHY | 1.52 | 100 | R614022 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 206.65 | 208.17 | 1.52 | PHY | 1.43 | 94 | R614023 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 208.17 | 209.70 | 1.53 | PHY | 1.52 | 99 | R614024 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 209.70 | 211.22 | 1.52 | PHY | 1.48 | 97 | R614025 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 211.22 | 212.75 | 1.53 | PHY | 1.52 | 99 | R614026 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 212.75 | 214.27 | 1.52 | PHY | 1.46 | 96 | R614027 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 214.27 | 215.79 | 1.52 | PHY | 1.52 | 100 | R614028 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 215.79 | 217.32 | 1.53 | PHY | 1.53 | 100 | R614029 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 217.32 | 218.00 | 0.68 | PHY | 0.67 | 99 | R614030 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 218.00 | 218.19 | 0.19 | PHY | 0.19 | 100 | R614031 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 218.19 | 219.22 | 1.03 | PHY | 1.03 | 100 | R614033 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 219.22 | 219.50 | 0.28 | PHY | 0.28 | 100 | R614034 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 219.50 | 220.37 | 0.87 | PHY | 0.86 | 99 | R614035 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 220.37 | 221.89 | 1.52 | PHY | 1.52 | 100 | R614036 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 221.89 | 223.41 | 1.52 | PHY | 1.45 | 95 | R614037 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 223.41 | 224.94 | 1.53 | PHY | 1.53 | 100 | R614038 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 224.94 | 226.46 | 1.52 | PHY | 1.52 | 100 | R614039 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 226.46 | 227.99 | 1.53 | PHY | 1.53 | 100 | R614040 | ☐ | R20-D43 | | | ☐ | ☐ | ☐ |
| 227.99 | 231.03 | 3.04 | PHY | 2.95 | 97 | R614041 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 231.03 | 234.08 | 3.05 | PHY | 3.05 | 100 | R614042 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 234.08 | 235.85 | 1.77 | PHY | 1.66 | 94 | R614043 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 235.85 | 236.42 | 0.57 | PHY | 0.53 | 93 | R614044 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 236.42 | 237.32 | 0.90 | PHY | 0.90 | 100 | R614045 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 236.42 | 237.32 | 0.90 | PHY | 0.90 | 100 | R614046 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☑ |
| 237.32 | 238.60 | 1.28 | PHY | 1.27 | 99 | R614047 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 238.60 | 238.84 | 0.24 | PHY | 0.23 | 96 | R614078 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 238.84 | 240.18 | 1.34 | PHY | 1.34 | 100 | R614048 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 240.18 | 243.23 | 3.05 | PHY | 2.97 | 97 | R614049 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 243.23 | 246.27 | 3.04 | PHY | 3.04 | 100 | R614050 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 246.27 | 249.33 | 3.06 | PHY | 3.05 | 100 | R614051 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 249.33 | 250.56 | 1.23 | PHY | 1.21 | 98 | R614052 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 250.56 | 250.75 | 0.19 | PHY | 0.17 | 89 | R614053 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 250.75 | 252.37 | 1.62 | PHY | 1.23 | 76 | R614054 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 252.37 | 253.09 | 0.72 | PHY | 0.72 | 100 | R614055 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 253.09 | 253.86 | 0.77 | PHY | 0.73 | 95 | R614056 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 253.09 | 253.86 | 0.77 | PHY | 0.73 | 95 | R614057 | ☐ | R20-D45 | Core | | ☐ | ☑ | ☐ |
| 253.86 | 255.42 | 1.56 | PHY | 1.46 | 94 | R614058 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 255.42 | 258.47 | 3.05 | PHY | 3.00 | 98 | R614059 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 258.47 | 261.52 | 3.05 | PHY | 2.85 | 93 | R614061 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 261.52 | 264.30 | 2.78 | PHY | 2.78 | 100 | R614062 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 264.30 | 264.41 | 0.11 | PHY | 0.09 | 82 | R614063 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 264.41 | 265.85 | 1.44 | PHY | 1.24 | 86 | R614065 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 265.85 | 266.09 | 0.24 | PHY | 0.23 | 96 | R614066 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 266.09 | 267.61 | 1.52 | PHY | 1.48 | 97 | R614067 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 267.61 | 269.14 | 1.53 | PHY | 1.42 | 93 | R614068 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 269.14 | 270.66 | 1.52 | PHY | 1.41 | 93 | R614069 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 270.66 | 272.19 | 1.53 | PHY | 1.35 | 88 | R614070 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 272.19 | 273.71 | 1.52 | PHY | 1.52 | 100 | R614071 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 273.71 | 275.23 | 1.52 | PHY | 1.52 | 100 | R614072 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 275.23 | 276.76 | 1.53 | PHY | 1.48 | 97 | R614073 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 276.76 | 278.28 | 1.52 | PHY | 1.52 | 100 | R614074 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 278.28 | 279.81 | 1.53 | PHY | 1.53 | 100 | R614075 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 279.81 | 281.33 | 1.52 | PHY | 1.40 | 92 | R614077 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 281.33 | 284.38 | 3.05 | PHY | 2.87 | 94 | R614079 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 284.38 | 286.18 | 1.80 | PHY | 1.75 | 97 | R614080 | ☐ | R20-D45 | Core | | ☐ | ☐ | ☐ |
| 286.18 | 287.43 | 1.25 | PHY | 1.25 | 100 | R614081 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 287.43 | 288.95 | 1.52 | PHY | 1.45 | 95 | R614082 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 288.95 | 292.00 | 3.05 | PHY | 3.05 | 100 | R614083 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 292.00 | 295.05 | 3.05 | PHY | 3.05 | 100 | R614084 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 295.05 | 298.09 | 3.04 | PHY | 2.91 | 96 | R614085 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 298.09 | 301.14 | 3.05 | PHY | 3.05 | 100 | R614086 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 301.14 | 304.19 | 3.05 | PHY | 2.92 | 96 | R614087 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 304.19 | 304.27 | 0.08 | PHY | 0.08 | 100 | R614088 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 304.27 | 307.24 | 2.97 | PHY | 2.97 | 100 | R614090 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 307.24 | 310.29 | 3.05 | PHY | 2.85 | 93 | R614091 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 310.29 | 313.13 | 2.84 | PHY | 2.69 | 95 | R614092 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 313.13 | 313.22 | 0.09 | PHY | 0.09 | 100 | R614093 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 313.22 | 314.27 | 1.05 | PHY | 1.05 | 100 | R614094 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 314.27 | 314.86 | 0.59 | PHY | 0.59 | 100 | R614095 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 314.86 | 316.38 | 1.52 | QV | 1.41 | 93 | R614096 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 314.86 | 316.38 | 1.52 | QV | 1.41 | 93 | R614097 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☑ |
| 316.38 | 317.91 | 1.53 | PHY, QV | 1.53 | 100 | R614098 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 317.91 | 319.12 | 1.21 | PHY | 1.12 | 93 | R614099 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 319.12 | 319.51 | 0.39 | PHY | 0.38 | 97 | R614100 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 319.51 | 320.45 | 0.94 | PHY | 0.90 | 96 | R614101 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 320.45 | 321.09 | 0.64 | PHY | 0.50 | 78 | R614102 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 321.09 | 321.62 | 0.53 | QV | 0.51 | 96 | R614103 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 321.62 | 322.23 | 0.61 | PHY | 0.58 | 95 | R614105 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 322.23 | 322.48 | 0.25 | PHY | 0.24 | 96 | R614106 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 322.48 | 323.52 | 1.04 | PHY | 1.01 | 97 | R614107 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 323.52 | 323.67 | 0.15 | PHY | 0.13 | 87 | R614108 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 323.67 | 324.00 | 0.33 | PHY | 0.32 | 97 | R614109 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 324.00 | 324.21 | 0.21 | PHY | 0.21 | 100 | R614110 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 324.00 | 324.21 | 0.21 | PHY | 0.21 | 100 | R614111 | ☐ | R20-D47 | Core | | ☐ | ☑ | ☐ |
| 324.21 | 325.38 | 1.17 | PHY | 1.17 | 100 | R614112 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 325.38 | 325.69 | 0.31 | PHY | 0.28 | 90 | R614113 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 325.69 | 326.35 | 0.66 | PHY | 0.64 | 97 | R614114 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 326.35 | 327.18 | 0.83 | PHY | 0.72 | 87 | R614115 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 327.18 | 329.09 | 1.91 | PHY | 1.91 | 100 | R614116 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 329.09 | 330.10 | 1.01 | PHY | 0.87 | 86 | R614117 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 330.10 | 332.69 | 2.59 | PHY | 2.59 | 100 | R614119 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 332.69 | 333.15 | 0.46 | PHY | 0.46 | 100 | R614120 | ☐ | R20-D47 | Core | | ☐ | ☐ | ☐ |
| 333.15 | 334.33 | 1.18 | PHY | 1.17 | 99 | R614121 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 334.33 | 335.58 | 1.25 | QV, PHY | 1.09 | 87 | R614122 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 334.33 | 335.58 | 1.25 | QV, PHY | 1.09 | 87 | R614123 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☑ |
| 335.58 | 336.32 | 0.74 | PHY | 0.74 | 100 | R614124 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 336.32 | 336.74 | 0.42 | PHY | 0.40 | 95 | R614125 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 336.74 | 339.24 | 2.50 | PHY | 2.40 | 96 | R614126 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 339.24 | 342.29 | 3.05 | PHY | 2.85 | 93 | R614127 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 342.29 | 344.50 | 2.21 | PHY | 2.21 | 100 | R614128 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 344.50 | 344.80 | 0.30 | PHY | 0.30 | 100 | R614129 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 344.80 | 345.34 | 0.54 | PHY | 0.49 | 91 | R614131 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 345.34 | 348.39 | 3.05 | PHY | 3.02 | 99 | R614132 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 348.39 | 351.43 | 3.04 | PHY | 3.00 | 99 | R614133 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 351.43 | 353.24 | 1.81 | PHY | 1.80 | 99 | R614134 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 351.43 | 353.24 | 1.81 | PHY | 1.81 | 100 | R614135 | ☐ | R20-D50 | Core | | ☐ | ☑ | ☐ |
| 353.24 | 353.66 | 0.42 | PHY | 0.39 | 93 | R614136 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 353.66 | 354.48 | 0.82 | PHY | 0.82 | 100 | R614137 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 354.48 | 356.45 | 1.97 | PHY | 1.90 | 96 | R614138 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 356.45 | 356.88 | 0.43 | PHY | 0.42 | 98 | R614139 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 356.88 | 359.05 | 2.17 | PHY | 2.17 | 100 | R614140 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 359.05 | 361.42 | 2.37 | PHY | 2.35 | 99 | R614141 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 361.42 | 362.35 | 0.93 | PHY | 0.89 | 96 | R614142 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 362.35 | 362.81 | 0.46 | PHY | 0.46 | 100 | R614143 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 362.81 | 365.15 | 2.34 | PHY | 2.24 | 96 | R614144 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 365.15 | 366.20 | 1.05 | PHY | 0.70 | 67 | R614145 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 366.20 | 367.78 | 1.58 | PHY | 0.72 | 46 | R614146 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 367.78 | 368.66 | 0.88 | QV | 0.80 | 91 | R614147 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 368.66 | 369.72 | 1.06 | QV | 1.06 | 100 | R614166 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 369.72 | 371.17 | 1.45 | QV | 1.45 | 100 | R614148 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 371.17 | 372.84 | 1.67 | QV | 1.67 | 100 | R614167 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 372.84 | 374.29 | 1.45 | PHY | 1.45 | 100 | R614149 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 374.29 | 375.53 | 1.24 | PHY | 1.24 | 100 | R614150 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 375.53 | 376.45 | 0.92 | PHY | 0.88 | 96 | R614151 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 376.45 | 378.10 | 1.65 | PHY | 1.55 | 94 | R614153 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 378.10 | 378.30 | 0.20 | PHY | 0.20 | 100 | R614154 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 378.30 | 380.39 | 2.09 | PHY | 2.09 | 100 | R614155 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 380.39 | 381.58 | 1.19 | PHY | 1.19 | 100 | R614156 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 381.58 | 383.74 | 2.16 | PHY | 2.16 | 100 | R614157 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 383.74 | 384.70 | 0.96 | PHY | 0.96 | 100 | R614158 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 384.70 | 384.98 | 0.28 | PHY | 0.26 | 93 | R614160 | ☐ | R20-D50 | Core | | ☐ | ☐ | ☐ |
| 384.98 | 386.49 | 1.51 | PHY | 1.41 | 93 | R614161 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 386.49 | 389.53 | 3.04 | PHY | 3.04 | 100 | R614162 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 389.53 | 390.75 | 1.22 | PHY | 1.22 | 100 | R614163 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 390.75 | 391.06 | 0.31 | PHY | 0.29 | 94 | R614164 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 391.06 | 392.58 | 1.52 | PHY | 1.52 | 100 | R614165 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 392.58 | 393.39 | 0.81 | PHY | 0.81 | 100 | R614168 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 393.39 | 394.00 | 0.61 | PHY | 0.61 | 100 | R614169 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 394.00 | 395.63 | 1.63 | PHY | 1.63 | 100 | R614170 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 395.63 | 396.57 | 0.94 | PHY | 0.85 | 90 | R614172 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 396.57 | 396.86 | 0.29 | PHY | 0.24 | 83 | R614173 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 396.86 | 397.79 | 0.93 | PHY | 0.93 | 100 | R614174 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 397.79 | 398.28 | 0.49 | PHY | 0.49 | 100 | R614175 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 398.28 | 399.42 | 1.14 | PHY | 1.06 | 93 | R614176 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 399.42 | 399.65 | 0.23 | PHY | 0.22 | 96 | R614177 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 399.65 | 400.27 | 0.62 | PHY | 0.62 | 100 | R614178 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 400.27 | 400.42 | 0.15 | PHY | 0.15 | 100 | R614179 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 400.42 | 401.00 | 0.58 | PHY | 0.58 | 100 | R614181 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 401.00 | 403.00 | 2.00 | PHY, PHY | 1.97 | 99 | R614182 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 403.00 | 404.77 | 1.77 | PHY | 1.77 | 100 | R614183 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 404.77 | 405.32 | 0.55 | PHY | 0.55 | 100 | R614184 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 405.32 | 406.10 | 0.78 | PHY | 0.78 | 100 | R614185 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 405.32 | 406.10 | 0.78 | PHY | 0.78 | 100 | R614186 | ☐ | R20-D51 | | | ☐ | ☑ | ☐ |
| 406.10 | 407.00 | 0.90 | PHY | 0.90 | 100 | R614187 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 407.00 | 407.82 | 0.82 | PHY | 0.82 | 100 | R614188 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 407.82 | 409.33 | 1.51 | PHY | 1.51 | 100 | R614189 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 409.33 | 409.56 | 0.23 | PHY | 0.22 | 96 | R614190 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 409.56 | 410.87 | 1.31 | PHY | 1.31 | 100 | R614191 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 410.87 | 411.51 | 0.64 | PHY | 0.64 | 100 | R614192 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 411.51 | 412.10 | 0.59 | PHY | 0.59 | 100 | R614193 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 412.10 | 412.26 | 0.16 | PHY | 0.16 | 100 | R614194 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 412.10 | 412.26 | 0.16 | PHY | 0.16 | 100 | R614195 | ☐ | R20-D51 | | | ☐ | ☐ | ☑ |
| 412.26 | 413.70 | 1.44 | PHY | 1.34 | 93 | R614196 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 413.70 | 414.41 | 0.71 | PHY | 0.70 | 99 | R614197 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 414.41 | 414.66 | 0.25 | PHY | 0.25 | 100 | R614198 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 414.66 | 415.11 | 0.45 | PHY | 0.44 | 98 | R614199 | ☐ | R20-D51 | | | ☐ | ☐ | ☐ |
| 415.11 | 415.40 | 0.29 | PHY | 0.27 | 93 | R615301 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 415.40 | 416.97 | 1.57 | PHY | 1.54 | 98 | R615303 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 416.97 | 418.46 | 1.49 | PHY | 1.46 | 98 | R615304 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 418.46 | 419.43 | 0.97 | PHY | 0.97 | 100 | R615305 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 419.43 | 419.62 | 0.19 | PHY | 0.19 | 100 | R615306 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 419.43 | 419.62 | 0.19 | PHY | 0.19 | 100 | R615307 | ☐ | R20-D53 | Core | | ☐ | ☐ | ✔ |
| 419.62 | 420.01 | 0.39 | PHY | 0.39 | 100 | R615308 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 420.01 | 421.51 | 1.50 | PHY | 1.48 | 99 | R615309 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 421.51 | 421.98 | 0.47 | PHY | 0.47 | 100 | R615310 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 421.98 | 422.34 | 0.36 | PHY | 0.36 | 100 | R615311 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 422.34 | 423.06 | 0.72 | PHY | 0.72 | 100 | R615312 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 423.06 | 423.64 | 0.58 | PHY | 0.57 | 98 | R615313 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 423.64 | 424.21 | 0.57 | PHY | 0.57 | 100 | R615314 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 424.21 | 424.50 | 0.29 | PHY | 0.29 | 100 | R615315 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 424.50 | 426.11 | 1.61 | PHY | 1.61 | 100 | R615316 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 426.11 | 426.59 | 0.48 | PHY | 0.47 | 98 | R615317 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 426.59 | 426.93 | 0.34 | PHY | 0.34 | 100 | R615318 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 426.93 | 427.37 | 0.44 | PHY | 0.44 | 100 | R615319 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 427.37 | 428.89 | 1.52 | PHY | 1.52 | 100 | R615321 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 428.89 | 430.44 | 1.55 | PHY | 1.54 | 99 | R615322 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 430.44 | 431.19 | 0.75 | PHY | 0.71 | 95 | R615323 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 431.19 | 433.04 | 1.85 | PHY | 1.85 | 100 | R615324 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 433.04 | 434.33 | 1.29 | PHY | 1.29 | 100 | R615325 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 434.33 | 434.64 | 0.31 | PHY | 0.31 | 100 | R615326 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 434.64 | 435.25 | 0.61 | PHY | 0.56 | 92 | R615327 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 435.25 | 435.72 | 0.47 | PHY | 0.47 | 100 | R615328 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 435.25 | 435.72 | 0.47 | PHY | 0.47 | 100 | R615329 | ☐ | R20-D53 | Core | | ☐ | ☑ | ☐ |
| 435.72 | 435.98 | 0.26 | PHY | 0.26 | 100 | R615330 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 435.98 | 436.11 | 0.13 | PHY | 0.13 | 100 | R615331 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 436.11 | 436.64 | 0.53 | PHY | 0.53 | 100 | R615332 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 436.64 | 438.30 | 1.66 | PHY | 1.46 | 88 | R615333 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 438.30 | 439.73 | 1.43 | PHY | 1.42 | 99 | R615334 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 439.73 | 441.35 | 1.62 | PHY | 1.62 | 100 | R615335 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 441.35 | 443.08 | 1.73 | PHY | 1.73 | 100 | R615336 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 443.08 | 444.40 | 1.32 | PHY | 1.20 | 91 | R615337 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 444.40 | 447.03 | 2.63 | PHY | 2.61 | 99 | R615339 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 447.03 | 447.45 | 0.42 | PHY | 0.42 | 100 | R615340 | ☐ | R20-D53 | Core | | ☐ | ☐ | ☐ |
| 447.45 | 450.49 | 3.04 | PHY | 3.00 | 99 | R615341 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 450.49 | 451.90 | 1.41 | PHY | 1.41 | 100 | R615342 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 451.90 | 452.72 | 0.82 | PHY | 0.82 | 100 | R615343 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 452.72 | 453.73 | 1.01 | PHY | 1.01 | 100 | R615344 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 453.73 | 454.63 | 0.90 | PHY | 0.90 | 100 | R615345 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 454.63 | 455.49 | 0.86 | PHY | 0.86 | 100 | R615346 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 455.49 | 456.59 | 1.10 | PHY | 1.05 | 95 | R615347 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 456.59 | 457.46 | 0.87 | PHY | 0.82 | 94 | R615348 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 457.46 | 459.42 | 1.96 | PHY | 1.96 | 100 | R615349 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 459.42 | 459.64 | 0.22 | PHY | 0.19 | 86 | R615350 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 459.64 | 462.24 | 2.60 | PHY | 2.60 | 100 | R615352 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 462.24 | 462.65 | 0.41 | PHY | 0.41 | 100 | R615353 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 462.65 | 463.18 | 0.53 | PHY | 0.48 | 91 | R615354 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 463.18 | 464.82 | 1.64 | PHY | 1.51 | 92 | R615356 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 464.82 | 466.63 | 1.81 | PHY | 1.77 | 98 | R615357 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 466.63 | 468.78 | 2.15 | PHY | 2.06 | 96 | R615358 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 468.78 | 471.83 | 3.05 | PHY, PHY | 3.05 | 100 | R615359 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 471.83 | 474.88 | 3.05 | PHY | 3.05 | 100 | R615361 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 474.88 | 475.58 | 0.70 | PHY | 0.70 | 100 | R615362 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 475.58 | 476.00 | 0.42 | PHY | 0.29 | 69 | R615363 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 475.58 | 476.00 | 0.42 | PHY | 0.29 | 69 | R615364 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☑ |
| 476.00 | 477.14 | 1.14 | PHY | 1.04 | 91 | R615365 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 477.14 | 477.93 | 0.79 | PHY | 0.78 | 99 | R615366 | ☐ | R20-D56 | Core | | ☐ | ☐ | ☐ |
| 477.14 | 477.93 | 0.79 | PHY | 0.78 | 99 | R615367 | ☐ | R20-D56 | Core | | ☐ | ☑ | ☐ |

# Sample Results



| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D43 | R614032 | 0.00 | 0.00 | 1.49 | 68 | 226 | 1580 | 2750.0 | 2 | 12.80 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D35 | R613885 | 0.00 | 0.00 | 5.22 | 12 | 2070 | 780 | 2090.0 | 4 | 7.10 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D56 | R615360 | 0.00 | 0.00 | 0.85 | 73 | 510 | 377 | 819.0 | 2 | 10.40 | ☐ | ☐ | ☐ | ☑ P6C | STD GS-P6C |
| R20-D33 | R613855 | 0.00 | 0.00 | 4.97 | 18 | 2210 | 852 | 2240.0 | 4 | 7.10 | ☐ | ☐ | ☐ | ☑ GS-5X | STD GS-5X |
| R20-D51 | R614171 | 0.00 | 0.00 | 0.84 | 69 | 501 | 368 | 830.0 | 2 | 9.90 | ☐ | ☐ | ☐ | ☑ P6C | STD P6C |
| R20-D31 | R613839 | 0.00 | 0.00 | 0.01 | 0 | 1 | 0 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D38 | R613926 | 0.00 | 0.00 | 0.66 | 1 | 45 | 124 | 210.0 | 1 | 10.00 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D53 | R615302 | 0.00 | 0.00 | 0.01 | 0 | 2 | 0 | 4.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D56 | R615355 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D35 | R613913 | 0.00 | 0.00 | 0.66 | 1 | 49 | 127 | 207.0 | 1 | 10.30 | ☐ | ☐ | ☐ | ☑ GS-P5E | |
| R20-D51 | R614180 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 3.0 | 0 | 0.20 | ☐ | ☐ | ☑ | ☐ | |
| R20-D38 | R613932 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 4.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D40 | R613989 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 2.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D50 | R614130 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 6.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D33 | R613874 | 0.00 | 0.00 | 1.27 | 65 | 208 | 1420 | 2610.0 | 2 | 11.90 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| R20-D53 | R615338 | 0.00 | 0.00 | 0.81 | 75 | 475 | 352 | 819.0 | 2 | 8.70 | ☐ | ☐ | ☐ | ☑ P6C | |
| R20-D40 | R613968 | 0.00 | 0.00 | 1.34 | 88 | 227 | 1495 | 2850.0 | 2 | 10.00 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D33 | R613853 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 4.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D47 | R614089 | 0.00 | 0.00 | 0.82 | 75 | 497 | 381 | 853.0 | 2 | 9.60 | ☐ | ☐ | ☐ | ☑ P6C | STD P6C |
| R20-D38 | R613950 | 0.00 | 0.00 | 3.43 | 10 | 185 | 35 | 149.0 | 2 | 1.90 | ☐ | ☐ | ☐ | ☑ GS-3Q | STD GS-3Q |
| R20-D40 | R613998 | 0.00 | 0.00 | 3.36 | 6 | 187 | 35 | 149.0 | 2 | 2.30 | ☐ | ☐ | ☐ | ☑ GS-3Q | |
| R20-D47 | R614104 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 3.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D43 | R614014 | 0.00 | 0.00 | 5.13 | 12 | 2100 | 772 | 2100.0 | 4 | 8.80 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D31 | R613834 | 0.00 | 0.00 | 0.62 | 1 | 42 | 123 | 214.0 | 1 | 13.00 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D47 | R614118 | 0.00 | 0.00 | 1.34 | 75 | 213 | 1460 | 2650.0 | 2 | 16.00 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |
| | | 0.00 | 0.31 | | | | | | | | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614159 | 0.00 | 0.00 | 5.16 | 13 | 2180 | 845 | 2160.0 | 4 | 7.60 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D45 | R614060 | 0.00 | 0.00 | 1.43 | 66 | 212 | 1460 | 2700.0 | 2 | 9.50 | ☐ | ☐ | ☐ | ☑ GS-1X | STD GS-1X |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D35 | R613895 | 0.00 | 0.00 | 0.01 | 0 | 3 | 1 | 4.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D56 | R615351 | 0.00 | 0.00 | 0.78 | 65 | 501 | 368 | 810.0 | 2 | 11.10 | ☐ | ☐ | ☐ | ☑ P6C | STD GS-P6C |
| R20-D45 | R614064 | 0.00 | 0.00 | 0.01 | 0 | 2 | 0 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | BLANK |
| R20-D45 | R614076 | 0.00 | 0.00 | 0.64 | 1 | 44 | 124 | 208.0 | 1 | 10.00 | ☐ | ☐ | ☐ | ☑ GS-P5E | STD GS-P5E |
| R20-D51 | R614200 | 0.00 | 0.00 | 4.97 | 12 | 2130 | 795 | 2090.0 | 4 | 9.70 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D43 | R614007 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 4.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D53 | R615320 | 0.00 | 0.00 | 5.16 | 11 | 2110 | 807 | 2140.0 | 4 | 6.90 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D50 | R614152 | 0.00 | 0.00 | 3.47 | 6 | 181 | 34 | 148.0 | 2 | 2.00 | ☐ | ☐ | ☐ | ☑ GS-3Q | |
| R20-D31 | R613818 | 0.31 | 1.55 | 0.33 | 1 | 13 | 16 | 34.0 | 14 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613819 | 1.55 | 3.68 | 0.44 | 0 | 6 | 15 | 20.0 | 16 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613820 | 3.68 | 4.30 | 2.98 | 0 | 2 | 29 | 8.0 | 23 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613821 | 3.68 | 4.30 | 2.38 | 0 | 2 | 17 | 7.0 | 28 | 8.10 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate |
| R20-D31 | R613822 | 4.30 | 5.64 | 0.47 | 1 | 5 | 5 | 15.0 | 16 | 6.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613823 | 5.64 | 6.90 | 0.03 | 0 | 3 | 2 | 18.0 | 16 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613824 | 6.90 | 7.20 | 0.05 | 0 | 2 | 3 | 20.0 | 9 | 2.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D31 | R613825 | 7.20 | 8.53 | 0.02 | 0 | 3 | 2 | 19.0 | 18 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613826 | 8.53 | 9.41 | 0.03 | 0 | 3 | 2 | 14.0 | 16 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613827 | 9.41 | 9.56 | 0.07 | 0 | 3 | 2 | 13.0 | 17 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613828 | 9.56 | 10.06 | 0.04 | 0 | 3 | 2 | 14.0 | 20 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613829 | 10.06 | 10.30 | 0.29 | 0 | 4 | 3 | 12.0 | 20 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613830 | 10.30 | 11.58 | 0.12 | 0 | 2 | 2 | 12.0 | 19 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613831 | 11.58 | 13.11 | 0.03 | 0 | 1 | 2 | 13.0 | 16 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613832 | 13.11 | 13.53 | 0.03 | 0 | 1 | 2 | 12.0 | 16 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613833 | 13.53 | 13.91 | 0.11 | 0 | 4 | 2 | 14.0 | 19 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613835 | 13.91 | 14.24 | 0.07 | 0 | 2 | 2 | 13.0 | 23 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613836 | 14.24 | 14.39 | 0.04 | 0 | 2 | 2 | 25.0 | 14 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613837 | 14.39 | 14.72 | 0.01 | 0 | 2 | 2 | 11.0 | 21 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613838 | 14.72 | 15.00 | 0.08 | 0 | 4 | 3 | 8.0 | 21 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D31 | R613840 | 15.00 | 16.02 | 0.15 | 0 | 3 | 3 | 7.0 | 27 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613841 | 16.02 | 16.20 | 2.53 | 0 | 9 | 7 | 10.0 | 20 | 4.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D33 | R613842 | 16.20 | 16.48 | 0.19 | 0 | 4 | 3 | 5.0 | 52 | 11.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613843 | 16.48 | 17.82 | 4.81 | 1 | 6 | 7 | 5.0 | 43 | 11.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613844 | 17.82 | 18.81 | 0.09 | 0 | 3 | 2 | 9.0 | 22 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613845 | 18.81 | 19.00 | 0.06 | 0 | 3 | 2 | 12.0 | 17 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613846 | 19.00 | 20.20 | 0.05 | 0 | 3 | 2 | 11.0 | 21 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613847 | 20.20 | 20.82 | 0.18 | 0 | 18 | 2 | 9.0 | 27 | 8.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613848 | 20.82 | 21.45 | 0.06 | 0 | 2 | 2 | 9.0 | 25 | 6.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613849 | 21.45 | 22.25 | 0.13 | 0 | 5 | 2 | 24.0 | 12 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613850 | 22.25 | 22.71 | 0.09 | 0 | 5 | 2 | 10.0 | 23 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613851 | 22.71 | 23.06 | 0.02 | 0 | 7 | 4 | 11.0 | 17 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613852 | 23.06 | 23.30 | 0.21 | 0 | 7 | 4 | 5.0 | 3 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613854 | 23.30 | 23.57 | 0.01 | 0 | 13 | 3 | 12.0 | 19 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613856 | 23.57 | 23.90 | 0.40 | 0 | 18 | 4 | 10.0 | 20 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613857 | 23.90 | 24.70 | 0.04 | 0 | 19 | 3 | 12.0 | 22 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613858 | 24.70 | 24.90 | 0.03 | 0 | 11 | 2 | 13.0 | 19 | 4.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D33 | R613859 | 24.90 | 25.30 | 0.06 | 0 | 8 | 1 | 13.0 | 22 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613860 | 25.30 | 25.40 | 0.12 | 0 | 76 | 2 | 8.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613861 | 25.40 | 26.14 | 0.04 | 0 | 52 | 3 | 15.0 | 18 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613862 | 26.14 | 26.82 | 0.02 | 0 | 21 | 2 | 19.0 | 17 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613863 | 26.82 | 28.35 | 0.03 | 0 | 28 | 2 | 22.0 | 18 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613864 | 28.35 | 29.87 | 0.07 | 0 | 29 | 2 | 24.0 | 17 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613865 | 29.87 | 30.91 | 0.06 | 0 | 17 | 2 | 27.0 | 15 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613866 | 30.91 | 31.09 | 0.06 | 0 | 22 | 2 | 41.0 | 13 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613867 | 31.09 | 31.39 | 0.03 | 0 | 10 | 2 | 51.0 | 14 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613868 | 31.39 | 31.79 | 0.07 | 0 | 32 | 2 | 48.0 | 15 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613869 | 31.79 | 32.19 | 0.01 | 0 | 7 | 1 | 31.0 | 15 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613871 | 32.19 | 32.45 | 0.05 | 0 | 7 | 2 | 32.0 | 16 | 3.30 | ☐ | ☑ | ☐ | ☐ | COARSE REJECT |
| R20-D33 | R613870 | 32.19 | 32.45 | 0.04 | 0 | 8 | 2 | 32.0 | 16 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613872 | 32.45 | 32.92 | 0.02 | 0 | 6 | 2 | 25.0 | 18 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613873 | 32.92 | 33.79 | 0.05 | 0 | 14 | 2 | 18.0 | 18 | 3.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D33 | R613875 | 33.79 | 34.07 | 0.03 | 0 | 5 | 2 | 15.0 | 20 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613876 | 34.07 | 34.20 | 0.16 | 0 | 7 | 2 | 12.0 | 15 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613877 | 34.20 | 34.44 | 0.13 | 0 | 2 | 2 | 11.0 | 32 | 6.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613879 | 34.44 | 35.97 | 0.14 | 0 | 5 | 2 | 11.0 | 25 | 5.80 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate |
| R20-D33 | R613878 | 34.44 | 35.97 | 0.17 | 0 | 5 | 2 | 13.0 | 29 | 6.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D33 | R613880 | 35.97 | 36.35 | 0.11 | 0 | 5 | 2 | 14.0 | 24 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613881 | 36.35 | 37.49 | 0.07 | 0 | 5 | 2 | 20.0 | 24 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613882 | 37.49 | 38.47 | 0.01 | 0 | 1 | 2 | 20.0 | 31 | 6.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613883 | 38.47 | 39.01 | 0.03 | 0 | 2 | 3 | 21.0 | 39 | 8.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613884 | 39.01 | 40.17 | 0.50 | 0 | 18 | 3 | 12.0 | 7 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613886 | 40.17 | 40.63 | 3.19 | 0 | 48 | 3 | 17.0 | 0 | 0.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613887 | 40.63 | 40.80 | 1.48 | 1 | 21 | 2 | 302.0 | 5 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613888 | 40.80 | 41.35 | 3.38 | 1 | 25 | 9 | 26.0 | 18 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613889 | 41.35 | 43.00 | 3.19 | 1 | 16 | 5 | 29.0 | 11 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613890 | 43.00 | 43.35 | 0.26 | 0 | 12 | 3 | 11.0 | 1 | 0.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D35 | R613891 | 43.00 | 43.35 | 0.27 | 0 | 12 | 2 | 11.0 | 1 | 0.20 | ☐ | ☑ | ☐ | ☐ | |
| R20-D35 | R613892 | 43.35 | 44.55 | 0.45 | 0 | 9 | 4 | 22.0 | 5 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613893 | 44.55 | 45.11 | 0.39 | 0 | 4 | 3 | 20.0 | 18 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613894 | 45.11 | 45.30 | 0.92 | 0 | 35 | 3 | 20.0 | 1 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613896 | 45.30 | 46.63 | 0.14 | 0 | 8 | 3 | 21.0 | 15 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613897 | 46.63 | 49.68 | 0.16 | 0 | 14 | 4 | 26.0 | 11 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613898 | 49.68 | 52.73 | 0.04 | 0 | 15 | 3 | 22.0 | 8 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613899 | 52.73 | 53.47 | 0.03 | 0 | 35 | 3 | 29.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613900 | 53.47 | 54.25 | 0.04 | 0 | 53 | 3 | 18.0 | 6 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613901 | 54.25 | 57.30 | 0.06 | 0 | 132 | 4 | 22.0 | 7 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613902 | 57.30 | 58.82 | 0.05 | 0 | 112 | 3 | 22.0 | 7 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613903 | 58.82 | 60.35 | 0.03 | 0 | 69 | 3 | 21.0 | 6 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613904 | 60.35 | 61.87 | | | | | | | | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613905 | 61.87 | 63.40 | 0.03 | 0 | 77 | 4 | 15.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613906 | 63.40 | 64.92 | 0.01 | 0 | 47 | 2 | 13.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D35 | R613907 | 64.92 | 66.45 | 0.01 | 0 | 126 | 4 | 12.0 | 5 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613908 | 66.45 | 67.97 | 0.01 | 0 | 128 | 5 | 14.0 | 4 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613909 | 67.97 | 69.85 | 0.01 | 0 | 52 | 3 | 15.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613910 | 67.97 | 69.85 | 0.01 | 0 | 64 | 4 | 15.0 | 4 | 1.70 | ☑ | ☐ | ☐ | ☐ | |
| R20-D35 | R613911 | 69.85 | 71.32 | 0.01 | 0 | 103 | 3 | 20.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613912 | 71.32 | 71.62 | 0.01 | 0 | 64 | 4 | 25.0 | 3 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613914 | 71.62 | 72.00 | 0.01 | 0 | 35 | 2 | 20.0 | 7 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613915 | 72.00 | 72.20 | 0.01 | 0 | 32 | 2 | 19.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613916 | 72.20 | 73.64 | 0.01 | 0 | 77 | 3 | 18.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613917 | 73.64 | 74.20 | 0.01 | 0 | 42 | 3 | 13.0 | 5 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613918 | 74.20 | 75.16 | 0.01 | 0 | 122 | 3 | 12.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613919 | 75.16 | 76.80 | 0.02 | 0 | 91 | 3 | 57.0 | 3 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D35 | R613920 | 76.80 | 78.64 | 0.01 | 0 | 105 | 4 | 15.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613921 | 78.64 | 80.16 | 0.01 | 0 | 63 | 3 | 14.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613922 | 80.16 | 83.21 | 0.01 | 0 | 77 | 3 | 17.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D38 | R613923 | 83.21 | 85.79 | 0.01 | 0 | 63 | 4 | 19.0 | 5 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613924 | 85.79 | 86.26 | 0.01 | 0 | 38 | 3 | 25.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613925 | 86.26 | 89.31 | 0.01 | 0 | 44 | 4 | 21.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613927 | 89.31 | 92.35 | 0.01 | 0 | 40 | 3 | 24.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613928 | 92.35 | 95.15 | 0.01 | 0 | 46 | 4 | 40.0 | 4 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613929 | 95.15 | 98.20 | 0.01 | 0 | 167 | 6 | 29.0 | 3 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613930 | 98.20 | 99.97 | 0.01 | 0 | 75 | 4 | 18.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613931 | 99.97 | 100.55 | 0.01 | 0 | 320 | 7 | 16.0 | 2 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613933 | 100.55 | 101.32 | 0.01 | 0 | 82 | 4 | 16.0 | 3 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613934 | 101.32 | 101.50 | 0.01 | 0 | 160 | 8 | 22.0 | 2 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613935 | 101.50 | 102.65 | 0.01 | 0 | 70 | 4 | 37.0 | 2 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613936 | 102.65 | 102.83 | 0.02 | 0 | 163 | 3 | 53.0 | 3 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613937 | 102.83 | 103.57 | 0.01 | 0 | 76 | 4 | 21.0 | 3 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613938 | 103.57 | 103.82 | 0.03 | 0 | 475 | 14 | 52.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613939 | 103.57 | 103.82 | 0.02 | 0 | 473 | 15 | 54.0 | 2 | 1.10 | ☐ | ☑ | ☐ | ☐ | COARSE REJECT |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D38 | R613940 | 103.82 | 106.07 | 0.01 | 0 | 89 | 4 | 28.0 | 3 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613941 | 106.07 | 108.80 | 0.02 | 0 | 199 | 7 | 29.0 | 3 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613942 | 108.80 | 109.30 | 0.01 | 0 | 50 | 3 | 17.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613944 | 109.30 | 109.66 | 0.03 | 0 | 477 | 14 | 30.0 | 2 | 0.90 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate |
| R20-D38 | R613943 | 109.30 | 109.66 | 0.01 | 0 | 161 | 6 | 26.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613945 | 109.66 | 110.94 | 0.01 | 0 | 54 | 6 | 18.0 | 2 | 1.10 | ☐ | ☐ | ☐ | ☐ | Long run. 1.79m actual recovery. |
| R20-D38 | R613946 | 110.94 | 111.74 | 0.01 | 0 | 87 | 5 | 33.0 | 2 | 1.20 | ☐ | ☐ | ☐ | ☐ | Long run. 0.95m actual recovery. |
| R20-D38 | R613947 | 111.74 | 111.93 | 0.01 | 0 | 93 | 4 | 55.0 | 2 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613948 | 111.93 | 112.86 | 0.01 | 0 | 50 | 6 | 26.0 | 2 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613949 | 112.86 | 113.38 | 0.01 | 0 | 202 | 7 | 34.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613951 | 113.38 | 115.21 | 0.01 | 0 | 62 | 5 | 24.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613952 | 115.21 | 118.26 | 0.01 | 0 | 91 | 4 | 19.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613953 | 118.26 | 120.30 | 0.01 | 0 | 52 | 5 | 21.0 | 2 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613954 | 120.30 | 120.62 | 0.01 | 0 | 113 | 10 | 40.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613955 | 120.62 | 121.31 | 0.01 | 0 | 112 | 9 | 27.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D38 | R613956 | 121.31 | 123.00 | 0.01 | 4 | 56 | 4 | 20.0 | 4 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613957 | 123.00 | 124.36 | 0.01 | 0 | 92 | 4 | 23.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613958 | 124.36 | 125.88 | 0.01 | 0 | 71 | 4 | 24.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613959 | 125.88 | 127.80 | 0.01 | 0 | 118 | 4 | 18.0 | 4 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D38 | R613960 | 127.80 | 130.45 | 0.01 | 0 | 50 | 3 | 37.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613961 | 130.45 | 131.42 | 0.01 | 0 | 38 | 3 | 17.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613962 | 130.45 | 131.42 | 0.01 | 0 | 38 | 3 | 19.0 | 5 | 1.30 | ☑ | ☐ | ☐ | ☐ | |
| R20-D40 | R613963 | 131.42 | 132.21 | 0.01 | 0 | 31 | 3 | 20.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613964 | 132.21 | 133.50 | 0.01 | 0 | 15 | 3 | 19.0 | 2 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613965 | 133.50 | 136.55 | 0.01 | 0 | 12 | 4 | 25.0 | 2 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613966 | 136.55 | 137.81 | 0.01 | 0 | 28 | 4 | 17.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613967 | 137.81 | 138.07 | 0.03 | 0 | 42 | 4 | 18.0 | 2 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613969 | 138.07 | 141.12 | 0.02 | 0 | 67 | 5 | 20.0 | 3 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613970 | 141.12 | 144.17 | 0.01 | 0 | 62 | 5 | 18.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613971 | 144.17 | 147.22 | 0.02 | 0 | 59 | 5 | 17.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D40 | R613972 | 147.22 | 148.74 | 0.02 | 0 | 59 | 6 | 31.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613973 | 148.74 | 150.38 | 0.02 | 0 | 47 | 6 | 21.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613974 | 150.38 | 151.58 | 0.01 | 0 | 54 | 6 | 24.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613975 | 151.58 | 152.02 | 0.01 | 0 | 48 | 6 | 21.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613976 | 152.02 | 153.31 | 0.01 | 0 | 56 | 7 | 23.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613977 | 153.31 | 156.36 | 0.01 | 0 | 53 | 6 | 21.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613978 | 156.36 | 159.41 | 0.01 | 0 | 44 | 6 | 20.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613979 | 159.41 | 162.46 | 0.01 | 0 | 50 | 5 | 21.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613980 | 162.46 | 163.70 | 0.01 | 0 | 63 | 4 | 16.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613981 | 163.70 | 164.95 | 0.01 | 0 | 150 | 8 | 19.0 | 4 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613982 | 164.95 | 167.03 | 0.01 | 0 | 100 | 4 | 16.0 | 7 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613983 | 167.03 | 170.08 | 0.01 | 0 | 81 | 4 | 18.0 | 6 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613984 | 170.08 | 173.13 | 0.01 | 0 | 97 | 4 | 15.0 | 10 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613985 | 173.13 | 176.44 | 0.03 | 0 | 43 | 3 | 13.0 | 12 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613986 | 176.44 | 177.70 | 0.03 | 0 | 10 | 2 | 10.0 | 18 | 4.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D40 | R613987 | 177.70 | 177.92 | 0.02 | 0 | 4 | 4 | 9.0 | 20 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613988 | 177.92 | 178.95 | 1.05 | 0 | 31 | 2 | 8.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613990 | 178.95 | 179.32 | 0.04 | 0 | 2 | 3 | 8.0 | 22 | 7.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613991 | 179.32 | 180.75 | 0.09 | 0 | 3 | 3 | 9.0 | 20 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613992 | 180.75 | 182.27 | 0.04 | 0 | 3 | 2 | 9.0 | 19 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613993 | 182.27 | 183.11 | 0.02 | 0 | 6 | 3 | 7.0 | 22 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613994 | 183.11 | 183.79 | 0.18 | 0 | 6 | 3 | 13.0 | 18 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613995 | 183.11 | 183.79 | 0.12 | 0 | 5 | 4 | 14.0 | 17 | 4.40 | ☐ | ☑ | ☐ | ☐ | |
| R20-D40 | R613996 | 183.79 | 184.38 | 0.07 | 0 | 5 | 4 | 7.0 | 22 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613997 | 184.38 | 184.69 | 2.12 | 0 | 50 | 5 | 3.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R613999 | 184.69 | 185.32 | 0.33 | 0 | 4 | 3 | 8.0 | 15 | 4.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D40 | R614000 | 185.32 | 186.84 | 0.35 | 0 | 6 | 7 | 9.0 | 19 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614001 | 186.84 | 188.37 | 0.44 | 0 | 7 | 6 | 11.0 | 23 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614002 | 188.37 | 189.89 | 0.22 | 0 | 5 | 5 | 10.0 | 24 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614003 | 189.89 | 191.41 | 0.10 | 0 | 3 | 4 | 9.0 | 28 | 9.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D43 | R614004 | 191.41 | 192.20 | 0.19 | 0 | 10 | 5 | 8.0 | 16 | 7.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614005 | 192.20 | 192.36 | 1.94 | 1 | 30 | 8 | 8.0 | 3 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614006 | 192.36 | 192.94 | 0.22 | 0 | 47 | 3 | 7.0 | 0 | 0.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614008 | 192.94 | 194.46 | 0.13 | 0 | 40 | 9 | 16.0 | 5 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614009 | 194.46 | 195.99 | 0.08 | 0 | 28 | 3 | 12.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614010 | 194.46 | 195.99 | 0.08 | 0 | 25 | 3 | 11.0 | 2 | 0.90 | ☐ | ☑ | ☐ | ☐ | |
| R20-D43 | R614011 | 195.99 | 196.27 | 0.01 | 0 | 37 | 1 | 15.0 | 7 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614012 | 196.27 | 196.60 | 0.01 | 0 | 4 | 1 | 13.0 | 6 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614013 | 196.60 | 197.51 | 0.01 | 0 | 4 | 3 | 12.0 | 3 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614015 | 197.51 | 199.03 | 0.01 | 0 | 10 | 2 | 13.0 | 11 | 7.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614017 | 199.03 | 200.00 | 0.09 | 0 | 18 | 7 | 11.0 | 10 | 5.70 | ☑ | ☐ | ☐ | ☐ | |
| R20-D43 | R614016 | 199.03 | 200.00 | 0.45 | 0 | 16 | 5 | 9.0 | 9 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614018 | 200.00 | 201.00 | 0.01 | 0 | 2 | 2 | 9.0 | 27 | 9.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614019 | 201.00 | 201.88 | 0.06 | 0 | 3 | 2 | 9.0 | 31 | 10.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614020 | 201.88 | 202.54 | 0.16 | 0 | 19 | 4 | 11.0 | 10 | 5.10 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D43 | R614021 | 202.54 | 205.13 | 1.70 | 0 | 4 | 3 | 8.0 | 33 | 9.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614022 | 205.13 | 206.65 | 0.10 | 0 | 22 | 2 | 12.0 | 22 | 6.10 | ☐ | ☐ | ☐ | ☐ | 1.60 recovery in reality |
| R20-D43 | R614023 | 206.65 | 208.17 | 0.13 | 0 | 49 | 2 | 10.0 | 18 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614024 | 208.17 | 209.70 | 0.14 | 0 | 95 | 2 | 24.0 | 17 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614025 | 209.70 | 211.22 | 0.11 | 0 | 38 | 3 | 15.0 | 15 | 4.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614026 | 211.22 | 212.75 | 0.04 | 0 | 69 | 3 | 19.0 | 13 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614027 | 212.75 | 214.27 | 0.03 | 0 | 88 | 4 | 19.0 | 14 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614028 | 214.27 | 215.79 | 0.05 | 0 | 87 | 2 | 39.0 | 12 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614029 | 215.79 | 217.32 | 0.01 | 0 | 23 | 2 | 63.0 | 13 | 4.00 | ☐ | ☐ | ☐ | ☐ | 1.59 in reality |
| R20-D43 | R614030 | 217.32 | 218.00 | 0.01 | 0 | 52 | 2 | 62.0 | 13 | 8.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614031 | 218.00 | 218.19 | 0.12 | 0 | 228 | 2 | 30.0 | 8 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614033 | 218.19 | 219.22 | 0.02 | 0 | 48 | 3 | 43.0 | 13 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614034 | 219.22 | 219.50 | 0.01 | 0 | 55 | 3 | 31.0 | 9 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614035 | 219.50 | 220.37 | 0.01 | 0 | 30 | 2 | 32.0 | 12 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614036 | 220.37 | 221.89 | 0.03 | 0 | 337 | 3 | 21.0 | 8 | 1.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D43 | R614037 | 221.89 | 223.41 | 0.01 | 0 | 140 | 3 | 30.0 | 8 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614038 | 223.41 | 224.94 | 0.01 | 0 | 55 | 3 | 48.0 | 7 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614039 | 224.94 | 226.46 | 0.01 | 0 | 127 | 4 | 29.0 | 8 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D43 | R614040 | 226.46 | 227.99 | 0.01 | 0 | 70 | 3 | 31.0 | 9 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614041 | 227.99 | 231.03 | 0.01 | 0 | 27 | 2 | 36.0 | 6 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614042 | 231.03 | 234.08 | 0.01 | 0 | 17 | 2 | 37.0 | 7 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614043 | 234.08 | 235.85 | 0.01 | 0 | 48 | 3 | 38.0 | 8 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614044 | 235.85 | 236.42 | 0.01 | 0 | 46 | 3 | 41.0 | 8 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614045 | 236.42 | 237.32 | 0.02 | 0 | 69 | 3 | 36.0 | 8 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614046 | 236.42 | 237.32 | 0.01 | 0 | 64 | 3 | 37.0 | 8 | 2.20 | ☐ | ☑ | ☐ | ☐ | |
| R20-D45 | R614047 | 237.32 | 238.60 | 0.01 | 0 | 113 | 4 | 41.0 | 8 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614078 | 238.60 | 238.84 | 0.03 | 0 | 136 | 5 | 59.0 | 6 | 1.70 | ☐ | ☐ | ☐ | ☐ | OUT OF SEQUENCE |
| R20-D45 | R614048 | 238.84 | 240.18 | 0.01 | 0 | 89 | 4 | 42.0 | 8 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614049 | 240.18 | 243.23 | 0.01 | 0 | 201 | 5 | 31.0 | 7 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614050 | 243.23 | 246.27 | 0.01 | 0 | 82 | 4 | 33.0 | 7 | 1.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D45 | R614051 | 246.27 | 249.33 | 0.01 | 0 | 137 | 4 | 35.0 | 8 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614052 | 249.33 | 250.56 | 0.01 | 0 | 88 | 3 | 31.0 | 8 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614053 | 250.56 | 250.75 | 0.02 | 0 | 146 | 4 | 20.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614054 | 250.75 | 252.37 | 0.01 | 0 | 34 | 2 | 28.0 | 7 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614055 | 252.37 | 253.09 | 0.01 | 0 | 25 | 3 | 31.0 | 6 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614056 | 253.09 | 253.86 | 0.01 | 0 | 43 | 2 | 24.0 | 6 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614057 | 253.09 | 253.86 | 0.01 | 0 | 46 | 3 | 23.0 | 6 | 1.90 | ☑ | ☐ | ☐ | ☐ | |
| R20-D45 | R614058 | 253.86 | 255.42 | 0.01 | 0 | 111 | 5 | 28.0 | 8 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614059 | 255.42 | 258.47 | 0.01 | 0 | 43 | 3 | 44.0 | 8 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614061 | 258.47 | 261.52 | 0.07 | 0 | 23 | 3 | 38.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614062 | 261.52 | 264.30 | 0.01 | 0 | 56 | 3 | 16.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614063 | 264.30 | 264.41 | 0.01 | 0 | 73 | 3 | 15.0 | 2 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614065 | 264.41 | 265.85 | 0.01 | 0 | 71 | 3 | 17.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614066 | 265.85 | 266.09 | 0.01 | 0 | 174 | 3 | 15.0 | 2 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614067 | 266.09 | 267.61 | 0.01 | 0 | 75 | 7 | 22.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D45 | R614068 | 267.61 | 269.14 | 0.03 | 0 | 73 | 3 | 27.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614069 | 269.14 | 270.66 | 0.01 | 0 | 88 | 6 | 21.0 | 6 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614070 | 270.66 | 272.19 | 0.01 | 0 | 44 | 2 | 19.0 | 3 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614071 | 272.19 | 273.71 | 0.01 | 0 | 40 | 4 | 21.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614072 | 273.71 | 275.23 | 0.01 | 0 | 45 | 4 | 20.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614073 | 275.23 | 276.76 | 0.01 | 0 | 50 | 10 | 35.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614074 | 276.76 | 278.28 | 0.01 | 0 | 46 | 5 | 28.0 | 2 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614075 | 278.28 | 279.81 | 0.01 | 0 | 30 | 4 | 22.0 | 4 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614077 | 279.81 | 281.33 | 0.01 | 0 | 34 | 4 | 19.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614079 | 281.33 | 284.38 | 0.01 | 0 | 29 | 5 | 23.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D45 | R614080 | 284.38 | 286.18 | 0.02 | 0 | 26 | 4 | 17.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614081 | 286.18 | 287.43 | 0.02 | 0 | 32 | 6 | 21.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614082 | 287.43 | 288.95 | 0.02 | 0 | 26 | 6 | 17.0 | 4 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614083 | 288.95 | 292.00 | 0.08 | 0 | 41 | 6 | 15.0 | 5 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614084 | 292.00 | 295.05 | 0.07 | 0 | 32 | 6 | 24.0 | 4 | 1.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D47 | R614085 | 295.05 | 298.09 | 0.02 | 0 | 52 | 4 | 24.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614086 | 298.09 | 301.14 | 0.01 | 0 | 70 | 3 | 19.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614087 | 301.14 | 304.19 | 0.01 | 0 | 51 | 3 | 19.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614088 | 304.19 | 304.27 | 0.13 | 0 | 323 | 5 | 16.0 | 4 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614090 | 304.27 | 307.24 | 0.01 | 0 | 27 | 2 | 20.0 | 8 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614091 | 307.24 | 310.29 | 0.05 | 0 | 23 | 3 | 22.0 | 10 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614092 | 310.29 | 313.13 | 0.08 | 0 | 20 | 2 | 26.0 | 16 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614093 | 313.13 | 313.22 | 0.20 | 0 | 52 | 2 | 16.0 | 9 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614094 | 313.22 | 314.27 | 0.07 | 0 | 33 | 2 | 9.0 | 22 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614095 | 314.27 | 314.86 | 0.66 | 0 | 62 | 4 | 2.0 | 4 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614096 | 314.86 | 316.38 | 0.67 | 0 | 25 | 4 | 5.0 | 12 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614097 | 314.86 | 316.38 | 0.60 | 0 | 26 | 4 | 5.0 | 12 | 2.00 | ☐ | ☑ | ☐ | ☐ | |
| R20-D47 | R614098 | 316.38 | 317.91 | 0.03 | 0 | 27 | 3 | 8.0 | 22 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614099 | 317.91 | 319.12 | 0.04 | 0 | 13 | 4 | 9.0 | 20 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614100 | 319.12 | 319.51 | 0.23 | 0 | 99 | 2 | 4.0 | 9 | 2.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D47 | R614101 | 319.51 | 320.45 | 0.02 | 0 | 2 | 2 | 10.0 | 38 | 9.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614102 | 320.45 | 321.09 | 1.64 | 0 | 30 | 2 | 11.0 | 15 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614103 | 321.09 | 321.62 | 1.95 | 0 | 36 | 5 | 7.0 | 16 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614105 | 321.62 | 322.23 | 0.03 | 0 | 7 | 3 | 7.0 | 35 | 8.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614106 | 322.23 | 322.48 | 0.12 | 0 | 9 | 2 | 9.0 | 20 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614107 | 322.48 | 323.52 | 0.20 | 0 | 5 | 2 | 8.0 | 21 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614108 | 323.52 | 323.67 | 0.13 | 0 | 2 | 1 | 4.0 | 2 | 0.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614109 | 323.67 | 324.00 | 0.20 | 0 | 8 | 2 | 7.0 | 23 | 6.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614110 | 324.00 | 324.21 | 0.10 | 0 | 10 | 2 | 10.0 | 17 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614111 | 324.00 | 324.21 | 0.12 | 0 | 8 | 2 | 10.0 | 17 | 4.70 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate |
| R20-D47 | R614112 | 324.21 | 325.38 | 0.03 | 0 | 5 | 2 | 7.0 | 31 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614113 | 325.38 | 325.69 | 0.33 | 0 | 7 | 2 | 7.0 | 14 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614114 | 325.69 | 326.35 | 0.88 | 0 | 7 | 3 | 7.0 | 30 | 7.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614115 | 326.35 | 327.18 | 0.46 | 0 | 4 | 2 | 7.0 | 11 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614116 | 327.18 | 329.09 | 0.06 | 0 | 2 | 3 | 7.0 | 26 | 9.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D47 | R614117 | 329.09 | 330.10 | 0.12 | 0 | 8 | 2 | 7.0 | 22 | 6.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614119 | 330.10 | 332.69 | 0.14 | 0 | 4 | 3 | 11.0 | 25 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D47 | R614120 | 332.69 | 333.15 | 0.23 | 0 | 6 | 2 | 9.0 | 23 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614121 | 333.15 | 334.33 | 0.85 | 0 | 20 | 4 | 8.0 | 27 | 7.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614122 | 334.33 | 335.58 | 0.84 | 0 | 31 | 4 | 8.0 | 4 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614123 | 334.33 | 335.58 | 0.94 | 0 | 35 | 4 | 9.0 | 5 | 1.20 | ☐ | ☑ | ☐ | ☐ | Coarse reject |
| R20-D50 | R614124 | 335.58 | 336.32 | 0.09 | 0 | 9 | 3 | 10.0 | 28 | 7.60 | ☐ | ☐ | ☐ | ☐ | 0.80 actual recovery |
| R20-D50 | R614125 | 336.32 | 336.74 | 0.14 | 0 | 11 | 3 | 9.0 | 12 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614126 | 336.74 | 339.24 | 0.14 | 0 | 5 | 3 | 8.0 | 30 | 8.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614127 | 339.24 | 342.29 | 0.11 | 0 | 5 | 4 | 12.0 | 21 | 6.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614128 | 342.29 | 344.50 | 0.18 | 0 | 9 | 7 | 15.0 | 19 | 6.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614129 | 344.50 | 344.80 | 1.76 | 1 | 5 | 5 | 10.0 | 9 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614131 | 344.80 | 345.34 | 0.10 | 0 | 6 | 6 | 11.0 | 19 | 5.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614132 | 345.34 | 348.39 | 0.16 | 0 | 7 | 5 | 12.0 | 17 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614133 | 348.39 | 351.43 | 0.06 | 0 | 38 | 3 | 13.0 | 21 | 5.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D50 | R614135 | 351.43 | 353.24 | 0.03 | 0 | 92 | 4 | 17.0 | 21 | 5.60 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate |
| R20-D50 | R614134 | 351.43 | 353.24 | 0.03 | 0 | 98 | 4 | 14.0 | 21 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614136 | 353.24 | 353.66 | 0.02 | 0 | 147 | 3 | 16.0 | 19 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614137 | 353.66 | 354.48 | 0.02 | 0 | 118 | 5 | 18.0 | 24 | 7.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614138 | 354.48 | 356.45 | 0.05 | 0 | 91 | 3 | 18.0 | 19 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614139 | 356.45 | 356.88 | 0.01 | 0 | 30 | 3 | 17.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614140 | 356.88 | 359.05 | 0.02 | 0 | 81 | 4 | 21.0 | 16 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614141 | 359.05 | 361.42 | 0.01 | 0 | 65 | 3 | 20.0 | 15 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614142 | 361.42 | 362.35 | 0.01 | 0 | 75 | 3 | 31.0 | 16 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614143 | 362.35 | 362.81 | 0.01 | 0 | 126 | 4 | 35.0 | 12 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614144 | 362.81 | 365.15 | 0.02 | 0 | 80 | 7 | 33.0 | 14 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614145 | 365.15 | 366.20 | 0.03 | 0 | 96 | 4 | 21.0 | 9 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614146 | 366.20 | 367.78 | 0.07 | 0 | 32 | 12 | 37.0 | 18 | 7.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614147 | 367.78 | 368.66 | 0.35 | 1 | 8 | 4 | 11.0 | 28 | 14.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614166 | 368.66 | 369.72 | 0.08 | 0 | 11 | 3 | 8.0 | 16 | 8.10 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D50 | R614148 | 369.72 | 371.17 | 0.12 | 0 | 7 | 3 | 10.0 | 32 | 12.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614167 | 371.17 | 372.84 | 0.46 | 0 | 10 | 3 | 8.0 | 34 | 9.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614149 | 372.84 | 374.29 | 0.31 | 0 | 8 | 3 | 9.0 | 40 | 11.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614150 | 374.29 | 375.53 | 0.26 | 0 | 7 | 4 | 9.0 | 25 | 7.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614151 | 375.53 | 376.45 | 0.50 | 0 | 9 | 6 | 12.0 | 16 | 5.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614153 | 376.45 | 378.10 | 0.11 | 0 | 3 | 2 | 7.0 | 23 | 6.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614154 | 378.10 | 378.30 | 0.24 | 0 | 6 | 3 | 10.0 | 6 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614155 | 378.30 | 380.39 | 0.12 | 0 | 19 | 2 | 9.0 | 21 | 6.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614156 | 380.39 | 381.58 | 0.12 | 0 | 86 | 3 | 10.0 | 17 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614157 | 381.58 | 383.74 | 0.17 | 0 | 7 | 2 | 9.0 | 34 | 10.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614158 | 383.74 | 384.70 | 0.53 | 1 | 23 | 7 | 10.0 | 23 | 8.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D50 | R614160 | 384.70 | 384.98 | 0.05 | 0 | 8 | 3 | 10.0 | 33 | 7.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614161 | 384.98 | 386.49 | 0.04 | 0 | 4 | 2 | 9.0 | 36 | 8.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614162 | 386.49 | 389.53 | 0.49 | 0 | 10 | 3 | 10.0 | 22 | 5.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614163 | 389.53 | 390.75 | 0.20 | 0 | 21 | 2 | 11.0 | 19 | 4.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D51 | R614164 | 390.75 | 391.06 | 3.09 | 8 | 53 | 9 | 5.0 | 8 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614165 | 391.06 | 392.58 | 0.09 | 0 | 36 | 3 | 12.0 | 18 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614168 | 392.58 | 393.39 | 0.22 | 0 | 36 | 3 | 12.0 | 20 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614169 | 393.39 | 394.00 | 0.23 | 0 | 20 | 3 | 10.0 | 11 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614170 | 394.00 | 395.63 | 0.14 | 0 | 45 | 3 | 11.0 | 21 | 5.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614172 | 395.63 | 396.57 | 0.02 | 0 | 20 | 4 | 12.0 | 31 | 6.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614173 | 396.57 | 396.86 | 0.17 | 0 | 13 | 4 | 16.0 | 36 | 7.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614174 | 396.86 | 397.79 | 0.07 | 0 | 4 | 3 | 10.0 | 39 | 9.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614175 | 397.79 | 398.28 | 0.11 | 0 | 5 | 3 | 10.0 | 22 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614176 | 398.28 | 399.42 | 0.23 | 0 | 4 | 2 | 8.0 | 26 | 6.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614177 | 399.42 | 399.65 | 1.45 | 0 | 17 | 3 | 6.0 | 18 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614178 | 399.65 | 400.27 | 0.02 | 0 | 2 | 2 | 8.0 | 27 | 8.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614179 | 400.27 | 400.42 | 0.06 | 0 | 34 | 6 | 10.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614181 | 400.42 | 401.00 | 0.02 | 0 | 7 | 3 | 8.0 | 20 | 6.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614182 | 401.00 | 403.00 | 0.04 | 0 | 18 | 2 | 14.0 | 19 | 5.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D51 | R614183 | 403.00 | 404.77 | 0.09 | 0 | 30 | 3 | 20.0 | 16 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614184 | 404.77 | 405.32 | 0.05 | 0 | 140 | 10 | 21.0 | 13 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614186 | 405.32 | 406.10 | 0.02 | 0 | 85 | 11 | 46.0 | 24 | 6.90 | ☑ | ☐ | ☐ | ☐ | |
| R20-D51 | R614185 | 405.32 | 406.10 | 0.02 | 0 | 138 | 7 | 40.0 | 20 | 6.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614187 | 406.10 | 407.00 | 0.01 | 0 | 8 | 2 | 9.0 | 31 | 10.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614188 | 407.00 | 407.82 | 0.06 | 0 | 40 | 2 | 15.0 | 18 | 6.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614189 | 407.82 | 409.33 | 0.16 | 0 | 47 | 3 | 26.0 | 20 | 5.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614190 | 409.33 | 409.56 | 0.23 | 0 | 112 | 4 | 9.0 | 1 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614191 | 409.56 | 410.87 | 0.12 | 0 | 22 | 3 | 52.0 | 17 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614192 | 410.87 | 411.51 | 0.18 | 0 | 39 | 1 | 39.0 | 19 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614193 | 411.51 | 412.10 | 0.06 | 0 | 24 | 2 | 16.0 | 17 | 6.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614194 | 412.10 | 412.26 | 3.89 | 1 | 194 | 11 | 35.0 | 7 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614195 | 412.10 | 412.26 | 3.90 | 1 | 200 | 14 | 44.0 | 7 | 2.20 | ☐ | ☑ | ☐ | ☐ | |
| R20-D51 | R614196 | 412.26 | 413.70 | 0.05 | 0 | 14 | 4 | 16.0 | 27 | 7.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614197 | 413.70 | 414.41 | 0.12 | 0 | 16 | 3 | 47.0 | 40 | 10.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D51 | R614198 | 414.41 | 414.66 | 3.11 | 1 | 138 | 5 | 14.0 | 15 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D51 | R614199 | 414.66 | 415.11 | 0.03 | 0 | 7 | 2 | 8.0 | 23 | 7.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615301 | 415.11 | 415.40 | 7.33 | 1 | 440 | 4 | 8.0 | 3 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615303 | 415.40 | 416.97 | 0.04 | 0 | 34 | 3 | 23.0 | 18 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615304 | 416.97 | 418.46 | 0.05 | 0 | 36 | 3 | 21.0 | 15 | 5.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615305 | 418.46 | 419.43 | 0.01 | 0 | 26 | 4 | 16.0 | 14 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615307 | 419.43 | 419.62 | 0.17 | 0 | 674 | 8 | 15.0 | 7 | 2.30 | ☐ | ☑ | ☐ | ☐ | |
| R20-D53 | R615306 | 419.43 | 419.62 | 0.13 | 0 | 621 | 8 | 16.0 | 7 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615308 | 419.62 | 420.01 | 0.03 | 0 | 19 | 8 | 29.0 | 14 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615309 | 420.01 | 421.51 | 0.10 | 0 | 47 | 3 | 42.0 | 17 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615310 | 421.51 | 421.98 | 0.12 | 0 | 58 | 4 | 34.0 | 17 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615311 | 421.98 | 422.34 | 0.06 | 0 | 25 | 5 | 21.0 | 17 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615312 | 422.34 | 423.06 | 0.10 | 0 | 36 | 3 | 33.0 | 16 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615313 | 423.06 | 423.64 | 0.06 | 0 | 86 | 7 | 33.0 | 13 | 7.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615314 | 423.64 | 424.21 | 0.48 | 0 | 104 | 7 | 41.0 | 11 | 4.90 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D53 | R615315 | 424.21 | 424.50 | 0.17 | 0 | 34 | 10 | 31.0 | 3 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615316 | 424.50 | 426.11 | 0.01 | 0 | 65 | 12 | 32.0 | 12 | 4.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615317 | 426.11 | 426.59 | 0.03 | 0 | 48 | 7 | 30.0 | 9 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615318 | 426.59 | 426.93 | 0.01 | 0 | 26 | 9 | 32.0 | 21 | 5.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615319 | 426.93 | 427.37 | 0.01 | 0 | 137 | 7 | 26.0 | 13 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615321 | 427.37 | 428.89 | 0.15 | 0 | 86 | 11 | 26.0 | 13 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615322 | 428.89 | 430.44 | 0.01 | 0 | 71 | 8 | 41.0 | 13 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615323 | 430.44 | 431.19 | 0.02 | 0 | 55 | 3 | 22.0 | 13 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615324 | 431.19 | 433.04 | 0.01 | 0 | 74 | 8 | 23.0 | 11 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615325 | 433.04 | 434.33 | 0.01 | 0 | 70 | 7 | 32.0 | 12 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615326 | 434.33 | 434.64 | 0.01 | 0 | 111 | 9 | 31.0 | 11 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615327 | 434.64 | 435.25 | 0.02 | 0 | 62 | 11 | 37.0 | 7 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615329 | 435.25 | 435.72 | 0.01 | 0 | 53 | 12 | 45.0 | 11 | 3.30 | ☑ | ☐ | ☐ | ☐ | |
| R20-D53 | R615328 | 435.25 | 435.72 | 0.01 | 0 | 44 | 12 | 65.0 | 12 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615330 | 435.72 | 435.98 | 0.01 | 0 | 63 | 20 | 44.0 | 12 | 3.40 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D53 | R615331 | 435.98 | 436.11 | 0.11 | 0 | 77 | 14 | 20.0 | 3 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615332 | 436.11 | 436.64 | 0.12 | 0 | 64 | 14 | 32.0 | 11 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615333 | 436.64 | 438.30 | 0.01 | 0 | 59 | 8 | 33.0 | 10 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615334 | 438.30 | 439.73 | 0.01 | 0 | 44 | 15 | 43.0 | 11 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615335 | 439.73 | 441.35 | 0.02 | 0 | 52 | 6 | 27.0 | 11 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615336 | 441.35 | 443.08 | 0.02 | 0 | 60 | 8 | 36.0 | 10 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615337 | 443.08 | 444.40 | 0.01 | 0 | 50 | 16 | 37.0 | 10 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615339 | 444.40 | 447.03 | 0.05 | 0 | 35 | 10 | 32.0 | 8 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D53 | R615340 | 447.03 | 447.45 | 0.02 | 0 | 96 | 8 | 35.0 | 10 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615341 | 447.45 | 450.49 | 0.02 | 0 | 89 | 10 | 33.0 | 9 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615342 | 450.49 | 451.90 | 0.01 | 0 | 50 | 14 | 45.0 | 11 | 2.60 | ☐ | ☐ | ☐ | ☐ | 1.60 actual recovery |
| R20-D56 | R615343 | 451.90 | 452.72 | 0.01 | 0 | 147 | 9 | 39.0 | 9 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615344 | 452.72 | 453.73 | 0.03 | 0 | 97 | 10 | 28.0 | 11 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615345 | 453.73 | 454.63 | 0.03 | 0 | 128 | 12 | 23.0 | 11 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615346 | 454.63 | 455.49 | 0.02 | 0 | 135 | 22 | 39.0 | 11 | 3.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D56 | R615347 | 455.49 | 456.59 | 0.03 | 0 | 84 | 13 | 46.0 | 13 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615348 | 456.59 | 457.46 | 0.01 | 0 | 58 | 8 | 25.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615349 | 457.46 | 459.42 | 0.01 | 0 | 87 | 8 | 36.0 | 12 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615350 | 459.42 | 459.64 | 0.07 | 0 | 91 | 11 | 62.0 | 6 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615352 | 459.64 | 462.24 | 0.01 | 0 | 94 | 9 | 35.0 | 12 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615353 | 462.24 | 462.65 | 0.03 | 0 | 95 | 7 | 27.0 | 10 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615354 | 462.65 | 463.18 | 0.05 | 0 | 92 | 5 | 23.0 | 13 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615356 | 463.18 | 464.82 | 0.05 | 0 | 45 | 13 | 85.0 | 14 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615357 | 464.82 | 466.63 | 0.01 | 0 | 39 | 8 | 50.0 | 15 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615358 | 466.63 | 468.78 | 0.03 | 0 | 110 | 10 | 42.0 | 12 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615359 | 468.78 | 471.83 | 0.01 | 0 | 65 | 10 | 42.0 | 12 | 3.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615361 | 471.83 | 474.88 | 0.01 | 0 | 114 | 9 | 46.0 | 12 | 3.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615362 | 474.88 | 475.58 | 0.01 | 0 | 128 | 10 | 37.0 | 11 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615363 | 475.58 | 476.00 | 0.24 | 0 | 194 | 9 | 29.0 | 11 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615364 | 475.58 | 476.00 | 0.15 | 0 | 190 | 9 | 28.0 | 10 | 2.60 | ☐ | ☑ | ☐ | ☐ | COARSE REJECT |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D56 | R615365 | 476.00 | 477.14 | 0.01 | 0 | 143 | 13 | 54.0 | 10 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D56 | R615367 | 477.14 | 477.93 | 0.04 | 0 | 170 | 9 | 52.0 | 9 | 2.20 | ☑ | ☐ | ☐ | ☐ | 1/4 Duplicate - EOH |
| R20-D56 | R615366 | 477.14 | 477.93 | 0.02 | 0 | 140 | 11 | 65.0 | 9 | 2.20 | ☐ | ☐ | ☐ | ☐ | |

# Tiger - Rau

Archer,Cathro & Associates (1981) Limited

| Grid East | Grid North | Easting | Northing | Elevation | Depth (m) |
|---|---|---|---|---|---|
| | | 531704 | 7114564 | 1211 | 315.07 |

**ZONE:** Airstrip

**SECTION:**

**HOLE: AS -20-006**

**CLAIM:**

Contractor: Superior

Drill: 3

Core Size: HQ3

Casing Depth:

Drilling Dates: Sep 23 - Oct 30, 2020

Geology Logged By: I. Betts

| SURVEY | | | |
|---|---|---|---|
| Depth (m) | Azimuth | Dip | Method |
| 0 | 210.2 | -50 | Reflex |
| 314.55 | 205.66 | -42.8 | Reflex |

**TARGET:**

| SUMMARY | | | |
|---|---|---|---|
| From (m) | To (m) | Interval (m) | Rock Type |
| 0 | 10.26 | 10.26 | OVB |
| 10.26 | 39.12 | 28.86 | PHY |
| 39.12 | 51 | 11.88 | PHY |
| 51 | 52 | 1 | PHY |
| 52 | 64.11 | 12.11 | PHY |
| 64.11 | 75.44 | 11.33 | PHY |
| 75.44 | 75.81 | 0.37 | QV |
| 75.81 | 80.17 | 4.36 | PHY |
| 80.17 | 80.75 | 0.58 | QV |
| 80.75 | 87.48 | 6.73 | PHY |
| 87.48 | 90.53 | 3.05 | FLR |
| 90.53 | 117.39 | 26.86 | PHY |
| 117.39 | 121.88 | 4.49 | PHY |
| 121.88 | 126.34 | 4.46 | FLR |
| 126.34 | 127.88 | 1.54 | QV |
| 127.88 | 140.82 | 12.94 | FLR |

| SAMPLES | |
|---|---|
| Numbers: | W231351 to W231500, W232851 to W232879, W233870 to W234000 |
| Total: | 310 |
| Batch: | D44, D46, D48, D49, D52, D54, D55, D57, D58 |
| Certificates: | WH20227718, WH20227730, WH20228431, WH20228432, WH20228437, WH20228448, WH20228452, WH20229586, WH20229591, WH20303192, WH21003526 |

**COMMENTS**

Hole ended at target depth at end of seaon.

| | | | |
|---|---|---|---|
| 140.82 | 142.72 | 1.9 | PHY |
| 142.72 | 143.6 | 0.88 | QV |
| 143.6 | 151.45 | 7.85 | PHY |
| 151.45 | 152.4 | 0.95 | QV |
| 152.4 | 153.51 | 1.11 | PHY |
| 153.51 | 154.15 | 0.64 | QV |
| 154.15 | 181.32 | 27.17 | PHY |
| 181.32 | 195.31 | 13.99 | PHY |
| 195.31 | 195.73 | 0.42 | QV |
| 195.73 | 198.96 | 3.23 | PHY |
| 198.96 | 199.21 | 0.25 | QV |
| 199.21 | 214.69 | 15.48 | PHY |
| 214.69 | 221.78 | 7.09 | PHY |
| 221.78 | 231.03 | 9.25 | PHY |
| 231.03 | 261.65 | 30.62 | PHY |
| 261.65 | 269.5 | 7.85 | PHY |
| 269.5 | 276.45 | 6.95 | PHY |
| 276.45 | 292.54 | 16.09 | PHY |
| 292.54 | 315.07 | 22.53 | PHY |

# AS -20-006



| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233915 | ☐ | R20-D46 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233989 | ☐ | R20-D49 | Core | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233985 | ☐ | R20-D49 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233979 | ☐ | R20-D49 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233958 | ☐ | R20-D48 | Core | P6C | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231358 | ☐ | R20-D52 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233925 | ☐ | R20-D48 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233891 | ☐ | R20-D46 | Core | P6C | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233886 | ☐ | R20-D46 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233875 | ☐ | R20-D44 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W232879 | ☐ | R20-D58 | Core | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W232876 | ☐ | R20-D58 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231365 | ☐ | R20-D52 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231486 | ☐ | R20-D57 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231482 | ☐ | R20-D57 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231474 | ☐ | R20-D57 | Core | GS-5X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231459 | ☐ | R20-D55 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231446 | ☐ | R20-D55 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W233928 | ☐ | R20-D48 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231444 | ☐ | R20-D55 | Core | GS-1X | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231415 | ☐ | R20-D54 | Core | GS-3Q | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231412 | ☐ | R20-D54 | Core | | ☑ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231405 | ☐ | R20-D54 | Core | P6C | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W231370 | ☐ | R20-D52 | Core | GS-3Q | ☐ | ☐ | ☐ |
| 0.00 | 0.00 | 0.00 | -QC- | 0.00 | 0 | W232870 | ☐ | R20-D58 | Core | GS-1X | ☐ | ☐ | ☐ |
| 10.26 | 12.40 | 2.14 | OVB, PHY | 1.94 | 91 | W233870 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.40 | 13.06 | 0.66 | PHY | 0.66 | 100 | W233871 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 13.06 | 14.33 | 1.27 | PHY | 1.09 | 86 | W233872 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 14.33 | 15.41 | 1.08 | PHY | 1.08 | 100 | W233873 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 15.41 | 15.85 | 0.44 | PHY | 0.44 | 100 | W233874 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 15.85 | 16.92 | 1.07 | PHY | 1.02 | 95 | W233876 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 16.92 | 17.37 | 0.45 | PHY | 0.40 | 89 | W233877 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 17.37 | 18.90 | 1.53 | PHY | 1.51 | 99 | W233878 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 18.90 | 20.00 | 1.10 | PHY | 0.88 | 80 | W233879 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 20.00 | 21.95 | 1.95 | PHY | 1.70 | 87 | W233880 | ☐ | R20-D44 | Core | | ☐ | ☐ | ☐ |
| 21.95 | 22.92 | 0.97 | PHY | 0.80 | 82 | W233881 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 22.92 | 24.99 | 2.07 | PHY | 1.92 | 93 | W233882 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 24.99 | 25.73 | 0.74 | PHY | 0.74 | 100 | W233883 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 25.73 | 26.52 | 0.79 | PHY | 0.79 | 100 | W233884 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 26.52 | 27.44 | 0.92 | PHY | 0.92 | 100 | W233885 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 27.44 | 29.57 | 2.13 | PHY | 1.94 | 91 | W233887 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 29.57 | 30.63 | 1.06 | PHY | 1.02 | 96 | W233888 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 30.63 | 31.09 | 0.46 | PHY | 0.43 | 93 | W233889 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 31.09 | 34.14 | 3.05 | PHY | 2.71 | 89 | W233890 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 34.14 | 37.18 | 3.04 | PHY | 2.85 | 94 | W233892 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 37.18 | 38.00 | 0.82 | PHY | 0.82 | 100 | W233893 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 38.00 | 38.94 | 0.94 | PHY | 0.94 | 100 | W233894 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 38.94 | 39.24 | 0.30 | PHY | 0.30 | 100 | W233895 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 39.24 | 40.23 | 0.99 | PHY | 0.99 | 100 | W233896 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 40.23 | 40.71 | 0.48 | PHY | 0.48 | 100 | W233897 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 40.71 | 42.18 | 1.47 | PHY | 1.47 | 100 | W233898 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 40.71 | 42.18 | 1.47 | PHY | 1.47 | 100 | W233899 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☑ |
| 42.18 | 43.28 | 1.10 | PHY | 1.10 | 100 | W233900 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 43.28 | 46.32 | 3.04 | PHY | 3.04 | 100 | W233901 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46.32 | 47.85 | 1.53 | PHY | 1.33 | 87 | W233902 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 46.32 | 47.85 | 1.53 | PHY | 1.33 | 87 | W233903 | ☐ | R20-D46 | Core | | ☐ | ☑ | ☐ |
| 47.85 | 49.37 | 1.52 | PHY | 1.52 | 100 | W233904 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 49.37 | 50.90 | 1.53 | PHY | 1.52 | 99 | W233905 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 50.90 | 51.24 | 0.34 | PHY | 0.34 | 100 | W233906 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 51.24 | 52.42 | 1.18 | PHY | 1.15 | 97 | W233907 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 52.42 | 55.47 | 3.05 | PHY | 3.05 | 100 | W233908 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 55.47 | 58.52 | 3.05 | PHY | 2.98 | 98 | W233909 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 58.52 | 59.16 | 0.64 | PHY | 0.64 | 100 | W233910 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 59.16 | 59.61 | 0.45 | PHY | 0.45 | 100 | W233911 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 59.61 | 61.57 | 1.96 | PHY | 1.96 | 100 | W233912 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 61.57 | 62.00 | 0.43 | PHY | 0.43 | 100 | W233913 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 62.00 | 63.09 | 1.09 | PHY | 1.09 | 100 | W233914 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 63.09 | 64.62 | 1.53 | PHY | 1.47 | 96 | W233916 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 64.62 | 65.88 | 1.26 | PHY | 1.26 | 100 | W233917 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 65.88 | 67.67 | 1.79 | PHY | 1.79 | 100 | W233918 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 67.67 | 69.19 | 1.52 | PHY | 1.52 | 100 | W233919 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 69.19 | 70.71 | 1.52 | PHY | 1.52 | 100 | W233920 | ☐ | R20-D46 | Core | | ☐ | ☐ | ☐ |
| 70.71 | 72.24 | 1.53 | PHY | 1.52 | 99 | W233921 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 72.24 | 73.76 | 1.52 | PHY | 1.50 | 99 | W233922 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 73.76 | 74.25 | 0.49 | PHY | 0.49 | 100 | W233923 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 74.25 | 74.80 | 0.55 | PHY | 0.55 | 100 | W233924 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 74.80 | 75.44 | 0.64 | PHY | 0.64 | 100 | W233926 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 75.44 | 75.91 | 0.47 | PHY, QV | 0.47 | 100 | W233927 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 75.91 | 78.33 | 2.42 | PHY | 2.27 | 94 | W233929 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 78.33 | 79.20 | 0.87 | PHY | 0.87 | 100 | W233930 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 79.20 | 80.10 | 0.90 | PHY | 0.69 | 77 | W233931 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 80.10 | 80.83 | 0.73 | PHY | 0.73 | 100 | W233932 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80.83 | 81.03 | 0.20 | PHY | 0.20 | 100 | W233933 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 81.03 | 82.90 | 1.87 | PHY | 1.87 | 100 | W233934 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 82.90 | 85.38 | 2.48 | PHY | 2.48 | 100 | W233935 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 82.90 | 85.38 | 2.48 | PHY | 2.48 | 100 | W233936 | ☐ | R20-D48 | Core | | ☐ | ☑ | ☐ |
| 85.38 | 85.95 | 0.57 | PHY | 0.57 | 100 | W233937 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 85.95 | 86.68 | 0.73 | PHY | 0.73 | 100 | W233938 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 86.68 | 87.26 | 0.58 | PHY | 0.57 | 98 | W233939 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 87.26 | 89.00 | 1.74 | PHY | 1.70 | 98 | W233940 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 89.00 | 90.57 | 1.57 | FLR | 1.20 | 76 | W233941 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 89.00 | 90.57 | 1.57 | FLR | 1.20 | 76 | W233942 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☑ |
| 90.57 | 92.05 | 1.48 | PHY | 1.48 | 100 | W233943 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 92.05 | 92.46 | 0.41 | PHY | 0.41 | 100 | W233944 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 92.46 | 93.57 | 1.11 | PHY | 1.01 | 91 | W233945 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 93.57 | 94.22 | 0.65 | PHY | 0.65 | 100 | W233946 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 94.22 | 95.24 | 1.02 | PHY | 1.02 | 100 | W233947 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 95.24 | 95.60 | 0.36 | PHY | 0.36 | 100 | W233948 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 95.60 | 96.18 | 0.58 | PHY | 0.48 | 83 | W233949 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 96.18 | 98.14 | 1.96 | PHY | 1.96 | 100 | W233950 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 98.14 | 99.66 | 1.52 | PHY | 1.42 | 93 | W233951 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 99.66 | 102.18 | 2.52 | PHY | 2.52 | 100 | W233952 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 102.18 | 102.71 | 0.53 | PHY | 0.53 | 100 | W233953 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 102.71 | 103.08 | 0.37 | PHY | 0.37 | 100 | W233954 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 103.08 | 103.87 | 0.79 | PHY | 0.79 | 100 | W233955 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 103.87 | 104.00 | 0.13 | PHY | 0.13 | 100 | W233956 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 104.00 | 104.56 | 0.56 | PHY | 0.48 | 86 | W233957 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 104.56 | 104.93 | 0.37 | PHY | 0.37 | 100 | W233959 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 104.93 | 105.76 | 0.83 | PHY | 0.70 | 84 | W233960 | ☐ | R20-D48 | Core | | ☐ | ☐ | ☐ |
| 105.76 | 107.72 | 1.96 | PHY | 0.96 | 49 | W233961 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 107.72 | 108.21 | 0.49 | PHY | 0.49 | 100 | W233962 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 108.21 | 110.13 | 1.92 | PHY | 1.92 | 100 | W233963 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 110.13 | 110.59 | 0.46 | PHY | 0.46 | 100 | W233964 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 110.59 | 111.27 | 0.68 | PHY | 0.68 | 100 | W233965 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 110.59 | 111.27 | 0.68 | PHY | 0.68 | 100 | W233966 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☑ |
| 111.27 | 112.34 | 1.07 | PHY | 1.06 | 99 | W233967 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 112.34 | 112.71 | 0.37 | PHY | 0.37 | 100 | W233968 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 112.71 | 114.00 | 1.29 | PHY | 1.28 | 99 | W233969 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 114.00 | 114.47 | 0.47 | PHY | 0.47 | 100 | W233970 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 114.47 | 116.12 | 1.65 | PHY | 1.65 | 100 | W233971 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 116.12 | 117.26 | 1.14 | PHY | 1.14 | 100 | W233972 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 116.12 | 117.26 | 1.14 | PHY | 1.14 | 100 | W233973 | ☐ | R20-D49 | Core | | ☐ | ☑ | ☐ |
| 117.26 | 119.48 | 2.22 | PHY | 2.22 | 100 | W233974 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 119.48 | 119.91 | 0.43 | PHY | 0.39 | 91 | W233975 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 119.91 | 120.29 | 0.38 | PHY | 0.38 | 100 | W233976 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 120.29 | 120.75 | 0.46 | PHY | 0.46 | 100 | W233977 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 120.75 | 122.52 | 1.77 | PHY | 1.72 | 97 | W233978 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 122.52 | 124.05 | 1.53 | FLR | 1.37 | 90 | W233980 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 124.05 | 125.57 | 1.52 | FLR | 1.42 | 93 | W233981 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 125.57 | 126.34 | 0.77 | FLR | 0.65 | 84 | W233982 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 126.34 | 127.10 | 0.76 | FLR, QV | 0.75 | 99 | W233983 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 127.10 | 127.88 | 0.78 | QV | 0.78 | 100 | W233984 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 127.88 | 129.30 | 1.42 | FLR, QV | 1.03 | 73 | W233986 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 129.30 | 131.67 | 2.37 | FLR | 1.22 | 51 | W233987 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 131.67 | 132.73 | 1.06 | FLR | 0.98 | 92 | W233988 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 132.73 | 133.12 | 0.39 | FLR | 0.39 | 100 | W233990 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 133.12 | 134.00 | 0.88 | FLR | 0.85 | 97 | W233991 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 134.00 | 134.72 | 0.72 | FLR | 0.72 | 100 | W233992 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 134.72 | 136.25 | 1.53 | FLR | 1.00 | 65 | W233993 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 136.25 | 137.77 | 1.52 | FLR | 1.31 | 86 | W233994 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 137.77 | 138.69 | 0.92 | FLR | 0.81 | 88 | W233995 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 138.69 | 139.29 | 0.60 | FLR | 0.60 | 100 | W233996 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 139.29 | 139.69 | 0.40 | FLR | 0.40 | 100 | W233997 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 139.69 | 140.82 | 1.13 | FLR | 1.03 | 91 | W233998 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 140.82 | 142.00 | 1.18 | PHY, FLR | 1.18 | 100 | W233999 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 142.00 | 142.72 | 0.72 | PHY | 0.72 | 100 | W234000 | ☐ | R20-D49 | Core | | ☐ | ☐ | ☐ |
| 142.72 | 143.06 | 0.34 | QV, PHY | 0.34 | 100 | W231351 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 143.06 | 143.60 | 0.54 | QV | 0.54 | 100 | W231352 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 143.60 | 144.86 | 1.26 | QV, PHY | 1.26 | 100 | W231353 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 144.86 | 145.18 | 0.32 | PHY | 0.32 | 100 | W231354 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 145.18 | 145.88 | 0.70 | PHY | 0.67 | 96 | W231355 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 145.88 | 146.20 | 0.32 | PHY | 0.32 | 100 | W231356 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 146.20 | 146.91 | 0.71 | PHY | 0.64 | 90 | W231357 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 146.91 | 147.69 | 0.78 | PHY | 0.78 | 100 | W231359 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 147.69 | 149.96 | 2.27 | PHY | 2.20 | 97 | W231360 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 149.96 | 150.69 | 0.73 | PHY | 0.72 | 99 | W231361 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 150.69 | 151.41 | 0.72 | PHY | 0.67 | 93 | W231362 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 151.41 | 151.83 | 0.42 | PHY | 0.40 | 95 | W231363 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 151.83 | 152.50 | 0.67 | QV | 0.67 | 100 | W231364 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 152.50 | 153.36 | 0.86 | PHY | 0.86 | 100 | W231366 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 153.36 | 154.00 | 0.64 | PHY | 0.64 | 100 | W231367 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 154.00 | 154.87 | 0.87 | QV | 0.81 | 93 | W231368 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 154.87 | 156.00 | 1.13 | PHY | 1.12 | 99 | W231369 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 156.00 | 157.58 | 1.58 | PHY | 1.58 | 100 | W231371 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 157.58 | 158.00 | 0.42 | PHY | 0.42 | 100 | W231372 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 158.00 | 158.40 | 0.40 | PHY | 0.40 | 100 | W231373 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 158.40 | 159.55 | 1.15 | PHY | 1.15 | 100 | W231374 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 158.40 | 159.55 | 1.15 | PHY | 1.15 | 100 | W231375 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☑ |
| 159.55 | 162.15 | 2.60 | PHY | 2.44 | 94 | W231376 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 162.15 | 162.57 | 0.42 | PHY | 0.42 | 100 | W231377 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 162.57 | 165.20 | 2.63 | PHY | 2.63 | 100 | W231378 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 165.20 | 166.16 | 0.96 | PHY | 0.94 | 98 | W231379 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 166.16 | 166.72 | 0.56 | PHY | 0.56 | 100 | W231380 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 166.72 | 168.28 | 1.56 | PHY | 1.56 | 100 | W231381 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 168.28 | 169.00 | 0.72 | PHY | 0.72 | 100 | W231382 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 169.00 | 170.90 | 1.90 | PHY | 1.90 | 100 | W231383 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 169.00 | 170.90 | 1.90 | PHY | 1.90 | 100 | W231384 | ☐ | R20-D52 | Core | | ☐ | ☑ | ☐ |
| 170.90 | 171.44 | 0.54 | PHY | 0.54 | 100 | W231385 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 171.44 | 172.82 | 1.38 | PHY | 1.38 | 100 | W231386 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 172.82 | 174.34 | 1.52 | PHY | 1.46 | 96 | W231387 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 174.34 | 175.86 | 1.52 | PHY | 1.27 | 84 | W231388 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 175.86 | 177.23 | 1.37 | PHY | 1.36 | 99 | W231389 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 177.23 | 178.33 | 1.10 | PHY | 1.10 | 100 | W231390 | ☐ | R20-D52 | Core | | ☐ | ☐ | ☐ |
| 178.33 | 178.91 | 0.58 | PHY | 0.58 | 100 | W231391 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 178.91 | 179.83 | 0.92 | PHY | 0.92 | 100 | W231392 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 179.83 | 180.44 | 0.61 | PHY | 0.61 | 100 | W231393 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 180.44 | 180.67 | 0.23 | PHY | 0.23 | 100 | W231394 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 180.67 | 181.96 | 1.29 | PHY | 1.29 | 100 | W231395 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 180.67 | 181.96 | 1.29 | PHY | 1.29 | 100 | W231396 | ☐ | R20-D54 | Core | | ☐ | ☑ | ☐ |
| 181.96 | 183.48 | 1.52 | PHY | 1.45 | 95 | W231397 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 183.48 | 185.30 | 1.82 | PHY | 1.82 | 100 | W231398 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 185.30 | 186.18 | 0.88 | PHY | 0.88 | 100 | W231399 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 186.18 | 186.68 | 0.50 | PHY | 0.50 | 100 | W231400 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 186.68 | 188.08 | 1.40 | PHY | 1.13 | 81 | W231401 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 188.08 | 189.59 | 1.51 | PHY | 1.48 | 98 | W231402 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 189.59 | 190.06 | 0.47 | PHY | 0.47 | 100 | W231403 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 190.06 | 190.57 | 0.51 | PHY | 0.51 | 100 | W231404 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 190.57 | 191.53 | 0.96 | PHY | 0.93 | 97 | W231406 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 191.53 | 192.00 | 0.47 | PHY | 0.47 | 100 | W231407 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 192.00 | 192.92 | 0.92 | PHY | 0.89 | 97 | W231408 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 192.92 | 194.16 | 1.24 | PHY | 1.20 | 97 | W231409 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 194.16 | 195.22 | 1.06 | PHY | 1.05 | 99 | W231410 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 195.22 | 195.73 | 0.51 | PHY | 0.51 | 100 | W231411 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 195.73 | 196.16 | 0.43 | QV, PHY | 0.43 | 100 | W231413 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 196.16 | 197.21 | 1.05 | PHY | 0.81 | 77 | W231414 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 197.21 | 198.22 | 1.01 | PHY | 0.97 | 96 | W231416 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 198.22 | 198.85 | 0.63 | PHY | 0.63 | 100 | W231417 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 198.85 | 199.21 | 0.36 | PHY | 0.36 | 100 | W231418 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 198.85 | 199.21 | 0.36 | PHY | 0.36 | 100 | W231419 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☑ |
| 199.21 | 199.73 | 0.52 | PHY, QV | 0.52 | 100 | W231420 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 199.73 | 200.25 | 0.52 | PHY | 0.52 | 100 | W231421 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 200.25 | 201.03 | 0.78 | PHY | 0.78 | 100 | W231422 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 201.03 | 202.00 | 0.97 | PHY | 0.93 | 96 | W231423 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 202.00 | 203.13 | 1.13 | PHY | 1.13 | 100 | W231424 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 203.13 | 203.96 | 0.83 | PHY | 0.83 | 100 | W231425 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 203.96 | 204.89 | 0.93 | PHY | 0.93 | 100 | W231426 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 204.89 | 206.08 | 1.19 | PHY | 1.10 | 92 | W231427 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 206.08 | 206.97 | 0.89 | PHY | 0.89 | 100 | W231428 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 206.97 | 208.11 | 1.14 | PHY | 1.14 | 100 | W231429 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 208.11 | 209.00 | 0.89 | PHY | 0.83 | 93 | W231430 | ☐ | R20-D54 | Core | | ☐ | ☐ | ☐ |
| 209.00 | 209.85 | 0.85 | PHY | 0.85 | 100 | W231431 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 209.85 | 210.35 | 0.50 | PHY | 0.50 | 100 | W231432 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 209.85 | 210.35 | 0.50 | PHY | 0.50 | 100 | W231433 | ☐ | R20-D55 | Core | | ☐ | ☑ | ☐ |
| 210.35 | 212.00 | 1.65 | PHY | 1.57 | 95 | W231434 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 212.00 | 213.25 | 1.25 | PHY | 1.18 | 94 | W231435 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 213.25 | 213.96 | 0.71 | PHY | 0.71 | 100 | W231436 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 213.96 | 214.75 | 0.79 | PHY | 0.79 | 100 | W231437 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 214.75 | 215.49 | 0.74 | PHY | 0.65 | 88 | W231438 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 215.49 | 216.29 | 0.80 | PHY | 0.80 | 100 | W231439 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 216.29 | 217.01 | 0.72 | PHY | 0.72 | 100 | W231440 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 217.01 | 217.43 | 0.42 | PHY | 0.42 | 100 | W231441 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 217.43 | 218.55 | 1.12 | PHY | 0.94 | 84 | W231442 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 218.55 | 220.06 | 1.51 | PHY | 1.51 | 100 | W231443 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 220.06 | 220.44 | 0.38 | PHY | 0.38 | 100 | W231445 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 220.44 | 221.78 | 1.34 | PHY | 1.34 | 100 | W231447 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 221.78 | 223.00 | 1.22 | PHY, PHY | 1.22 | 100 | W231448 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 223.00 | 224.63 | 1.63 | PHY | 1.60 | 98 | W231449 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 224.63 | 225.45 | 0.82 | PHY | 0.75 | 91 | W231450 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 225.45 | 225.92 | 0.47 | PHY | 0.47 | 100 | W231451 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 225.45 | 225.92 | 0.47 | PHY | 0.47 | 100 | W231452 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☑ |
| 225.92 | 226.90 | 0.98 | PHY | 0.95 | 97 | W231453 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 226.90 | 228.49 | 1.59 | PHY | 1.59 | 100 | W231454 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 228.49 | 229.48 | 0.99 | PHY | 0.96 | 97 | W231455 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 229.48 | 230.73 | 1.25 | PHY | 1.15 | 92 | W231456 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 230.73 | 232.26 | 1.53 | PHY | 1.53 | 100 | W231457 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 232.26 | 233.78 | 1.52 | PHY | 1.20 | 79 | W231458 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 233.78 | 234.70 | 0.92 | PHY | 0.92 | 100 | W231460 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 234.70 | 235.62 | 0.92 | PHY | 0.92 | 100 | W231461 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 235.62 | 236.36 | 0.74 | PHY | 0.69 | 93 | W231462 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 236.36 | 237.40 | 1.04 | PHY | 1.03 | 99 | W231463 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 237.40 | 238.35 | 0.95 | PHY | 0.95 | 100 | W231464 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 238.35 | 239.88 | 1.53 | PHY | 1.33 | 87 | W231465 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 239.88 | 241.40 | 1.52 | PHY | 1.52 | 100 | W231466 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 241.40 | 242.93 | 1.53 | PHY | 1.52 | 99 | W231467 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 242.93 | 244.45 | 1.52 | PHY | 1.46 | 96 | W231468 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 244.45 | 245.97 | 1.52 | PHY | 1.52 | 100 | W231469 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 245.97 | 247.07 | 1.10 | PHY | 1.07 | 97 | W231470 | ☐ | R20-D55 | Core | | ☐ | ☐ | ☐ |
| 247.07 | 247.89 | 0.82 | PHY | 0.81 | 99 | W231471 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 247.89 | 248.65 | 0.76 | PHY | 0.76 | 100 | W231472 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 248.65 | 250.24 | 1.59 | PHY | 1.33 | 84 | W231473 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 250.24 | 251.35 | 1.11 | PHY | 1.11 | 100 | W231475 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 251.35 | 252.29 | 0.94 | PHY | 0.94 | 100 | W231476 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 252.29 | 253.59 | 1.30 | PHY | 1.13 | 87 | W231477 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 253.59 | 255.12 | 1.53 | PHY | 1.53 | 100 | W231478 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 255.12 | 256.64 | 1.52 | PHY | 1.51 | 99 | W231479 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 256.64 | 258.17 | 1.53 | PHY | 1.52 | 99 | W231480 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 258.17 | 259.69 | 1.52 | PHY | 1.52 | 100 | W231481 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 259.69 | 260.61 | 0.92 | PHY | 0.92 | 100 | W231483 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 260.61 | 261.65 | 1.04 | PHY | 1.04 | 100 | W231484 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 261.65 | 262.58 | 0.93 | PHY, PHY | 0.68 | 73 | W231485 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 262.58 | 263.45 | 0.87 | PHY | 0.75 | 86 | W231487 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 263.45 | 264.26 | 0.81 | PHY | 0.67 | 83 | W231488 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 264.26 | 265.79 | 1.53 | PHY | 1.32 | 86 | W231489 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 265.79 | 266.00 | 0.21 | PHY | 0.21 | 100 | W231490 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 265.79 | 266.00 | 0.21 | PHY | 0.21 | 100 | W231491 | ☐ | R20-D57 | Core | | ☐ | ☑ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 266.00 | 266.46 | 0.46 | PHY | 0.46 | 100 | W231492 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 266.46 | 267.31 | 0.85 | PHY | 0.69 | 81 | W231493 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 267.31 | 268.19 | 0.88 | PHY | 0.83 | 94 | W231494 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 268.19 | 269.26 | 1.07 | PHY | 1.07 | 100 | W231495 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 269.26 | 269.54 | 0.28 | PHY | 0.26 | 93 | W231496 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 269.26 | 269.54 | 0.28 | PHY | 0.26 | 93 | W231497 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☑ |
| 269.54 | 271.88 | 2.34 | PHY | 2.08 | 89 | W231498 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 271.88 | 273.41 | 1.53 | PHY | 1.53 | 100 | W231499 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 273.41 | 276.45 | 3.04 | PHY | 3.04 | 100 | W231500 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 276.45 | 277.45 | 1.00 | PHY, PHY | 0.95 | 95 | W232851 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 277.45 | 277.96 | 0.51 | PHY | 0.48 | 94 | W232852 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 277.96 | 279.50 | 1.54 | PHY | 1.54 | 100 | W232853 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 279.50 | 281.03 | 1.53 | PHY | 1.41 | 92 | W232854 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 281.03 | 282.55 | 1.52 | PHY | 1.51 | 99 | W232855 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 282.55 | 282.89 | 0.34 | PHY | 0.34 | 100 | W232856 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 282.89 | 283.04 | 0.15 | PHY | 0.15 | 100 | W232857 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 283.04 | 284.07 | 1.03 | PHY | 1.03 | 100 | W232858 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 284.07 | 284.92 | 0.85 | PHY | 0.85 | 100 | W232859 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 284.92 | 285.82 | 0.90 | PHY | 0.90 | 100 | W232860 | ☐ | R20-D57 | Core | | ☐ | ☐ | ☐ |
| 285.82 | 286.05 | 0.23 | PHY | 0.23 | 100 | W232861 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 285.82 | 286.05 | 0.23 | PHY | 0.23 | 100 | W232862 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☑ |
| 286.05 | 287.12 | 1.07 | PHY | 1.04 | 97 | W232863 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 287.12 | 288.65 | 1.53 | PHY | 1.53 | 100 | W232864 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 288.65 | 290.17 | 1.52 | PHY | 1.52 | 100 | W232865 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 290.17 | 291.69 | 1.52 | PHY | 1.52 | 100 | W232866 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 290.17 | 291.69 | 1.52 | PHY | 1.52 | 100 | W232867 | ☐ | R20-D58 | Core | | ☐ | ☑ | ☐ |
| 291.69 | 293.22 | 1.53 | PHY | 1.53 | 100 | W232868 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 293.22 | 296.27 | 3.05 | PHY | 2.86 | 94 | W232869 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |

| From (m) | To (m) | Interval (m) | Rock Type | Recovery (m) | Recovery % | Sample Number | Not Sampled | BatchName | Batch Class | Standard | Blank | 1/4 Dup | Coarse Dup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 296.27 | 299.31 | 3.04 | PHY | 2.90 | 95 | W232871 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 299.31 | 302.36 | 3.05 | PHY | 3.02 | 99 | W232872 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 302.36 | 305.41 | 3.05 | PHY | 3.04 | 100 | W232873 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 305.41 | 308.46 | 3.05 | PHY | 3.05 | 100 | W232874 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 308.46 | 309.98 | 1.52 | PHY | 1.38 | 91 | W232875 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 309.98 | 313.03 | 3.05 | PHY | 3.01 | 99 | W232877 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |
| 313.03 | 315.07 | 2.04 | PHY | 2.04 | 100 | W232878 | ☐ | R20-D58 | Core | | ☐ | ☐ | ☐ |

# Sample Results



Archer,Cathro & Associates (1981) Limited

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D49 | W233989 | 0.00 | 0.00 | 5.09 | 13 | 2130 | 811 | 2040.0 | 4 | 8.10 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D57 | W231486 | 0.00 | 0.00 | 0.01 | 0 | 3 | 1 | 4.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D52 | W231370 | 0.00 | 0.00 | 3.44 | 8 | 193 | 37 | 155.0 | 2 | 2.30 | ☐ | ☐ | ☐ | ☑ GS-3Q | |
| R20-D48 | W233958 | 0.00 | 0.00 | 0.87 | 60 | 493 | 365 | 848.0 | 2 | 9.10 | ☐ | ☐ | ☐ | ☑ P6C | |
| R20-D46 | W233891 | 0.00 | 0.00 | 0.78 | 69 | 519 | 379 | 865.0 | 2 | 9.10 | ☐ | ☐ | ☐ | ☑ P6C | |
| R20-D46 | W233886 | 0.00 | 0.00 | 0.01 | 0 | 1 | 0 | 4.0 | 0 | 0.80 | ☐ | ☐ | ☑ | ☐ | |
| R20-D57 | W231482 | 0.00 | 0.00 | 1.27 | 78 | 215 | 1490 | 2630.0 | 2 | 10.80 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D54 | W231412 | 0.00 | 0.00 | 0.01 | 0 | 3 | 1 | 4.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D48 | W233928 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 4.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D44 | W233875 | 0.00 | 0.00 | 1.34 | 66 | 218 | 1530 | 2840.0 | 2 | 10.20 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D52 | W231358 | 0.00 | 0.00 | 1.18 | 70 | 215 | 1475 | 2590.0 | 2 | 10.80 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D49 | W233979 | 0.00 | 0.00 | 1.27 | 63 | 218 | 1370 | 2740.0 | 2 | 10.20 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D46 | W233915 | 0.00 | 0.00 | 1.31 | 68 | 238 | 1580 | 2910.0 | 2 | 23.00 | ☐ | ☐ | ☐ | ☑ GS-1X | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D55 | W231446 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 7.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D57 | W231474 | 0.00 | 0.00 | 5.05 | 12 | 2160 | 824 | 2070.0 | 4 | 11.00 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D49 | W233985 | 0.00 | 0.00 | 0.01 | 0 | 2 | 0 | 6.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D58 | W232870 | 0.00 | 0.00 | 1.31 | 76 | 222 | 1495 | 2740.0 | 2 | 10.00 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D54 | W231415 | 0.00 | 0.00 | 3.60 | 6 | 189 | 33 | 155.0 | 2 | 2.00 | ☐ | ☐ | ☐ | ☑ GS-3Q | |
| R20-D55 | W231459 | 0.00 | 0.00 | 1.30 | 68 | 217 | 1485 | 2680.0 | 2 | 10.60 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D58 | W232879 | 0.00 | 0.00 | 5.20 | 12 | 2150 | 805 | 2080.0 | 4 | 6.30 | ☐ | ☐ | ☐ | ☑ GS-5X | |
| R20-D52 | W231365 | 0.00 | 0.00 | 0.01 | 0 | 1 | 1 | 3.0 | 0 | 0.05 | ☐ | ☐ | ☑ | ☐ | |
| R20-D54 | W231405 | 0.00 | 0.00 | 0.86 | 69 | 521 | 378 | 854.0 | 2 | 8.40 | ☐ | ☐ | ☐ | ☑ P6C | |
| R20-D55 | W231444 | 0.00 | 0.00 | 1.43 | 65 | 205 | 1380 | 2560.0 | 2 | 12.60 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D58 | W232876 | 0.00 | 0.00 | 0.01 | 0 | 2 | 1 | 4.0 | 0 | 0.10 | ☐ | ☐ | ☑ | ☐ | |
| R20-D48 | W233925 | 0.00 | 0.00 | 1.38 | 69 | 220 | 1480 | 2680.0 | 2 | 13.20 | ☐ | ☐ | ☐ | ☑ GS-1X | |
| R20-D44 | W233870 | 10.26 | 12.40 | 0.06 | 0 | 29 | 6 | 14.0 | 10 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233871 | 12.40 | 13.06 | 0.06 | 0 | 28 | 6 | 12.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233872 | 13.06 | 14.33 | 0.05 | 0 | 20 | 4 | 17.0 | 6 | 1.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D44 | W233873 | 14.33 | 15.41 | 0.03 | 0 | 32 | 4 | 15.0 | 7 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233874 | 15.41 | 15.85 | 0.08 | 0 | 50 | 7 | 21.0 | 7 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233876 | 15.85 | 16.92 | 0.03 | 0 | 33 | 4 | 18.0 | 7 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233877 | 16.92 | 17.37 | 0.06 | 0 | 38 | 8 | 21.0 | 8 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233878 | 17.37 | 18.90 | 0.04 | 0 | 45 | 4 | 15.0 | 6 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233879 | 18.90 | 20.00 | 0.01 | 0 | 50 | 2 | 12.0 | 6 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D44 | W233880 | 20.00 | 21.95 | 0.12 | 0 | 36 | 4 | 15.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233881 | 21.95 | 22.92 | 0.06 | 0 | 43 | 10 | 18.0 | 6 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233882 | 22.92 | 24.99 | 0.05 | 0 | 37 | 7 | 12.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233883 | 24.99 | 25.73 | 0.02 | 0 | 55 | 2 | 19.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233884 | 25.73 | 26.52 | 0.06 | 0 | 81 | 7 | 27.0 | 4 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233885 | 26.52 | 27.44 | 0.07 | 0 | 52 | 8 | 23.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233887 | 27.44 | 29.57 | 0.08 | 0 | 30 | 5 | 12.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233888 | 29.57 | 30.63 | 0.08 | 0 | 19 | 5 | 17.0 | 6 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233889 | 30.63 | 31.09 | 0.15 | 0 | 39 | 7 | 19.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D46 | W233890 | 31.09 | 34.14 | 0.11 | 0 | 22 | 5 | 16.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233892 | 34.14 | 37.18 | 0.13 | 0 | 19 | 5 | 20.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233893 | 37.18 | 38.00 | 0.12 | 0 | 22 | 5 | 14.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233894 | 38.00 | 38.94 | 0.15 | 0 | 22 | 5 | 17.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233895 | 38.94 | 39.24 | 0.16 | 0 | 65 | 5 | 12.0 | 3 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233896 | 39.24 | 40.23 | 0.08 | 0 | 30 | 5 | 17.0 | 4 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233897 | 40.23 | 40.71 | 0.08 | 0 | 35 | 4 | 18.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233899 | 40.71 | 42.18 | 0.01 | 0 | 30 | 2 | 15.0 | 3 | 1.60 | ☐ | ☑ | ☐ | ☐ | |
| R20-D46 | W233898 | 40.71 | 42.18 | 0.01 | 0 | 37 | 2 | 16.0 | 3 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233900 | 42.18 | 43.28 | 0.01 | 0 | 33 | 2 | 16.0 | 4 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233901 | 43.28 | 46.32 | 0.01 | 0 | 38 | 2 | 16.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233903 | 46.32 | 47.85 | 0.01 | 0 | 34 | 2 | 13.0 | 5 | 2.40 | ☑ | ☐ | ☐ | ☐ | |
| R20-D46 | W233902 | 46.32 | 47.85 | 0.01 | 0 | 41 | 2 | 13.0 | 5 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233904 | 47.85 | 49.37 | 0.01 | 0 | 76 | 3 | 13.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233905 | 49.37 | 50.90 | 0.02 | 0 | 138 | 4 | 20.0 | 4 | 2.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D46 | W233906 | 50.90 | 51.24 | 0.01 | 0 | 205 | 4 | 29.0 | 3 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233907 | 51.24 | 52.42 | 0.01 | 0 | 58 | 2 | 16.0 | 4 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233908 | 52.42 | 55.47 | 0.01 | 0 | 45 | 2 | 32.0 | 4 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233909 | 55.47 | 58.52 | 0.01 | 0 | 28 | 2 | 34.0 | 5 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233910 | 58.52 | 59.16 | 0.01 | 0 | 33 | 2 | 25.0 | 6 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233911 | 59.16 | 59.61 | 0.01 | 0 | 83 | 2 | 26.0 | 7 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233912 | 59.61 | 61.57 | 0.01 | 0 | 21 | 2 | 39.0 | 6 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233913 | 61.57 | 62.00 | 0.01 | 0 | 45 | 4 | 27.0 | 9 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233914 | 62.00 | 63.09 | 0.01 | 0 | 26 | 2 | 31.0 | 7 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233916 | 63.09 | 64.62 | 0.01 | 0 | 30 | 3 | 31.0 | 7 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233917 | 64.62 | 65.88 | 0.01 | 0 | 40 | 3 | 19.0 | 8 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233918 | 65.88 | 67.67 | 0.01 | 0 | 53 | 3 | 17.0 | 7 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233919 | 67.67 | 69.19 | 0.01 | 0 | 31 | 2 | 17.0 | 6 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D46 | W233920 | 69.19 | 70.71 | 0.01 | 0 | 6 | 3 | 42.0 | 6 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233921 | 70.71 | 72.24 | 0.01 | 0 | 81 | 5 | 27.0 | 6 | 2.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D48 | W233922 | 72.24 | 73.76 | 0.01 | 0 | 69 | 3 | 15.0 | 7 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233923 | 73.76 | 74.25 | 0.01 | 0 | 48 | 3 | 11.0 | 9 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233924 | 74.25 | 74.80 | 0.01 | 0 | 132 | 5 | 15.0 | 8 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233926 | 74.80 | 75.44 | 0.01 | 0 | 47 | 3 | 20.0 | 8 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233927 | 75.44 | 75.91 | 0.88 | 0 | 40 | 6 | 21.0 | 4 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233929 | 75.91 | 78.33 | 0.01 | 0 | 19 | 2 | 16.0 | 6 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233930 | 78.33 | 79.20 | 0.01 | 0 | 11 | 2 | 17.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233931 | 79.20 | 80.10 | 0.01 | 0 | 41 | 3 | 22.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233932 | 80.10 | 80.83 | 0.01 | 0 | 42 | 5 | 23.0 | 2 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233933 | 80.83 | 81.03 | 0.01 | 0 | 37 | 2 | 19.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233934 | 81.03 | 82.90 | 0.01 | 0 | 32 | 2 | 30.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233935 | 82.90 | 85.38 | 0.01 | 0 | 17 | 2 | 21.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233936 | 82.90 | 85.38 | 0.01 | 0 | 15 | 2 | 21.0 | 5 | 2.20 | ☑ | ☐ | ☐ | ☐ | |
| R20-D48 | W233937 | 85.38 | 85.95 | 0.01 | 0 | 25 | 6 | 32.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233938 | 85.95 | 86.68 | 0.01 | 0 | 59 | 5 | 21.0 | 4 | 2.10 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D48 | W233939 | 86.68 | 87.26 | 0.01 | 0 | 70 | 4 | 18.0 | 5 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233940 | 87.26 | 89.00 | 0.01 | 0 | 83 | 3 | 28.0 | 5 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233942 | 89.00 | 90.57 | 0.01 | 0 | 91 | 3 | 19.0 | 4 | 1.80 | ☐ | ☑ | ☐ | ☐ | |
| R20-D48 | W233941 | 89.00 | 90.57 | 0.01 | 0 | 89 | 3 | 19.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233943 | 90.57 | 92.05 | 0.01 | 0 | 76 | 2 | 21.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233944 | 92.05 | 92.46 | 0.01 | 0 | 68 | 3 | 22.0 | 5 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233945 | 92.46 | 93.57 | 0.01 | 0 | 73 | 3 | 19.0 | 5 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233946 | 93.57 | 94.22 | 0.01 | 0 | 171 | 4 | 18.0 | 4 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233947 | 94.22 | 95.24 | 0.01 | 0 | 26 | 3 | 29.0 | 4 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233948 | 95.24 | 95.60 | 0.01 | 0 | 79 | 4 | 30.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233949 | 95.60 | 96.18 | 0.03 | 0 | 98 | 9 | 44.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233950 | 96.18 | 98.14 | 0.01 | 0 | 25 | 2 | 31.0 | 6 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233951 | 98.14 | 99.66 | 0.01 | 0 | 17 | 2 | 36.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233952 | 99.66 | 102.18 | 0.01 | 0 | 29 | 2 | 32.0 | 7 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233953 | 102.18 | 102.71 | 0.01 | 0 | 31 | 2 | 19.0 | 6 | 2.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D48 | W233954 | 102.71 | 103.08 | 0.02 | 0 | 135 | 3 | 36.0 | 5 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233955 | 103.08 | 103.87 | 0.01 | 0 | 87 | 4 | 75.0 | 7 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233956 | 103.87 | 104.00 | 0.02 | 0 | 579 | 6 | 14.0 | 4 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233957 | 104.00 | 104.56 | 0.01 | 0 | 16 | 1 | 12.0 | 7 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233959 | 104.56 | 104.93 | 0.01 | 0 | 21 | 2 | 29.0 | 7 | 6.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D48 | W233960 | 104.93 | 105.76 | 0.02 | 0 | 25 | 2 | 35.0 | 8 | 9.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233961 | 105.76 | 107.72 | 0.04 | 0 | 19 | 3 | 34.0 | 9 | 4.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233962 | 107.72 | 108.21 | 0.06 | 0 | 76 | 15 | 31.0 | 11 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233963 | 108.21 | 110.13 | 0.01 | 0 | 27 | 4 | 21.0 | 12 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233964 | 110.13 | 110.59 | 0.01 | 0 | 12 | 2 | 12.0 | 10 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233966 | 110.59 | 111.27 | 0.01 | 0 | 33 | 3 | 12.0 | 7 | 2.60 | ☐ | ☑ | ☐ | ☐ | |
| R20-D49 | W233965 | 110.59 | 111.27 | 0.01 | 0 | 30 | 3 | 12.0 | 7 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233967 | 111.27 | 112.34 | 0.01 | 0 | 29 | 4 | 16.0 | 9 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233968 | 112.34 | 112.71 | 0.12 | 0 | 36 | 3 | 15.0 | 10 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233969 | 112.71 | 114.00 | 0.04 | 0 | 40 | 3 | 13.0 | 12 | 3.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D49 | W233970 | 114.00 | 114.47 | 0.02 | 0 | 39 | 3 | 14.0 | 10 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233971 | 114.47 | 116.12 | 0.05 | 0 | 29 | 3 | 14.0 | 12 | 3.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233973 | 116.12 | 117.26 | 0.09 | 0 | 16 | 3 | 13.0 | 16 | 5.50 | ☑ | ☐ | ☐ | ☐ | |
| R20-D49 | W233972 | 116.12 | 117.26 | 0.10 | 0 | 20 | 3 | 13.0 | 21 | 7.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233974 | 117.26 | 119.48 | 0.07 | 0 | 20 | 3 | 48.0 | 11 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233975 | 119.48 | 119.91 | 0.03 | 0 | 18 | 2 | 87.0 | 12 | 4.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233976 | 119.91 | 120.29 | 0.05 | 0 | 391 | 5 | 42.0 | 6 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233977 | 120.29 | 120.75 | 0.01 | 0 | 34 | 3 | 18.0 | 10 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233978 | 120.75 | 122.52 | 0.01 | 0 | 24 | 2 | 18.0 | 7 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233980 | 122.52 | 124.05 | 0.01 | 0 | 8 | 2 | 17.0 | 6 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233981 | 124.05 | 125.57 | 0.01 | 0 | 17 | 3 | 24.0 | 13 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233982 | 125.57 | 126.34 | 0.01 | 0 | 54 | 4 | 14.0 | 15 | 4.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233983 | 126.34 | 127.10 | 0.01 | 0 | 44 | 3 | 13.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233984 | 127.10 | 127.88 | 0.01 | 0 | 102 | 5 | 13.0 | 2 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233986 | 127.88 | 129.30 | 0.03 | 0 | 28 | 3 | 18.0 | 9 | 2.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D49 | W233987 | 129.30 | 131.67 | 0.01 | 1 | 22 | 2 | 26.0 | 9 | 8.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233988 | 131.67 | 132.73 | 0.05 | 0 | 14 | 2 | 14.0 | 11 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233990 | 132.73 | 133.12 | 0.27 | 0 | 112 | 8 | 20.0 | 8 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233991 | 133.12 | 134.00 | 0.02 | 0 | 47 | 3 | 17.0 | 11 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233992 | 134.00 | 134.72 | 0.01 | 0 | 39 | 2 | 17.0 | 11 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233993 | 134.72 | 136.25 | 0.01 | 0 | 21 | 2 | 15.0 | 13 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233994 | 136.25 | 137.77 | 0.01 | 0 | 40 | 2 | 17.0 | 14 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233995 | 137.77 | 138.69 | 0.01 | 0 | 97 | 4 | 15.0 | 14 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233996 | 138.69 | 139.29 | 0.09 | 0 | 94 | 3 | 23.0 | 11 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233997 | 139.29 | 139.69 | 0.01 | 0 | 44 | 3 | 20.0 | 5 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233998 | 139.69 | 140.82 | 0.02 | 0 | 45 | 3 | 27.0 | 7 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W233999 | 140.82 | 142.00 | 0.02 | 0 | 54 | 4 | 9.0 | 8 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D49 | W234000 | 142.00 | 142.72 | 0.01 | 0 | 50 | 3 | 11.0 | 9 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231351 | 142.72 | 143.06 | 0.01 | 0 | 209 | 4 | 14.0 | 2 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231352 | 143.06 | 143.60 | 0.01 | 0 | 5 | 3 | 11.0 | 3 | 0.80 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D52 | W231353 | 143.60 | 144.86 | 0.01 | 0 | 11 | 1 | 8.0 | 9 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231354 | 144.86 | 145.18 | 0.01 | 0 | 67 | 2 | 7.0 | 8 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231355 | 145.18 | 145.88 | 0.01 | 0 | 2 | 1 | 8.0 | 11 | 3.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231356 | 145.88 | 146.20 | 0.01 | 0 | 29 | 5 | 108.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231357 | 146.20 | 146.91 | 0.01 | 0 | 62 | 2 | 10.0 | 11 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231359 | 146.91 | 147.69 | 0.01 | 0 | 62 | 7 | 20.0 | 9 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231360 | 147.69 | 149.96 | 0.01 | 0 | 65 | 2 | 12.0 | 9 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231361 | 149.96 | 150.69 | 0.01 | 0 | 30 | 3 | 17.0 | 10 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231362 | 150.69 | 151.41 | 0.01 | 0 | 10 | 2 | 12.0 | 18 | 4.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231363 | 151.41 | 151.83 | 0.10 | 1 | 109 | 7 | 47.0 | 8 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231364 | 151.83 | 152.50 | 0.01 | 0 | 14 | 5 | 19.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231366 | 152.50 | 153.36 | 0.03 | 0 | 140 | 21 | 24.0 | 18 | 5.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231367 | 153.36 | 154.00 | 0.01 | 0 | 142 | 6 | 23.0 | 2 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231368 | 154.00 | 154.87 | 0.01 | 0 | 155 | 4 | 19.0 | 10 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231369 | 154.87 | 156.00 | 0.01 | 0 | 68 | 3 | 12.0 | 14 | 3.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D52 | W231371 | 156.00 | 157.58 | 0.01 | 0 | 45 | 3 | 17.0 | 12 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231372 | 157.58 | 158.00 | 0.05 | 3 | 111 | 367 | 4860.0 | 13 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231373 | 158.00 | 158.40 | 0.02 | 0 | 261 | 5 | 20.0 | 13 | 3.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231375 | 158.40 | 159.55 | 0.01 | 0 | 60 | 4 | 17.0 | 11 | 3.00 | ☐ | ☑ | ☐ | ☐ | |
| R20-D52 | W231374 | 158.40 | 159.55 | 0.02 | 0 | 59 | 4 | 18.0 | 11 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231376 | 159.55 | 162.15 | 0.02 | 0 | 76 | 3 | 17.0 | 9 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231377 | 162.15 | 162.57 | 0.01 | 0 | 64 | 19 | 42.0 | 8 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231378 | 162.57 | 165.20 | 0.01 | 0 | 28 | 3 | 40.0 | 7 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231379 | 165.20 | 166.16 | 0.01 | 0 | 17 | 2 | 44.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231380 | 166.16 | 166.72 | 0.02 | 0 | 19 | 5 | 26.0 | 6 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231381 | 166.72 | 168.28 | 0.01 | 0 | 52 | 3 | 27.0 | 9 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231382 | 168.28 | 169.00 | 0.01 | 0 | 47 | 4 | 33.0 | 5 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231383 | 169.00 | 170.90 | 0.01 | 0 | 31 | 2 | 46.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231384 | 169.00 | 170.90 | 0.01 | 0 | 32 | 2 | 45.0 | 6 | 1.60 | ☑ | ☐ | ☐ | ☐ | |
| R20-D52 | W231385 | 170.90 | 171.44 | 0.05 | 0 | 44 | 3 | 33.0 | 6 | 3.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D52 | W231386 | 171.44 | 172.82 | 0.01 | 0 | 16 | 2 | 35.0 | 6 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231387 | 172.82 | 174.34 | 0.01 | 0 | 25 | 4 | 29.0 | 7 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231388 | 174.34 | 175.86 | 0.01 | 0 | 37 | 2 | 33.0 | 7 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231389 | 175.86 | 177.23 | 0.01 | 0 | 42 | 3 | 24.0 | 8 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D52 | W231390 | 177.23 | 178.33 | 0.01 | 0 | 19 | 3 | 18.0 | 10 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231391 | 178.33 | 178.91 | 0.06 | 0 | 84 | 6 | 16.0 | 8 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231392 | 178.91 | 179.83 | 0.01 | 0 | 53 | 4 | 20.0 | 9 | 2.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231393 | 179.83 | 180.44 | 0.01 | 0 | 22 | 3 | 36.0 | 8 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231394 | 180.44 | 180.67 | 0.02 | 0 | 57 | 4 | 26.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231396 | 180.67 | 181.96 | 0.01 | 0 | 16 | 2 | 28.0 | 6 | 1.70 | ☑ | ☐ | ☐ | ☐ | |
| R20-D54 | W231395 | 180.67 | 181.96 | 0.03 | 0 | 23 | 2 | 29.0 | 6 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231397 | 181.96 | 183.48 | 0.01 | 0 | 15 | 3 | 52.0 | 5 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231398 | 183.48 | 185.30 | 0.01 | 0 | 41 | 3 | 36.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231399 | 185.30 | 186.18 | 0.02 | 0 | 45 | 6 | 71.0 | 5 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231400 | 186.18 | 186.68 | 0.01 | 0 | 84 | 7 | 31.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D54 | W231401 | 186.68 | 188.08 | 0.01 | 0 | 21 | 3 | 40.0 | 6 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231402 | 188.08 | 189.59 | 0.01 | 0 | 31 | 3 | 40.0 | 6 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231403 | 189.59 | 190.06 | 0.01 | 0 | 30 | 2 | 34.0 | 7 | 2.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231404 | 190.06 | 190.57 | 0.02 | 0 | 34 | 2 | 29.0 | 6 | 2.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231406 | 190.57 | 191.53 | 0.01 | 0 | 34 | 2 | 32.0 | 7 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231407 | 191.53 | 192.00 | 0.01 | 0 | 49 | 5 | 28.0 | 7 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231408 | 192.00 | 192.92 | 0.01 | 0 | 43 | 4 | 50.0 | 7 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231409 | 192.92 | 194.16 | 0.06 | 0 | 50 | 5 | 32.0 | 10 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231410 | 194.16 | 195.22 | 0.04 | 0 | 37 | 4 | 17.0 | 12 | 3.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231411 | 195.22 | 195.73 | 0.02 | 0 | 101 | 5 | 16.0 | 7 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231413 | 195.73 | 196.16 | 0.01 | 0 | 39 | 5 | 16.0 | 15 | 3.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231414 | 196.16 | 197.21 | 0.01 | 0 | 23 | 4 | 17.0 | 12 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231416 | 197.21 | 198.22 | 0.05 | 0 | 67 | 3 | 11.0 | 15 | 4.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231417 | 198.22 | 198.85 | 0.01 | 0 | 35 | 3 | 11.0 | 18 | 5.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231418 | 198.85 | 199.21 | 1.20 | 0 | 702 | 3 | 4.0 | 6 | 1.70 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D54 | W231419 | 198.85 | 199.21 | 1.28 | 0 | 677 | 4 | 6.0 | 6 | 1.70 | ☐ | ☑ | ☐ | ☐ | |
| R20-D54 | W231420 | 199.21 | 199.73 | 0.01 | 0 | 23 | 4 | 15.0 | 11 | 3.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231421 | 199.73 | 200.25 | 0.01 | 0 | 21 | 4 | 17.0 | 10 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231422 | 200.25 | 201.03 | 0.01 | 0 | 18 | 3 | 16.0 | 14 | 4.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231423 | 201.03 | 202.00 | 0.01 | 0 | 22 | 3 | 14.0 | 10 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231424 | 202.00 | 203.13 | 0.01 | 0 | 45 | 3 | 20.0 | 11 | 3.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231425 | 203.13 | 203.96 | 0.01 | 0 | 52 | 3 | 22.0 | 11 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231426 | 203.96 | 204.89 | 0.01 | 0 | 46 | 4 | 26.0 | 8 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231427 | 204.89 | 206.08 | 0.01 | 0 | 49 | 3 | 18.0 | 8 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231428 | 206.08 | 206.97 | 0.01 | 0 | 80 | 4 | 21.0 | 10 | 2.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231429 | 206.97 | 208.11 | 0.03 | 0 | 58 | 5 | 18.0 | 7 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D54 | W231430 | 208.11 | 209.00 | 0.01 | 0 | 52 | 9 | 19.0 | 11 | 3.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231431 | 209.00 | 209.85 | 0.10 | 1 | 90 | 134 | 1160.0 | 7 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231433 | 209.85 | 210.35 | 0.05 | 1 | 40 | 296 | 4580.0 | 6 | 1.30 | ☑ | ☐ | ☐ | ☐ | |
| R20-D55 | W231432 | 209.85 | 210.35 | 0.13 | 4 | 117 | 598 | 6710.0 | 7 | 1.60 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D55 | W231434 | 210.35 | 212.00 | 0.09 | 1 | 32 | 74 | 116.0 | 9 | 2.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231435 | 212.00 | 213.25 | 0.06 | 3 | 92 | 975 | 9160.0 | 8 | 2.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231436 | 213.25 | 213.96 | 0.07 | 7 | 276 | 612 | 62700.0 | 15 | 2.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231437 | 213.96 | 214.75 | 0.11 | 4 | 129 | 1100 | 18500.0 | 9 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231438 | 214.75 | 215.49 | 0.10 | 3 | 87 | 942 | 6330.0 | 7 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231439 | 215.49 | 216.29 | 0.02 | 1 | 36 | 74 | 94.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231440 | 216.29 | 217.01 | 0.15 | 1 | 91 | 25 | 29.0 | 5 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231441 | 217.01 | 217.43 | 0.17 | 1 | 74 | 14 | 14.0 | 6 | 1.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231442 | 217.43 | 218.55 | 0.04 | 1 | 36 | 19 | 54.0 | 6 | 2.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231443 | 218.55 | 220.06 | 0.12 | 1 | 50 | 51 | 103.0 | 6 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231445 | 220.06 | 220.44 | 0.04 | 1 | 35 | 58 | 84.0 | 4 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231447 | 220.44 | 221.78 | 0.06 | 2 | 50 | 319 | 2010.0 | 7 | 2.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231448 | 221.78 | 223.00 | 0.04 | 2 | 62 | 249 | 6780.0 | 8 | 2.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231449 | 223.00 | 224.63 | 0.01 | 0 | 32 | 10 | 35.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231450 | 224.63 | 225.45 | 0.01 | 0 | 29 | 5 | 15.0 | 8 | 2.30 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D55 | W231451 | 225.45 | 225.92 | 0.07 | 0 | 56 | 5 | 22.0 | 5 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231452 | 225.45 | 225.92 | 0.03 | 0 | 57 | 6 | 20.0 | 5 | 1.70 | ☐ | ☑ | ☐ | ☐ | |
| R20-D55 | W231453 | 225.92 | 226.90 | 0.02 | 0 | 39 | 4 | 14.0 | 7 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231454 | 226.90 | 228.49 | 0.03 | 0 | 35 | 4 | 14.0 | 6 | 1.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231455 | 228.49 | 229.48 | 0.02 | 0 | 22 | 5 | 21.0 | 4 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231456 | 229.48 | 230.73 | 0.02 | 0 | 43 | 6 | 62.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231457 | 230.73 | 232.26 | 0.05 | 0 | 40 | 6 | 24.0 | 4 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231458 | 232.26 | 233.78 | 0.03 | 0 | 34 | 6 | 26.0 | 5 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231460 | 233.78 | 234.70 | 0.16 | 0 | 39 | 8 | 20.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231461 | 234.70 | 235.62 | 0.02 | 0 | 38 | 4 | 13.0 | 3 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231462 | 235.62 | 236.36 | 0.02 | 0 | 36 | 6 | 23.0 | 3 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231463 | 236.36 | 237.40 | 0.03 | 0 | 40 | 5 | 13.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231464 | 237.40 | 238.35 | 0.04 | 0 | 37 | 5 | 14.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231465 | 238.35 | 239.88 | 0.19 | 0 | 45 | 6 | 12.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231466 | 239.88 | 241.40 | 0.10 | 0 | 28 | 4 | 19.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D55 | W231467 | 241.40 | 242.93 | 0.04 | 0 | 28 | 4 | 15.0 | 3 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231468 | 242.93 | 244.45 | 0.05 | 0 | 19 | 4 | 18.0 | 2 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231469 | 244.45 | 245.97 | 0.04 | 0 | 24 | 5 | 20.0 | 2 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D55 | W231470 | 245.97 | 247.07 | 0.08 | 0 | 28 | 5 | 14.0 | 2 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231471 | 247.07 | 247.89 | 0.07 | 0 | 37 | 12 | 27.0 | 2 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231472 | 247.89 | 248.65 | 0.06 | 0 | 35 | 6 | 42.0 | 2 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231473 | 248.65 | 250.24 | 0.08 | 0 | 30 | 6 | 16.0 | 4 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231475 | 250.24 | 251.35 | 0.14 | 0 | 30 | 5 | 14.0 | 3 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231476 | 251.35 | 252.29 | 0.09 | 0 | 27 | 6 | 13.0 | 3 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231477 | 252.29 | 253.59 | 0.03 | 0 | 43 | 5 | 34.0 | 2 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231478 | 253.59 | 255.12 | 0.07 | 0 | 31 | 4 | 16.0 | 3 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231479 | 255.12 | 256.64 | 0.12 | 0 | 42 | 6 | 28.0 | 3 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231480 | 256.64 | 258.17 | 0.15 | 0 | 37 | 5 | 19.0 | 4 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231481 | 258.17 | 259.69 | 0.07 | 0 | 34 | 5 | 26.0 | 3 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231483 | 259.69 | 260.61 | 0.22 | 0 | 39 | 6 | 24.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D57 | W231484 | 260.61 | 261.65 | 0.16 | 0 | 32 | 5 | 16.0 | 4 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231485 | 261.65 | 262.58 | 0.09 | 0 | 31 | 5 | 27.0 | 3 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231487 | 262.58 | 263.45 | 0.03 | 0 | 40 | 7 | 31.0 | 2 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231488 | 263.45 | 264.26 | 0.01 | 0 | 22 | 3 | 22.0 | 3 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231489 | 264.26 | 265.79 | 0.01 | 0 | 28 | 4 | 23.0 | 4 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231490 | 265.79 | 266.00 | 0.01 | 0 | 50 | 11 | 69.0 | 3 | 0.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231491 | 265.79 | 266.00 | 0.03 | 0 | 56 | 8 | 58.0 | 3 | 0.90 | ☑ | ☐ | ☐ | ☐ | |
| R20-D57 | W231492 | 266.00 | 266.46 | 0.22 | 0 | 66 | 6 | 32.0 | 3 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231493 | 266.46 | 267.31 | 0.01 | 0 | 46 | 6 | 26.0 | 4 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231494 | 267.31 | 268.19 | 0.01 | 0 | 34 | 8 | 32.0 | 3 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231495 | 268.19 | 269.26 | 0.01 | 0 | 39 | 4 | 32.0 | 6 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231496 | 269.26 | 269.54 | 0.01 | 0 | 33 | 12 | 54.0 | 2 | 0.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231497 | 269.26 | 269.54 | 0.01 | 0 | 32 | 11 | 55.0 | 2 | 0.30 | ☐ | ☑ | ☐ | ☐ | |
| R20-D57 | W231498 | 269.54 | 271.88 | 0.02 | 0 | 53 | 9 | 31.0 | 7 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W231499 | 271.88 | 273.41 | 0.02 | 0 | 49 | 6 | 13.0 | 8 | 1.50 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D57 | W231500 | 273.41 | 276.45 | 0.04 | 0 | 55 | 6 | 23.0 | 7 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W232851 | 276.45 | 277.45 | 0.02 | 0 | 43 | 9 | 31.0 | 6 | 1.20 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W232852 | 277.45 | 277.96 | 0.03 | 0 | 50 | 15 | 69.0 | 9 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W232853 | 277.96 | 279.50 | 0.02 | 0 | 51 | 6 | 25.0 | 8 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W232854 | 279.50 | 281.03 | 0.05 | 0 | 59 | 6 | 16.0 | 9 | 1.40 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W232855 | 281.03 | 282.55 | 0.10 | 0 | 59 | 6 | 17.0 | 10 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W232856 | 282.55 | 282.89 | 0.06 | 0 | 51 | 4 | 17.0 | 8 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W232857 | 282.89 | 283.04 | 0.08 | 0 | 94 | 6 | 21.0 | 8 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W232858 | 283.04 | 284.07 | 0.06 | 0 | 37 | 4 | 17.0 | 9 | 1.50 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W232859 | 284.07 | 284.92 | 0.03 | 0 | 33 | 4 | 28.0 | 10 | 1.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D57 | W232860 | 284.92 | 285.82 | 0.02 | 0 | 26 | 4 | 14.0 | 10 | 1.70 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232862 | 285.82 | 286.05 | 0.02 | 0 | 68 | 5 | 16.0 | 6 | 1.10 | ☐ | ☑ | ☐ | ☐ | |
| R20-D58 | W232861 | 285.82 | 286.05 | 0.06 | 0 | 61 | 5 | 16.0 | 6 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232863 | 286.05 | 287.12 | 0.03 | 0 | 50 | 4 | 26.0 | 7 | 1.30 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232864 | 287.12 | 288.65 | 0.05 | 0 | 28 | 3 | 12.0 | 5 | 1.20 | ☐ | ☐ | ☐ | ☐ | |

| Batch | Sample | From (m) | To (m) | Au g/t | Ag g/t | Cu ppm | Pb ppm | Zn ppm | Sn ppm | W ppm | ¼ Dup | Crs. Dup | Blk | Standard | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R20-D58 | W232865 | 288.65 | 290.17 | 0.03 | 0 | 44 | 7 | 23.0 | 5 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232867 | 290.17 | 291.69 | 0.07 | 0 | 37 | 4 | 25.0 | 3 | 1.00 | ☑ | ☐ | ☐ | ☐ | |
| R20-D58 | W232866 | 290.17 | 291.69 | 0.05 | 0 | 32 | 3 | 19.0 | 3 | 0.80 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232868 | 291.69 | 293.22 | 0.06 | 0 | 45 | 4 | 33.0 | 2 | 0.60 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232869 | 293.22 | 296.27 | 0.04 | 0 | 39 | 4 | 32.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232871 | 296.27 | 299.31 | 0.09 | 0 | 56 | 7 | 34.0 | 3 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232872 | 299.31 | 302.36 | 0.03 | 0 | 54 | 5 | 22.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232873 | 302.36 | 305.41 | 0.03 | 0 | 41 | 5 | 17.0 | 3 | 1.00 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232874 | 305.41 | 308.46 | 0.09 | 0 | 38 | 5 | 20.0 | 3 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232875 | 308.46 | 309.98 | 0.11 | 0 | 47 | 8 | 64.0 | 2 | 0.90 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232877 | 309.98 | 313.03 | 0.11 | 0 | 45 | 5 | 19.0 | 2 | 1.10 | ☐ | ☐ | ☐ | ☐ | |
| R20-D58 | W232878 | 313.03 | 315.07 | 0.03 | 0 | 36 | 7 | 22.0 | 2 | 1.20 | ☐ | ☐ | ☐ | ☐ | |

## APPENDIX XII

## DIAMOND DRILLING - CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

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

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


**Finalized Date: 26-JAN-2021**
**Account: RCM**

# CERTIFICATE WH21003526

Project: Rau

This report is for 58 Pulp samples submitted to our lab in Whitehorse, YT, Canada on 6-JAN-2021.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| FND-02 | Find Sample for Addn Analysis |
| SPL-34 | Pulp Splitting Charge |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA13 | Au by cyanide leach and AAS | AAS |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 26-JAN-2021**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH21003526

| Sample Description | Method Analyte Units LOD | Au-AA13 Au ppm 0.03 |
|---|---|---|
| R615239 | | 0.14 |
| W233207 | | 0.66 |
| W233279 | | 0.35 |
| W233281 | | 0.46 |
| W233313 | | <0.03 |
| R613417 | | <0.03 |
| R613522 | | 0.61 |
| W233434 | | 0.91 |
| W233510 | | 0.20 |
| R613841 | | 1.72 |
| R613843 | | 4.08 |
| R613884 | | <0.03 |
| R613886 | | <0.03 |
| R613887 | | 0.16 |
| R613888 | | 0.23 |
| R613889 | | 0.50 |
| R613894 | | 0.04 |
| W233644 | | 5.10 |
| W233645 | | 2.47 |
| W233646 | | 0.95 |
| W233648 | | 2.49 |
| W233649 | | 0.62 |
| W233653 | | 0.83 |
| W233655 | | 0.22 |
| W233666 | | 0.28 |
| W233667 | | 0.65 |
| W233675 | | 0.55 |
| W233678 | | 2.58 |
| W233694 | | 0.37 |
| W233760 | | 1.20 |
| R613700 | | 0.19 |
| W233577 | | 0.28 |
| W233629 | | 0.50 |
| R613820 | | 2.38 |
| W233761 | | 0.39 |
| W233774 | | 0.35 |
| R613988 | | 0.37 |
| R613997 | | 0.46 |
| R614005 | | 1.47 |
| R614021 | | 0.07 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 26-JAN-2021**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH21003526

| Sample Description | Method Analyte Units LOD | Au-AA13 Au ppm 0.03 |
|---|---|---|
| R614121 | | 0.09 |
| R614122 | | 0.48 |
| R614129 | | 0.61 |
| R614151 | | 0.23 |
| R614158 | | 0.22 |
| R614164 | | 2.69 |
| R614177 | | 0.36 |
| R614194 | | 2.76 |
| R614198 | | 0.72 |
| R614095 | | 0.25 |
| R614096 | | 0.54 |
| R614102 | | 0.39 |
| R614103 | | 0.13 |
| R614114 | | <0.03 |
| W233856 | | 0.06 |
| W233927 | | 0.16 |
| R615301 | | 3.02 |
| W231418 | | 0.57 |

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 26-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH21003526

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | |
|---|---|
| Applies to Method: | FND-02 SPL-34 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Applies to Method: | Au-AA13 |

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 18-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20190171

Project: Tiger

P.O. No.: R20-D01

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 31-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |
| WSH-21 | "Wash" crushers |
| WSH-22 | "Wash" pulverizers |
| WEI-22 | Dry Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Tiger


**Finalized Date: 18-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20190171

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| Q050751 | | 6.80 | <0.01 | 0.04 | 0.80 | 18.7 | 300 | 0.30 | 0.79 | 21.6 | 0.03 | 7.66 | 0.9 | 11 | 2.16 | 2.4 |
| Q050752 | | 12.42 | 0.01 | 0.06 | 0.89 | 159.0 | 280 | 0.38 | 1.32 | 21.3 | 0.11 | 8.75 | 1.3 | 12 | 3.54 | 3.3 |
| Q050753 | | 11.99 | <0.01 | 0.33 | 0.46 | 156.0 | 30 | 0.30 | 2.07 | 23.3 | 0.91 | 8.06 | 1.1 | 6 | 2.31 | 4.7 |
| Q050754 | | 6.91 | <0.01 | 0.01 | 0.20 | 0.2 | 30 | 0.08 | 0.02 | 33.0 | <0.02 | 1.17 | 0.5 | 2 | <0.05 | 2.1 |
| Q050755 | | 11.73 | <0.01 | 0.01 | 0.21 | 7.7 | 80 | 0.09 | 0.16 | 35.7 | 0.09 | 5.75 | 0.8 | 3 | 0.31 | 1.6 |
| Q050756 | | 5.52 | <0.01 | 0.01 | 0.08 | 1.4 | 40 | <0.05 | 0.01 | 38.2 | 0.08 | 2.53 | 0.7 | 2 | 0.05 | 1.9 |
| Q050757 | | 6.00 | <0.01 | 0.01 | 0.10 | 1.4 | 50 | 0.05 | 0.02 | 38.1 | 0.07 | 2.74 | 0.9 | 2 | 0.06 | 2.2 |
| Q050758 | | 2.86 | 0.13 | 0.64 | 0.60 | 462 | 390 | 0.33 | 2.79 | 26.2 | 1.44 | 9.29 | 2.0 | 12 | 0.77 | 2.6 |
| Q050759 | | 0.05 | 3.01 | 1.72 | 6.60 | 1920 | 380 | 1.23 | 2.77 | 2.14 | 1.11 | 33.5 | 48.0 | 618 | 4.76 | 1090 |
| Q050760 | | 5.37 | 0.11 | 0.71 | 0.63 | 530 | 360 | 0.40 | 3.52 | 24.4 | 2.20 | 9.63 | 2.6 | 13 | 0.79 | 4.0 |
| Q050761 | | 4.21 | 0.08 | 1.08 | 0.62 | 480 | 350 | 0.40 | 4.95 | 23.7 | 2.47 | 7.91 | 2.2 | 15 | 0.53 | 2.8 |
| Q050762 | | 4.83 | 0.03 | 0.58 | 0.32 | 243 | 270 | 0.30 | 3.13 | 22.7 | 4.72 | 6.72 | 1.2 | 7 | 0.32 | 2.5 |
| Q050763 | | 3.98 | 0.09 | 0.47 | 0.39 | 380 | 260 | 0.33 | 2.18 | 23.9 | 2.08 | 7.95 | 1.4 | 8 | 0.45 | 1.7 |
| Q050764 | | 1.14 | 0.02 | 0.44 | 0.36 | 286 | 260 | 0.29 | 3.30 | 22.9 | 2.24 | 8.60 | 1.6 | 9 | 0.31 | 2.0 |
| Q050765 | | 1.17 | <0.01 | <0.01 | 0.28 | 0.9 | 110 | 0.08 | 0.03 | 34.8 | 0.02 | 3.47 | 0.5 | 3 | 0.11 | 1.2 |
| Q050766 | | 2.32 | <0.01 | 0.01 | 0.51 | 1.1 | 200 | 0.17 | 0.04 | 35.8 | 0.03 | 4.61 | 1.0 | 6 | 0.23 | 2.4 |
| Q050767 | | 5.23 | <0.01 | 0.02 | 0.18 | 1.1 | 110 | 0.08 | 0.02 | 37.5 | 0.12 | 2.51 | 0.6 | 3 | 0.16 | 1.8 |
| Q050768 | | 5.31 | 0.01 | 0.01 | 0.14 | 1.5 | 120 | 0.06 | 0.02 | 36.2 | 0.08 | 1.63 | 0.6 | 2 | 0.06 | 0.9 |
| Q050769 | | 5.45 | <0.01 | 0.02 | 0.09 | 2.7 | 140 | 0.06 | 0.03 | 36.4 | 1.10 | 2.14 | 0.5 | 2 | 0.05 | 0.8 |
| Q050770 | | 5.47 | <0.01 | 0.03 | 0.25 | 2.9 | 440 | 0.14 | 0.05 | 36.2 | 0.42 | 4.46 | 0.7 | 4 | 0.32 | 1.1 |
| Q050771 | | 0.05 | 0.43 | 1.53 | 9.12 | 5.0 | 320 | 1.35 | 0.37 | 3.52 | 0.07 | 35.3 | 19.4 | 108 | 1.78 | 33.0 |
| Q050772 | | 4.72 | 0.31 | 0.04 | 0.43 | 53.5 | 130 | 0.17 | 2.26 | 28.8 | 0.23 | 4.20 | 1.5 | 8 | 0.77 | 1.8 |
| Q050773 | | 5.41 | <0.01 | 0.02 | 0.09 | 7.9 | 30 | 0.11 | 0.85 | 21.3 | 0.03 | 2.49 | 0.8 | 2 | 0.67 | 1.1 |
| Q050774 | | 4.69 | <0.01 | 0.06 | 0.04 | 51.4 | 30 | 0.08 | 13.90 | 21.6 | 0.21 | 2.76 | 0.9 | 2 | 0.43 | 1.0 |
| Q050775 | | 5.38 | <0.01 | 0.01 | 0.05 | 8.9 | 10 | 0.09 | 0.27 | 21.1 | 0.06 | 4.32 | 0.4 | 2 | 0.21 | 0.5 |
| Q050776 | | 3.31 | <0.01 | 0.03 | 0.12 | 9.8 | 80 | 0.05 | 0.11 | 12.75 | 0.06 | 6.09 | 0.4 | 5 | 0.48 | 0.7 |
| Q050777 | | 4.88 | <0.01 | 0.02 | 0.08 | 18.0 | 30 | 0.09 | 0.14 | 19.10 | 0.11 | 6.82 | 0.5 | 2 | 0.58 | 0.7 |
| Q050778 | | 0.56 | <0.01 | 0.01 | 0.15 | 78.0 | 120 | 0.25 | 0.28 | 22.8 | 1.28 | 2.31 | 2.0 | 2 | 1.33 | 1.9 |
| Q050779 | | 2.03 | 0.01 | 0.01 | 0.09 | 35.7 | 100 | 0.11 | 0.74 | 21.0 | 0.32 | 1.96 | 1.2 | 2 | 0.78 | 0.9 |
| Q050780 | | 4.68 | <0.01 | 0.01 | 0.12 | 35.3 | 80 | 0.15 | 0.36 | 20.8 | 0.27 | 1.98 | 1.3 | 3 | 0.92 | 0.9 |
| Q050781 | | 3.04 | <0.01 | 0.03 | 0.08 | 22.3 | 30 | 0.15 | 1.50 | 21.2 | 0.25 | 2.23 | 1.6 | 2 | 0.36 | 1.4 |
| Q050782 | | 4.27 | <0.01 | 0.01 | 0.03 | 18.3 | 30 | 0.11 | 0.44 | 21.4 | 0.17 | 2.90 | 0.5 | 1 | 0.39 | 0.8 |
| Q050783 | | <0.02 | <0.01 | 0.02 | 0.03 | 19.3 | 40 | 0.09 | 0.61 | 21.7 | 0.19 | 2.94 | 0.6 | 2 | 0.37 | 0.8 |
| Q050784 | | 5.58 | <0.01 | 0.03 | 0.05 | 26.1 | 30 | 0.08 | 0.89 | 20.6 | 0.04 | 3.00 | 0.5 | 2 | 0.47 | 1.3 |
| Q050785 | | 4.67 | <0.01 | 0.02 | 0.05 | 7.6 | 60 | 0.11 | 0.78 | 22.1 | 0.05 | 3.10 | 0.4 | 2 | 0.57 | 0.6 |
| Q050786 | | 3.63 | <0.01 | 0.03 | 0.11 | 3.8 | 60 | 0.13 | 0.68 | 21.2 | 0.04 | 3.58 | 0.5 | 4 | 1.32 | 1.0 |
| Q050787 | | 5.49 | <0.01 | 0.02 | 0.04 | 10.8 | 40 | 0.08 | 0.40 | 20.4 | 0.06 | 2.03 | 0.4 | 2 | 0.37 | 1.1 |
| Q050788 | | 3.69 | <0.01 | 0.08 | 0.08 | 6.4 | 60 | 0.13 | 0.51 | 20.4 | 0.05 | 2.12 | 0.4 | 4 | 0.53 | 1.2 |
| Q050789 | | 3.76 | 0.01 | 0.26 | 0.06 | 30.9 | 1420 | 0.18 | 0.65 | 21.0 | 1.35 | 3.35 | 0.7 | 3 | 0.16 | 22.3 |
| Q050790 | | 5.78 | 0.01 | 0.12 | 0.20 | 9.6 | 60 | 0.17 | 1.29 | 20.8 | 0.13 | 3.86 | 1.6 | 6 | 1.13 | 1.5 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 18-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190171

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| Q050751 | | 0.90 | 3.51 | 0.07 | 0.5 | 0.019 | 0.45 | 5.2 | 6.1 | 11.40 | 998 | 0.11 | 0.02 | 4.4 | 1.8 | 510 |
| Q050752 | | 1.36 | 4.19 | 0.09 | 0.5 | 0.018 | 0.53 | 5.8 | 6.3 | 11.40 | 1130 | 0.13 | 0.01 | 5.1 | 3.5 | 500 |
| Q050753 | | 1.82 | 2.31 | 0.06 | 0.3 | 0.084 | 0.19 | 5.4 | 3.5 | 9.67 | 1930 | 0.14 | 0.02 | 2.5 | 2.9 | 220 |
| Q050754 | | 0.12 | 0.67 | 0.10 | 0.1 | <0.005 | 0.08 | 1.2 | 1.1 | 1.80 | 115 | <0.05 | 0.10 | 0.3 | 0.3 | 70 |
| Q050755 | | 0.38 | 0.70 | 0.09 | 0.1 | 0.085 | 0.11 | 5.1 | 1.0 | 0.46 | 563 | 0.09 | <0.01 | 1.3 | 1.6 | 130 |
| Q050756 | | 0.16 | 0.27 | 0.11 | 0.1 | <0.005 | 0.04 | 2.8 | 0.4 | 0.33 | 165 | <0.05 | <0.01 | 0.5 | 1.1 | 70 |
| Q050757 | | 0.20 | 0.29 | 0.10 | 0.1 | <0.005 | 0.05 | 3.0 | 0.5 | 0.32 | 166 | <0.05 | <0.01 | 0.5 | 1.8 | 60 |
| Q050758 | | 2.20 | 2.64 | 0.07 | 0.4 | 0.029 | 0.22 | 6.5 | 2.7 | 7.67 | 1690 | 0.32 | 0.03 | 3.4 | 7.2 | 330 |
| Q050759 | | 8.71 | 16.65 | 0.10 | 6.2 | 0.122 | 1.40 | 16.9 | 25.4 | 2.45 | 820 | 7.01 | 0.86 | 3.3 | 542 | 380 |
| Q050760 | | 2.77 | 3.03 | 0.05 | 0.4 | 0.126 | 0.25 | 6.3 | 2.4 | 7.77 | 1430 | 0.34 | 0.02 | 2.9 | 7.7 | 280 |
| Q050761 | | 2.69 | 2.89 | <0.05 | 0.4 | 0.054 | 0.25 | 4.8 | 2.1 | 8.88 | 1220 | 0.37 | 0.02 | 3.1 | 7.3 | 240 |
| Q050762 | | 1.56 | 1.42 | <0.05 | 0.3 | 0.062 | 0.15 | 4.2 | 2.2 | 10.85 | 1480 | 0.55 | 0.02 | 1.8 | 4.2 | 170 |
| Q050763 | | 1.67 | 1.54 | <0.05 | 0.3 | 0.043 | 0.18 | 5.3 | 2.6 | 9.95 | 1320 | 0.61 | 0.02 | 2.6 | 5.0 | 160 |
| Q050764 | | 1.71 | 1.64 | <0.05 | 0.4 | 0.037 | 0.13 | 5.5 | 2.4 | 10.70 | 1310 | 0.35 | 0.02 | 2.4 | 5.9 | 220 |
| Q050765 | | 0.18 | 0.65 | 0.06 | 0.1 | <0.005 | 0.16 | 1.8 | 1.1 | 0.73 | 78 | 0.88 | <0.01 | 0.4 | 1.3 | 10 |
| Q050766 | | 0.31 | 1.33 | 0.06 | 0.2 | <0.005 | 0.31 | 2.2 | 2.3 | 1.01 | 90 | 1.03 | <0.01 | 0.9 | 3.4 | 20 |
| Q050767 | | 0.17 | 0.50 | 0.06 | 0.1 | <0.005 | 0.09 | 1.3 | 0.6 | 0.72 | 129 | 0.32 | <0.01 | 0.3 | 1.7 | 10 |
| Q050768 | | 0.14 | 0.32 | 0.06 | <0.1 | <0.005 | 0.07 | 1.0 | 0.5 | 0.78 | 111 | 0.24 | <0.01 | 0.2 | 1.5 | 10 |
| Q050769 | | 0.18 | 0.23 | 0.07 | <0.1 | <0.005 | 0.04 | 1.3 | 0.3 | 0.62 | 444 | 0.23 | <0.01 | 0.1 | 1.3 | <10 |
| Q050770 | | 0.30 | 0.68 | 0.06 | 0.1 | 0.008 | 0.13 | 2.6 | 1.0 | 0.81 | 944 | 0.30 | <0.01 | 0.4 | 1.9 | <10 |
| Q050771 | | 7.16 | 30.7 | 0.08 | 4.6 | 0.089 | 1.27 | 16.1 | 12.8 | 1.55 | 729 | 8.46 | 1.95 | 12.1 | 22.0 | 460 |
| Q050772 | | 0.51 | 1.08 | 0.06 | 0.1 | 0.012 | 0.23 | 2.2 | 2.8 | 6.10 | 275 | 0.28 | 0.01 | 0.7 | 4.7 | 30 |
| Q050773 | | 0.28 | 0.38 | 0.16 | <0.1 | <0.005 | 0.06 | 1.7 | 2.4 | 13.10 | 333 | 1.33 | 0.01 | 0.2 | 2.5 | 20 |
| Q050774 | | 0.61 | 0.25 | 0.11 | <0.1 | 0.006 | 0.03 | 2.1 | 2.5 | 13.10 | 423 | 0.23 | 0.01 | 0.1 | 3.5 | 10 |
| Q050775 | | 0.19 | 0.38 | 0.20 | <0.1 | <0.005 | 0.01 | 3.7 | 2.9 | 12.80 | 350 | 0.09 | 0.01 | 0.1 | 2.4 | 10 |
| Q050776 | | 0.40 | 0.50 | 0.12 | <0.1 | <0.005 | 0.05 | 3.5 | 3.1 | 7.16 | 307 | 0.22 | 0.01 | <0.1 | 5.4 | <10 |
| Q050777 | | 0.26 | 0.54 | 0.21 | <0.1 | <0.005 | 0.04 | 3.7 | 2.6 | 11.45 | 366 | 0.14 | 0.01 | 0.1 | 5.4 | 10 |
| Q050778 | | 0.78 | 0.59 | 0.11 | 0.1 | <0.005 | 0.09 | 1.5 | 3.2 | 11.15 | 400 | 0.28 | 0.02 | 0.3 | 9.0 | 10 |
| Q050779 | | 0.42 | 0.35 | 0.15 | <0.1 | <0.005 | 0.06 | 1.3 | 3.3 | 12.70 | 279 | 0.26 | 0.01 | 0.2 | 3.6 | 10 |
| Q050780 | | 0.60 | 0.46 | 0.13 | <0.1 | 0.006 | 0.06 | 1.2 | 2.9 | 12.45 | 316 | 0.26 | 0.01 | 0.3 | 4.5 | 10 |
| Q050781 | | 0.43 | 0.51 | 0.16 | <0.1 | <0.005 | 0.03 | 1.3 | 2.7 | 12.90 | 405 | 1.03 | 0.02 | 0.1 | 4.7 | 10 |
| Q050782 | | 0.29 | 0.23 | 0.23 | <0.1 | <0.005 | 0.03 | 2.5 | 3.7 | 13.00 | 372 | 0.32 | 0.01 | 0.1 | 2.4 | 20 |
| Q050783 | | 0.31 | 0.24 | 0.20 | <0.1 | <0.005 | 0.03 | 2.5 | 3.6 | 13.05 | 377 | 0.34 | 0.01 | 0.1 | 2.4 | 20 |
| Q050784 | | 0.62 | 0.26 | 0.14 | <0.1 | 0.005 | 0.04 | 2.5 | 3.5 | 12.65 | 391 | 0.82 | 0.01 | 0.1 | 3.3 | 20 |
| Q050785 | | 0.16 | 0.31 | 0.24 | <0.1 | <0.005 | 0.04 | 2.6 | 3.8 | 12.80 | 387 | 1.32 | 0.02 | 0.1 | 2.3 | 20 |
| Q050786 | | 0.19 | 0.58 | 0.26 | <0.1 | <0.005 | 0.10 | 3.0 | 3.2 | 11.95 | 428 | 1.42 | 0.01 | 0.3 | 3.3 | 20 |
| Q050787 | | 0.18 | 0.32 | 0.25 | <0.1 | <0.005 | 0.03 | 1.7 | 2.4 | 12.30 | 299 | 0.97 | 0.01 | 0.1 | 3.8 | 20 |
| Q050788 | | 0.23 | 0.36 | 0.25 | <0.1 | <0.005 | 0.04 | 1.9 | 2.7 | 12.35 | 319 | 1.21 | 0.01 | 0.2 | 3.5 | 10 |
| Q050789 | | 0.71 | 0.31 | 0.14 | <0.1 | 0.044 | 0.02 | 2.7 | 3.0 | 12.00 | 797 | 0.93 | 0.01 | 0.1 | 5.0 | 20 |
| Q050790 | | 0.43 | 0.80 | 0.14 | 0.1 | 0.015 | 0.11 | 2.7 | 2.7 | 11.95 | 502 | 1.56 | 0.01 | 0.6 | 5.8 | 20 |

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

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

Project: Tiger


**Finalized Date: 18-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20190171

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| Q050751 | | 2.1 | 21.8 | <0.002 | 0.19 | 0.46 | 1.4 | <1 | 1.1 | 72.2 | 0.26 | <0.05 | 0.85 | 0.104 | 0.20 | 0.8 |
| Q050752 | | 6.9 | 37.1 | <0.002 | 0.52 | 0.68 | 1.5 | 1 | 1.1 | 68.7 | 0.29 | <0.05 | 0.81 | 0.112 | 0.31 | 0.7 |
| Q050753 | | 65.5 | 24.3 | <0.002 | 0.24 | 0.76 | 1.0 | 1 | 2.9 | 74.1 | 0.15 | <0.05 | 0.56 | 0.056 | 0.23 | 0.6 |
| Q050754 | | 0.5 | 2.3 | <0.002 | 0.01 | 0.07 | 0.2 | <1 | <0.2 | 77.9 | <0.05 | <0.05 | 0.31 | 0.005 | 0.02 | 0.2 |
| Q050755 | | 2.9 | 4.2 | <0.002 | 0.18 | 0.24 | 0.6 | 1 | 0.2 | 173.5 | 0.08 | <0.05 | 0.25 | 0.028 | 0.05 | 0.2 |
| Q050756 | | 0.8 | 1.3 | <0.002 | 0.06 | 0.08 | 0.3 | 1 | <0.2 | 126.5 | <0.05 | <0.05 | 0.12 | 0.011 | <0.02 | 0.1 |
| Q050757 | | 0.9 | 1.4 | <0.002 | 0.08 | 0.08 | 0.3 | 1 | <0.2 | 129.0 | <0.05 | <0.05 | 0.12 | 0.012 | <0.02 | 0.1 |
| Q050758 | | 23.5 | 19.8 | <0.002 | <0.01 | 0.44 | 1.9 | 1 | 1.0 | 55.6 | 0.18 | 0.06 | 0.63 | 0.100 | 0.16 | 0.5 |
| Q050759 | | 252 | 70.7 | 0.003 | 1.48 | 187.0 | 21.2 | 2 | 3.0 | 132.0 | 0.31 | 1.78 | 4.65 | 0.238 | 0.97 | 1.6 |
| Q050760 | | 39.3 | 24.1 | <0.002 | <0.01 | 0.58 | 2.2 | 1 | 4.0 | 63.3 | 0.16 | 0.15 | 0.59 | 0.089 | 0.16 | 0.5 |
| Q050761 | | 55.7 | 22.3 | <0.002 | <0.01 | 0.58 | 1.7 | 1 | 2.8 | 78.5 | 0.17 | 0.31 | 0.48 | 0.093 | 0.14 | 0.5 |
| Q050762 | | 39.4 | 11.9 | <0.002 | <0.01 | 0.52 | 1.2 | 1 | 2.1 | 83.5 | 0.10 | 0.15 | 0.27 | 0.055 | 0.08 | 0.3 |
| Q050763 | | 27.1 | 18.7 | <0.002 | <0.01 | 0.41 | 1.2 | 1 | 1.8 | 84.9 | 0.15 | 0.10 | 0.40 | 0.070 | 0.11 | 0.3 |
| Q050764 | | 34.9 | 11.7 | <0.002 | <0.01 | 0.49 | 1.1 | 1 | 2.2 | 88.1 | 0.14 | 0.19 | 0.37 | 0.072 | 0.09 | 0.4 |
| Q050765 | | 0.8 | 4.1 | <0.002 | 0.06 | 0.06 | 0.5 | 1 | <0.2 | 204 | <0.05 | <0.05 | 0.40 | 0.015 | 0.04 | 0.3 |
| Q050766 | | 1.4 | 8.7 | <0.002 | 0.15 | 0.08 | 1.0 | 1 | <0.2 | 221 | 0.05 | <0.05 | 0.61 | 0.027 | 0.08 | 0.4 |
| Q050767 | | 2.9 | 3.6 | <0.002 | 0.05 | 0.16 | 0.4 | 1 | <0.2 | 186.0 | <0.05 | <0.05 | 0.27 | 0.009 | 0.04 | 0.4 |
| Q050768 | | 1.6 | 2.4 | <0.002 | 0.06 | 0.14 | 0.3 | 1 | <0.2 | 175.0 | <0.05 | <0.05 | 0.22 | 0.006 | 0.02 | 0.7 |
| Q050769 | | 2.9 | 1.4 | <0.002 | 0.06 | 0.22 | 0.2 | 1 | <0.2 | 169.5 | <0.05 | <0.05 | 0.16 | <0.005 | 0.02 | 0.6 |
| Q050770 | | 9.4 | 6.6 | <0.002 | 0.07 | 0.30 | 0.5 | 1 | <0.2 | 191.0 | <0.05 | <0.05 | 0.37 | 0.013 | 0.06 | 0.5 |
| Q050771 | | 18.0 | 61.5 | <0.002 | 0.04 | 0.57 | 18.5 | 1 | 2.8 | 149.0 | 1.15 | <0.05 | 25.5 | 0.724 | 0.38 | 5.0 |
| Q050772 | | 10.6 | 12.3 | 0.002 | 0.31 | 0.77 | 0.9 | 1 | 0.2 | 141.5 | <0.05 | <0.05 | 0.52 | 0.028 | 0.08 | 0.4 |
| Q050773 | | 1.4 | 8.2 | <0.002 | 0.07 | 0.20 | 0.2 | 1 | <0.2 | 38.0 | <0.05 | <0.05 | 0.15 | 0.006 | 0.06 | 0.1 |
| Q050774 | | 1.8 | 6.2 | <0.002 | 0.05 | 0.63 | 0.2 | 1 | <0.2 | 46.0 | <0.05 | 0.06 | 0.11 | <0.005 | 0.05 | 0.1 |
| Q050775 | | 1.5 | 1.8 | <0.002 | <0.01 | 0.20 | 0.2 | 1 | <0.2 | 39.9 | <0.05 | <0.05 | 0.10 | <0.005 | <0.02 | 0.2 |
| Q050776 | | 1.5 | 5.6 | <0.002 | 0.01 | 0.33 | 0.2 | 1 | <0.2 | 34.4 | <0.05 | <0.05 | 0.07 | <0.005 | 0.05 | 0.1 |
| Q050777 | | 1.3 | 5.7 | <0.002 | <0.01 | 0.24 | 0.2 | 1 | <0.2 | 49.4 | <0.05 | 0.05 | 0.14 | <0.005 | 0.05 | 0.3 |
| Q050778 | | 1.2 | 8.0 | <0.002 | <0.01 | 2.36 | 0.3 | 1 | <0.2 | 38.7 | <0.05 | <0.05 | 0.24 | 0.009 | 0.16 | 0.8 |
| Q050779 | | 5.3 | 4.5 | <0.002 | <0.01 | 0.43 | 0.2 | 1 | <0.2 | 34.2 | <0.05 | <0.05 | 0.15 | 0.005 | 0.07 | 0.3 |
| Q050780 | | 1.3 | 8.2 | <0.002 | <0.01 | 0.20 | 0.3 | 1 | 0.2 | 34.9 | <0.05 | <0.05 | 0.15 | 0.008 | 0.07 | 0.3 |
| Q050781 | | 2.2 | 5.2 | <0.002 | <0.01 | 0.25 | 0.2 | 1 | 0.2 | 36.5 | <0.05 | 0.08 | 0.12 | 0.005 | 0.06 | 0.3 |
| Q050782 | | 4.2 | 4.8 | <0.002 | 0.03 | 0.24 | 0.1 | 1 | <0.2 | 47.2 | <0.05 | <0.05 | 0.07 | <0.005 | 0.03 | 0.2 |
| Q050783 | | 4.3 | 5.1 | <0.002 | 0.03 | 0.23 | 0.1 | 1 | <0.2 | 46.9 | <0.05 | <0.05 | 0.07 | <0.005 | 0.03 | 0.2 |
| Q050784 | | 1.8 | 6.9 | <0.002 | 0.53 | 0.25 | 0.2 | 1 | <0.2 | 41.4 | <0.05 | <0.05 | 0.10 | <0.005 | 0.05 | 0.2 |
| Q050785 | | 3.0 | 7.1 | <0.002 | 0.05 | 0.25 | 0.2 | 1 | 0.2 | 64.6 | <0.05 | <0.05 | 0.10 | <0.005 | 0.06 | 0.2 |
| Q050786 | | 2.3 | 19.1 | 0.007 | 0.07 | 0.29 | 0.3 | 1 | 0.2 | 63.2 | <0.05 | 0.05 | 0.26 | 0.007 | 0.11 | 0.6 |
| Q050787 | | 1.5 | 3.7 | 0.002 | 0.07 | 0.33 | 0.1 | 1 | <0.2 | 34.6 | <0.05 | <0.05 | 0.08 | <0.005 | 0.05 | 0.3 |
| Q050788 | | 2.5 | 3.6 | <0.002 | 0.06 | 0.40 | 0.2 | 1 | <0.2 | 29.2 | <0.05 | <0.05 | 0.13 | 0.005 | 0.06 | 0.3 |
| Q050789 | | 33.4 | 2.4 | <0.002 | 0.14 | 10.35 | 0.3 | 1 | 0.7 | 61.3 | <0.05 | <0.05 | 0.13 | <0.005 | 0.08 | 0.2 |
| Q050790 | | 5.2 | 19.7 | 0.002 | 0.23 | 0.69 | 0.6 | 1 | 0.6 | 47.6 | <0.05 | <0.05 | 0.28 | 0.016 | 0.13 | 0.3 |

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

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


**Finalized Date: 18-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190171

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | WEI-22 |
|---|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr | Dry Wt. |
| | Units | ppm | ppm | ppm | ppm | ppm | kg |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 | 0.02 |
| Q050751 | | 23 | 1.9 | 4.7 | 14 | 22.5 | 6.76 |
| Q050752 | | 20 | 2.0 | 5.2 | 51 | 21.5 | 12.34 |
| Q050753 | | 9 | 2.8 | 5.5 | 252 | 11.9 | 11.87 |
| Q050754 | | 1 | <0.1 | 2.4 | 4 | 3.3 | 6.95 |
| Q050755 | | 5 | 0.4 | 5.1 | 20 | 5.1 | 11.67 |
| Q050756 | | 2 | <0.1 | 3.6 | 7 | 2.8 | 5.49 |
| Q050757 | | 2 | 0.1 | 3.5 | 7 | 2.7 | 5.97 |
| Q050758 | | 19 | 3.1 | 6.9 | 212 | 18.3 | 2.71 |
| Q050759 | | 155 | 39.5 | 13.2 | 384 | 269 | |
| Q050760 | | 18 | 3.0 | 7.7 | 248 | 15.7 | 4.89 |
| Q050761 | | 20 | 2.7 | 5.9 | 260 | 22.2 | 3.95 |
| Q050762 | | 12 | 1.4 | 5.9 | 288 | 9.4 | 4.63 |
| Q050763 | | 13 | 1.9 | 5.8 | 241 | 10.7 | 3.80 |
| Q050764 | | 11 | 1.8 | 5.6 | 188 | 16.5 | 1.08 |
| Q050765 | | 4 | 0.1 | 1.4 | 4 | 3.4 | 1.16 |
| Q050766 | | 6 | 0.2 | 1.6 | 5 | 6.3 | 2.31 |
| Q050767 | | 3 | 0.2 | 0.9 | 22 | 2.6 | 5.20 |
| Q050768 | | 3 | 0.1 | 0.9 | 16 | 1.7 | 5.27 |
| Q050769 | | 3 | 0.1 | 1.0 | 201 | 1.3 | 5.42 |
| Q050770 | | 6 | 0.3 | 1.9 | 102 | 3.3 | 5.45 |
| Q050771 | | 208 | 0.7 | 22.4 | 67 | 158.5 | |
| Q050772 | | 8 | 1.6 | 1.7 | 66 | 5.1 | 4.69 |
| Q050773 | | 6 | 0.8 | 1.7 | 10 | 1.2 | 5.36 |
| Q050774 | | 6 | 0.3 | 2.8 | 56 | 0.5 | 4.63 |
| Q050775 | | 9 | 0.4 | 4.7 | 17 | 0.6 | 5.34 |
| Q050776 | | 24 | 0.3 | 3.9 | 18 | <0.5 | 3.28 |
| Q050777 | | 23 | 0.4 | 2.5 | 34 | 0.9 | 4.83 |
| Q050778 | | 5 | 8.4 | 1.1 | 176 | 2.2 | 0.54 |
| Q050779 | | 6 | 0.4 | 1.4 | 96 | 1.3 | 1.99 |
| Q050780 | | 8 | 0.4 | 1.2 | 129 | 1.4 | 4.60 |
| Q050781 | | 10 | 0.8 | 1.1 | 83 | 1.0 | 2.99 |
| Q050782 | | 10 | 0.4 | 3.0 | 50 | 0.5 | 4.23 |
| Q050783 | | 10 | 0.4 | 3.0 | 51 | 0.5 | |
| Q050784 | | 12 | 0.7 | 3.2 | 7 | 0.7 | 5.54 |
| Q050785 | | 14 | 0.7 | 3.4 | 9 | 0.7 | 4.64 |
| Q050786 | | 13 | 0.9 | 3.7 | 8 | 1.8 | 3.61 |
| Q050787 | | 12 | 0.4 | 2.0 | 9 | 0.8 | 5.46 |
| Q050788 | | 8 | 0.5 | 2.4 | 18 | 1.1 | 3.64 |
| Q050789 | | 15 | 0.7 | 3.7 | 153 | 0.9 | 3.71 |
| Q050790 | | 17 | 0.9 | 2.5 | 30 | 2.8 | 5.75 |

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

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**VANCOUVER BC V6B 1L8**

Project: Tiger


**Finalized Date: 18-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20190171

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | WEI-22 |
| WSH-21 | WSH-22 | | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20190173

Project: Tiger

P.O. No.: R20-D02

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 31-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |
| WSH-21 | "Wash" crushers |
| WSH-22 | "Wash" pulverizers |
| WEI-22 | Dry Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| OA-HSUL10 | Handling of High Sulphide Samples |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| As-OG62 | Ore Grade As - Four Acid | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**

Project: Tiger


**Finalized Date: 3-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20190173

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| Q050791 | | 4.62 | 0.02 | 0.12 | 0.27 | 37.1 | 110 | 0.22 | 1.33 | 15.55 | 0.17 | 2.67 | 1.2 | 8 | 1.00 | 2.5 |
| Q050792 | | 2.53 | 0.02 | 0.17 | 0.64 | 36.0 | 210 | 0.39 | 2.10 | 11.95 | 0.15 | 3.45 | 1.7 | 12 | 1.52 | 2.8 |
| Q050793 | | 0.05 | 0.40 | 1.61 | 8.56 | 5.4 | 310 | 1.35 | 0.35 | 3.20 | 0.07 | 34.0 | 20.9 | 105 | 1.81 | 34.9 |
| Q050794 | | 3.37 | 0.01 | 0.07 | 0.42 | 19.1 | 190 | 0.25 | 1.46 | 13.50 | 0.11 | 3.94 | 0.9 | 9 | 1.64 | 2.6 |
| Q050795 | | 5.44 | 0.18 | 0.44 | 0.75 | 666 | 450 | 0.38 | 13.25 | 12.60 | 0.48 | 3.60 | 2.0 | 14 | 1.17 | 9.0 |
| Q050796 | | 4.85 | 0.03 | 0.08 | 0.19 | 461 | 150 | 0.18 | 5.99 | 17.60 | 0.06 | 4.40 | 0.5 | 4 | 0.35 | 2.4 |
| Q050797 | | 5.43 | 0.63 | 2.80 | 0.17 | >10000 | 110 | 0.21 | 29.6 | 20.5 | 1.76 | 5.53 | 0.5 | 8 | 0.30 | 8.6 |
| Q050798 | | 5.66 | 0.08 | 2.15 | 0.10 | 1440 | 120 | 0.15 | 18.80 | 19.00 | 2.92 | 4.15 | 0.5 | 3 | 0.19 | 4.1 |
| Q050799 | | 5.11 | <0.01 | 0.01 | 0.11 | 1.3 | 20 | 0.09 | 0.06 | 32.8 | 0.11 | 1.03 | 0.7 | 2 | <0.05 | 1.5 |
| Q050800 | | 5.54 | 0.01 | 0.11 | 0.07 | 12.6 | 150 | 0.15 | 0.50 | 19.90 | 0.15 | 2.90 | 0.4 | 3 | 0.17 | 1.5 |
| Q050801 | | 3.45 | 0.01 | 0.26 | 0.19 | 25.2 | 300 | 0.25 | 1.40 | 20.1 | 0.40 | 3.03 | 0.7 | 5 | 0.29 | 2.0 |
| Q050802 | | 5.03 | <0.01 | 0.32 | 0.16 | 26.2 | 210 | 0.23 | 1.38 | 16.70 | 0.60 | 4.39 | 0.6 | 6 | 0.38 | 3.7 |
| Q050803 | | 3.00 | 0.01 | 0.14 | 0.31 | 12.2 | 430 | 0.32 | 0.82 | 20.4 | 0.27 | 4.30 | 0.8 | 8 | 0.48 | 1.9 |
| Q050804 | | 0.07 | 3.00 | 1.74 | 6.45 | 1890 | 370 | 1.30 | 2.86 | 2.06 | 1.15 | 34.6 | 51.5 | 598 | 4.76 | 1070 |
| Q050805 | | 7.27 | 0.09 | 0.15 | 0.73 | 405 | 630 | 0.39 | 6.51 | 19.75 | 1.18 | 20.5 | 3.0 | 12 | 1.04 | 4.6 |
| Q050806 | | 5.34 | 0.25 | 0.09 | 1.55 | 608 | 1160 | 0.52 | 13.65 | 16.85 | 0.05 | 17.55 | 4.9 | 29 | 1.73 | 6.3 |
| Q050807 | | 5.44 | 0.14 | 0.07 | 0.84 | 294 | 500 | 0.28 | 9.56 | 12.70 | 0.03 | 7.72 | 3.0 | 23 | 0.95 | 5.0 |
| Q050808 | | 11.19 | 0.46 | 0.09 | 1.02 | 119.0 | 470 | 0.33 | 8.55 | 15.85 | 0.04 | 12.30 | 3.0 | 28 | 1.07 | 10.6 |
| Q050809 | | 11.37 | 0.19 | 0.11 | 1.77 | 88.8 | 590 | 0.56 | 9.47 | 15.10 | 0.08 | 10.30 | 4.6 | 37 | 1.58 | 10.5 |
| Q050810 | | 6.19 | 0.25 | 0.08 | 1.55 | 85.5 | 340 | 0.56 | 10.50 | 15.85 | 0.05 | 11.10 | 3.7 | 29 | 1.03 | 7.4 |
| Q050811 | | 5.73 | 0.26 | 0.11 | 1.33 | 96.5 | 620 | 0.47 | 10.35 | 16.45 | 0.05 | 10.95 | 3.3 | 25 | 0.97 | 7.1 |
| Q050812 | | 11.95 | 0.17 | 0.07 | 0.86 | 74.1 | 450 | 0.32 | 24.0 | 17.85 | 0.04 | 11.95 | 2.5 | 17 | 0.61 | 4.4 |
| Q050813 | | 12.49 | 0.12 | 0.09 | 2.07 | 46.8 | 990 | 0.60 | 7.36 | 18.05 | 0.03 | 23.6 | 5.7 | 43 | 1.27 | 9.2 |
| Q050814 | | 12.38 | 1.35 | 0.20 | 0.31 | 136.5 | 290 | 0.18 | 42.8 | 19.70 | 0.05 | 6.43 | 0.9 | 5 | 0.53 | 30.0 |
| Q050815 | | 12.18 | 2.71 | 0.05 | 0.11 | 888 | 90 | 0.12 | 2.29 | 19.95 | 0.04 | 4.66 | 0.5 | 2 | 0.71 | 1.5 |
| Q050816 | | <0.02 | 0.56 | 0.03 | 0.12 | 530 | 110 | 0.13 | 2.02 | 21.2 | 0.04 | 4.92 | 0.5 | 3 | 0.73 | 1.6 |
| Q050817 | | 5.47 | <0.01 | 0.03 | 0.04 | 7.1 | 130 | 0.12 | 0.33 | 22.6 | 0.03 | 2.53 | 0.6 | 2 | 0.36 | 2.0 |
| Q050818 | | 3.14 | 0.01 | 0.03 | 0.06 | 14.9 | 230 | 0.17 | 0.29 | 21.3 | 0.09 | 2.74 | 0.6 | 3 | 0.55 | 2.6 |
| Q050819 | | 4.75 | 0.01 | 0.03 | 0.06 | 15.9 | 200 | 0.18 | 0.66 | 22.7 | 0.53 | 3.84 | 0.8 | 3 | 0.31 | 1.9 |
| Q050820 | | 2.17 | 0.01 | 0.04 | 0.11 | 19.8 | 260 | 0.23 | 2.67 | 20.8 | 0.05 | 2.68 | 0.8 | 5 | 0.49 | 2.3 |
| Q050821 | | 3.97 | 0.01 | 0.03 | 0.06 | 22.2 | 90 | 0.14 | 1.36 | 24.2 | 0.15 | 2.89 | 0.7 | 3 | 0.20 | 15.6 |
| Q050822 | | 4.44 | 0.01 | 0.03 | 0.06 | 115.5 | 130 | 0.15 | 0.67 | 21.7 | 0.45 | 2.06 | 1.3 | 3 | 0.41 | 9.2 |
| Q050823 | | 4.85 | 0.01 | 0.03 | 0.05 | 44.0 | 100 | 0.13 | 0.55 | 22.8 | 0.26 | 2.38 | 0.9 | 3 | 0.30 | 2.3 |
| Q050824 | | 5.75 | 0.01 | 0.02 | 0.06 | 11.4 | 60 | 0.10 | 1.46 | 21.7 | <0.02 | 2.26 | 0.5 | 4 | 0.34 | 1.2 |
| Q050825 | | 5.51 | 0.02 | 0.03 | 0.07 | 35.0 | 70 | 0.12 | 1.42 | 21.4 | 0.05 | 2.81 | 0.5 | 4 | 0.22 | 2.2 |
| Q050826 | | 4.48 | 0.02 | 0.16 | 0.09 | 34.4 | 80 | 0.13 | 2.77 | 20.9 | 0.32 | 2.23 | 0.6 | 5 | 0.21 | 2.4 |
| Q050827 | | 1.22 | 0.07 | 0.11 | 0.44 | 21.3 | 250 | 0.30 | 6.54 | 20.1 | 0.11 | 3.09 | 3.4 | 14 | 1.06 | 4.4 |
| Q050828 | | 5.41 | 0.02 | 0.13 | 0.38 | 11.5 | 380 | 0.31 | 2.14 | 21.5 | 0.39 | 3.69 | 2.3 | 8 | 1.06 | 2.8 |
| Q050829 | | 4.66 | <0.01 | 0.06 | 0.35 | 30.5 | 200 | 0.22 | 0.17 | 20.8 | 0.14 | 3.40 | 1.2 | 5 | 0.47 | 3.1 |
| Q050830 | | 3.59 | 0.01 | 0.12 | 0.67 | 7.9 | 530 | 0.39 | 0.17 | 22.8 | 0.14 | 5.38 | 1.4 | 11 | 1.63 | 5.9 |

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

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-NOV-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190173

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| Q050791 | | 0.50 | 0.95 | 0.14 | 0.1 | 0.035 | 0.13 | 1.6 | 3.4 | 9.26 | 514 | 1.64 | 0.01 | 0.4 | 14.0 | 10 |
| Q050792 | | 0.61 | 2.09 | 0.10 | 0.2 | 0.023 | 0.27 | 1.8 | 3.3 | 6.62 | 445 | 1.15 | 0.01 | 1.0 | 15.8 | 10 |
| Q050793 | | 6.76 | 28.9 | 0.10 | 4.9 | 0.095 | 1.23 | 15.9 | 15.3 | 1.51 | 683 | 8.42 | 1.88 | 12.3 | 24.9 | 470 |
| Q050794 | | 0.68 | 1.43 | 0.08 | 0.1 | 0.033 | 0.21 | 2.1 | 2.6 | 7.28 | 713 | 0.66 | 0.01 | 0.8 | 7.0 | 10 |
| Q050795 | | 2.52 | 2.87 | 0.05 | 0.2 | 0.055 | 0.33 | 1.7 | 2.1 | 6.64 | 1180 | 2.66 | 0.01 | 1.3 | 11.7 | 30 |
| Q050796 | | 1.10 | 0.74 | <0.05 | 0.1 | 0.020 | 0.08 | 2.5 | 2.4 | 9.78 | 774 | 1.18 | 0.01 | 0.3 | 2.8 | <10 |
| Q050797 | | 4.24 | 0.73 | 0.08 | 0.1 | 0.272 | 0.07 | 2.8 | 2.0 | 11.15 | 2990 | 1.17 | 0.01 | 0.2 | 2.2 | 10 |
| Q050798 | | 2.57 | 0.42 | 0.05 | 0.1 | 0.148 | 0.05 | 2.0 | 2.1 | 11.05 | 1660 | 0.55 | 0.01 | 0.2 | 2.7 | 10 |
| Q050799 | | 0.12 | 0.38 | 0.11 | 0.1 | <0.005 | 0.03 | 1.2 | 1.2 | 1.48 | 112 | <0.05 | 0.06 | 0.2 | 0.8 | 60 |
| Q050800 | | 0.51 | 0.33 | 0.14 | <0.1 | 0.110 | 0.03 | 1.9 | 2.4 | 12.00 | 924 | 0.71 | 0.01 | 0.2 | 2.3 | <10 |
| Q050801 | | 0.84 | 0.73 | 0.08 | 0.1 | 0.161 | 0.08 | 1.8 | 1.8 | 12.10 | 1190 | 0.95 | 0.01 | 0.7 | 3.7 | <10 |
| Q050802 | | 6.24 | 0.83 | <0.05 | 0.1 | 2.49 | 0.07 | 2.7 | 1.9 | 10.65 | 11800 | 0.82 | 0.01 | 0.6 | 3.9 | <10 |
| Q050803 | | 0.58 | 0.86 | 0.07 | 0.2 | 0.078 | 0.14 | 2.5 | 2.0 | 11.85 | 940 | 0.66 | 0.01 | 1.3 | 4.3 | 10 |
| Q050804 | | 8.45 | 16.65 | 0.09 | 6.0 | 0.127 | 1.36 | 16.9 | 26.3 | 2.37 | 782 | 6.02 | 0.84 | 3.4 | 524 | 380 |
| Q050805 | | 2.49 | 2.77 | 0.06 | 0.5 | 0.109 | 0.29 | 12.1 | 4.5 | 11.65 | 1740 | 0.76 | 0.01 | 4.6 | 12.2 | 70 |
| Q050806 | | 4.80 | 6.43 | 0.06 | 0.9 | 0.035 | 0.71 | 8.8 | 9.6 | 9.83 | 1160 | 0.61 | 0.02 | 12.3 | 21.6 | 440 |
| Q050807 | | 4.23 | 3.22 | 0.05 | 0.4 | 0.022 | 0.40 | 4.2 | 5.1 | 8.02 | 705 | 0.37 | 0.01 | 5.8 | 12.6 | 220 |
| Q050808 | | 3.23 | 3.87 | 0.05 | 0.5 | 0.028 | 0.52 | 5.8 | 6.1 | 9.39 | 1020 | 0.30 | 0.01 | 8.5 | 11.8 | 280 |
| Q050809 | | 4.33 | 6.16 | <0.05 | 0.8 | 0.025 | 0.80 | 5.2 | 11.8 | 8.66 | 735 | 0.51 | 0.01 | 14.9 | 19.5 | 410 |
| Q050810 | | 4.55 | 6.55 | <0.05 | 1.0 | 0.038 | 0.74 | 5.0 | 7.0 | 9.27 | 1420 | 0.40 | 0.01 | 15.5 | 14.2 | 460 |
| Q050811 | | 4.78 | 5.76 | <0.05 | 0.8 | 0.040 | 0.59 | 5.3 | 6.8 | 9.48 | 1500 | 0.31 | 0.01 | 10.7 | 12.7 | 390 |
| Q050812 | | 3.97 | 3.68 | <0.05 | 0.5 | 0.039 | 0.42 | 5.5 | 5.0 | 10.25 | 1660 | 0.22 | 0.02 | 5.8 | 9.7 | 360 |
| Q050813 | | 2.77 | 7.01 | <0.05 | 0.8 | 0.017 | 1.04 | 13.6 | 10.7 | 10.25 | 1100 | 0.28 | 0.04 | 17.4 | 24.4 | 580 |
| Q050814 | | 3.53 | 1.72 | <0.05 | 0.2 | 0.029 | 0.13 | 3.8 | 3.7 | 11.25 | 1360 | 0.08 | 0.01 | 1.6 | 3.6 | 160 |
| Q050815 | | 2.57 | 0.75 | <0.05 | 0.1 | 0.025 | 0.06 | 2.7 | 3.2 | 11.10 | 1410 | 0.06 | 0.01 | 0.4 | 1.7 | 150 |
| Q050816 | | 2.65 | 0.80 | <0.05 | 0.1 | 0.031 | 0.07 | 2.9 | 3.4 | 11.80 | 1500 | 0.07 | 0.01 | 0.5 | 1.8 | 160 |
| Q050817 | | 0.17 | 0.33 | 0.29 | <0.1 | <0.005 | 0.03 | 2.4 | 3.3 | 13.65 | 355 | 0.38 | 0.01 | 0.1 | 3.0 | 20 |
| Q050818 | | 0.30 | 0.48 | 0.36 | <0.1 | 0.005 | 0.04 | 2.4 | 3.3 | 12.60 | 496 | 0.42 | 0.02 | 0.1 | 4.8 | <10 |
| Q050819 | | 0.34 | 0.48 | 0.37 | <0.1 | 0.028 | 0.03 | 3.3 | 3.4 | 12.10 | 610 | 0.99 | 0.01 | 0.1 | 3.6 | 10 |
| Q050820 | | 0.70 | 0.60 | 0.30 | <0.1 | 0.021 | 0.06 | 2.4 | 3.6 | 12.45 | 509 | 1.52 | 0.01 | 0.2 | 5.1 | 10 |
| Q050821 | | 0.75 | 0.42 | 0.21 | <0.1 | 0.033 | 0.02 | 1.8 | 2.9 | 9.29 | 1060 | 1.04 | 0.01 | 0.1 | 4.8 | <10 |
| Q050822 | | 0.72 | 0.42 | 0.27 | <0.1 | 0.006 | 0.04 | 1.7 | 3.5 | 12.80 | 872 | 1.26 | 0.01 | 0.1 | 6.9 | <10 |
| Q050823 | | 0.35 | 0.47 | 0.33 | <0.1 | 0.011 | 0.03 | 2.0 | 2.8 | 12.40 | 792 | 0.63 | 0.01 | 0.1 | 3.9 | 20 |
| Q050824 | | 0.36 | 0.53 | 0.42 | <0.1 | 0.019 | 0.04 | 2.0 | 2.8 | 13.05 | 407 | 1.25 | 0.01 | 0.1 | 3.3 | <10 |
| Q050825 | | 0.50 | 0.47 | 0.19 | <0.1 | 0.015 | 0.04 | 2.6 | 2.8 | 12.90 | 492 | 1.18 | 0.01 | 0.2 | 2.6 | <10 |
| Q050826 | | 0.70 | 0.53 | 0.18 | <0.1 | 0.015 | 0.04 | 1.5 | 2.2 | 12.80 | 543 | 2.47 | 0.01 | 0.2 | 3.9 | <10 |
| Q050827 | | 1.67 | 1.45 | 0.09 | 0.2 | 0.006 | 0.22 | 2.0 | 3.2 | 12.60 | 318 | 8.32 | 0.01 | 0.8 | 14.8 | 10 |
| Q050828 | | 0.73 | 1.32 | 0.16 | 0.2 | 0.007 | 0.17 | 2.2 | 2.9 | 12.75 | 617 | 2.72 | 0.01 | 0.8 | 7.4 | 20 |
| Q050829 | | 0.52 | 1.08 | 0.22 | 0.1 | 0.006 | 0.16 | 1.7 | 4.6 | 12.80 | 311 | 1.19 | 0.01 | 0.6 | 4.5 | 20 |
| Q050830 | | 0.44 | 1.92 | 0.29 | 0.2 | 0.007 | 0.28 | 2.7 | 4.5 | 11.20 | 257 | 1.55 | 0.01 | 1.4 | 5.7 | 10 |

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

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**VANCOUVER BC V6B 1L8**

Project: Tiger


**Finalized Date: 3-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20190173

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| Q050791 | | 11.8 | 17.8 | 0.002 | 0.22 | 1.11 | 0.5 | 1 | 1.1 | 32.8 | <0.05 | <0.05 | 0.36 | 0.013 | 0.12 | 0.3 |
| Q050792 | | 17.5 | 33.0 | 0.002 | 0.34 | 1.45 | 1.0 | 1 | 1.3 | 32.0 | 0.06 | <0.05 | 0.83 | 0.032 | 0.21 | 0.4 |
| Q050793 | | 20.4 | 61.6 | <0.002 | 0.04 | 0.76 | 18.6 | 1 | 3.1 | 140.5 | 1.24 | <0.05 | 25.1 | 0.699 | 0.39 | 5.0 |
| Q050794 | | 5.7 | 22.3 | <0.002 | 0.22 | 0.84 | 0.8 | 1 | 0.5 | 45.4 | <0.05 | <0.05 | 0.57 | 0.022 | 0.18 | 0.6 |
| Q050795 | | 32.9 | 23.5 | 0.002 | 1.71 | 1.83 | 1.7 | <1 | 1.5 | 47.6 | 0.08 | <0.05 | 1.02 | 0.040 | 0.38 | 0.6 |
| Q050796 | | 5.5 | 5.4 | 0.003 | 0.55 | 0.94 | 0.4 | 1 | 0.3 | 54.3 | <0.05 | <0.05 | 0.30 | 0.009 | 0.12 | 0.5 |
| Q050797 | | 140.0 | 7.3 | 0.002 | 2.28 | 3.66 | 0.4 | 1 | 2.4 | 72.7 | <0.05 | 0.07 | 0.20 | 0.007 | 0.12 | 0.6 |
| Q050798 | | 142.0 | 4.4 | <0.002 | 1.65 | 1.81 | 0.3 | 1 | 1.1 | 66.9 | <0.05 | <0.05 | 0.15 | 0.005 | 0.13 | 0.6 |
| Q050799 | | 0.6 | 1.1 | <0.002 | <0.01 | 0.14 | 0.2 | 1 | <0.2 | 78.1 | <0.05 | <0.05 | 0.10 | 0.005 | <0.02 | 0.2 |
| Q050800 | | 14.4 | 3.2 | 0.002 | 0.08 | 0.44 | 0.3 | 1 | 1.4 | 57.0 | <0.05 | <0.05 | 0.16 | 0.005 | 0.02 | 0.2 |
| Q050801 | | 46.1 | 8.5 | <0.002 | 0.12 | 1.27 | 0.6 | 1 | 3.0 | 46.6 | <0.05 | <0.05 | 0.34 | 0.017 | 0.08 | 0.3 |
| Q050802 | | 57.8 | 6.6 | <0.002 | 0.05 | 1.59 | 0.6 | 1 | 7.5 | 44.1 | <0.05 | <0.05 | 0.30 | 0.015 | 0.06 | 0.3 |
| Q050803 | | 33.8 | 11.5 | <0.002 | 0.03 | 0.98 | 0.8 | 1 | 3.3 | 54.6 | 0.08 | <0.05 | 0.43 | 0.029 | 0.12 | 0.3 |
| Q050804 | | 243 | 71.0 | 0.003 | 1.45 | 184.5 | 21.3 | 2 | 2.9 | 130.0 | 0.32 | 1.69 | 4.69 | 0.232 | 0.87 | 1.6 |
| Q050805 | | 12.9 | 15.9 | <0.002 | 0.17 | 1.78 | 1.5 | 1 | 2.7 | 58.4 | 0.26 | <0.05 | 0.97 | 0.067 | 0.17 | 0.6 |
| Q050806 | | 3.9 | 23.4 | <0.002 | 0.57 | 2.20 | 2.8 | 3 | 1.6 | 69.1 | 0.63 | <0.05 | 1.74 | 0.170 | 0.17 | 1.0 |
| Q050807 | | 2.4 | 12.7 | <0.002 | 2.09 | 1.07 | 1.9 | 3 | 0.8 | 38.7 | 0.26 | 0.05 | 0.88 | 0.078 | 0.11 | 0.5 |
| Q050808 | | 1.8 | 16.1 | <0.002 | 2.32 | 1.91 | 2.4 | 2 | 0.9 | 55.7 | 0.47 | <0.05 | 1.25 | 0.110 | 0.15 | 0.5 |
| Q050809 | | 6.9 | 26.6 | <0.002 | 4.34 | 3.07 | 3.1 | 3 | 1.3 | 49.5 | 0.74 | <0.05 | 1.55 | 0.184 | 0.34 | 0.7 |
| Q050810 | | 2.8 | 20.2 | <0.002 | 3.96 | 1.47 | 2.4 | 4 | 1.6 | 73.1 | 0.76 | 0.05 | 1.63 | 0.163 | 0.23 | 1.0 |
| Q050811 | | 2.7 | 15.8 | <0.002 | 4.15 | 1.39 | 2.4 | 4 | 1.3 | 74.2 | 0.57 | 0.05 | 1.12 | 0.134 | 0.16 | 0.8 |
| Q050812 | | 2.9 | 11.4 | <0.002 | 3.07 | 1.41 | 2.1 | 3 | 1.0 | 94.8 | 0.31 | <0.05 | 0.70 | 0.088 | 0.11 | 0.5 |
| Q050813 | | 2.1 | 30.1 | <0.002 | 2.33 | 2.71 | 3.9 | 2 | 1.8 | 84.9 | 0.78 | <0.05 | 2.23 | 0.221 | 0.27 | 0.7 |
| Q050814 | | 3.5 | 7.2 | <0.002 | 2.89 | 14.20 | 1.0 | 3 | 0.7 | 92.4 | 0.09 | 0.05 | 0.25 | 0.030 | 0.12 | 0.3 |
| Q050815 | | 2.5 | 4.9 | <0.002 | 1.73 | 0.97 | 0.5 | 2 | 0.2 | 89.3 | <0.05 | <0.05 | 0.08 | 0.010 | 0.22 | 0.3 |
| Q050816 | | 2.8 | 5.1 | 0.002 | 1.74 | 0.93 | 0.6 | 2 | 0.3 | 94.8 | <0.05 | <0.05 | 0.08 | 0.011 | 0.26 | 0.3 |
| Q050817 | | 1.6 | 2.3 | <0.002 | 0.01 | 0.40 | 0.1 | 1 | <0.2 | 54.8 | <0.05 | <0.05 | 0.08 | <0.005 | 0.03 | 0.2 |
| Q050818 | | 1.9 | 2.2 | <0.002 | 0.03 | 0.70 | 0.2 | 1 | <0.2 | 57.0 | <0.05 | <0.05 | 0.10 | <0.005 | 0.06 | 0.2 |
| Q050819 | | 2.5 | 1.3 | <0.002 | 0.02 | 0.98 | 0.2 | 1 | <0.2 | 68.5 | <0.05 | <0.05 | 0.10 | <0.005 | 0.08 | 0.1 |
| Q050820 | | 1.7 | 3.5 | <0.002 | 0.10 | 0.74 | 0.3 | 1 | 0.2 | 39.0 | <0.05 | <0.05 | 0.21 | 0.006 | 0.09 | 0.2 |
| Q050821 | | 1.4 | 1.0 | <0.002 | 0.07 | 6.09 | 0.2 | 1 | <0.2 | 77.5 | <0.05 | <0.05 | 0.10 | <0.005 | 0.08 | 0.7 |
| Q050822 | | 5.1 | 2.9 | <0.002 | 0.05 | 5.47 | 0.2 | 1 | <0.2 | 36.1 | <0.05 | <0.05 | 0.10 | <0.005 | 0.33 | 0.5 |
| Q050823 | | 2.3 | 1.6 | <0.002 | 0.02 | 1.46 | 0.2 | 1 | <0.2 | 62.6 | <0.05 | <0.05 | 0.07 | <0.005 | 0.20 | 0.2 |
| Q050824 | | 1.3 | 3.1 | <0.002 | 0.11 | 0.24 | 0.2 | 1 | <0.2 | 45.0 | <0.05 | <0.05 | 0.09 | <0.005 | 0.07 | 0.3 |
| Q050825 | | 3.2 | 1.6 | <0.002 | 0.15 | 0.34 | 0.3 | 1 | <0.2 | 43.1 | <0.05 | <0.05 | 0.13 | 0.005 | 0.06 | 0.3 |
| Q050826 | | 24.1 | 2.3 | 0.002 | 0.32 | 0.78 | 0.3 | 1 | <0.2 | 42.3 | <0.05 | <0.05 | 0.12 | 0.006 | 0.07 | 0.2 |
| Q050827 | | 12.9 | 11.6 | 0.005 | 1.77 | 1.43 | 1.0 | 1 | 0.3 | 30.8 | <0.05 | <0.05 | 0.48 | 0.029 | 0.28 | 0.4 |
| Q050828 | | 12.2 | 12.9 | <0.002 | 0.52 | 0.68 | 1.0 | 1 | 0.4 | 43.7 | 0.05 | <0.05 | 0.52 | 0.026 | 0.18 | 0.3 |
| Q050829 | | 3.5 | 5.6 | <0.002 | 0.15 | 1.09 | 0.8 | 1 | 0.2 | 35.3 | <0.05 | <0.05 | 0.41 | 0.022 | 0.10 | 0.2 |
| Q050830 | | 11.7 | 12.9 | <0.002 | 0.33 | 1.86 | 1.3 | 1 | 0.7 | 61.8 | 0.08 | <0.05 | 0.75 | 0.044 | 0.20 | 0.3 |

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

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**Finalized Date: 3-NOV-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190173

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | As-OG62 | WEI-22 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr | As | Dry Wt. |
| | Units | ppm | ppm | ppm | ppm | ppm | % | kg |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 | 0.001 | 0.02 |
| Q050791 | | 49 | 1.0 | 1.5 | 45 | 3.2 | | 4.61 |
| Q050792 | | 59 | 1.5 | 1.9 | 46 | 7.8 | | 2.52 |
| Q050793 | | 206 | 0.8 | 21.3 | 66 | 161.0 | | |
| Q050794 | | 30 | 0.9 | 2.4 | 45 | 5.3 | | 3.36 |
| Q050795 | | 18 | 12.8 | 2.9 | 124 | 9.0 | | 5.41 |
| Q050796 | | 8 | 3.6 | 1.8 | 20 | 2.7 | | 4.84 |
| Q050797 | | 5 | 15.6 | 2.8 | 443 | 2.3 | 0.903 | 5.40 |
| Q050798 | | 5 | 3.4 | 2.8 | 669 | 1.5 | | 5.63 |
| Q050799 | | 1 | <0.1 | 2.1 | 35 | 2.3 | | 5.11 |
| Q050800 | | 8 | 0.8 | 2.1 | 51 | 1.4 | | 5.52 |
| Q050801 | | 6 | 1.5 | 1.8 | 132 | 4.2 | | 3.43 |
| Q050802 | | 6 | 1.1 | 2.2 | 245 | 4.4 | | 5.00 |
| Q050803 | | 10 | 1.0 | 2.4 | 106 | 5.8 | | 2.97 |
| Q050804 | | 151 | 39.0 | 13.3 | 374 | 264 | | |
| Q050805 | | 11 | 1.5 | 6.9 | 247 | 18.0 | | 7.05 |
| Q050806 | | 26 | 21.7 | 9.3 | 40 | 42.6 | | 5.12 |
| Q050807 | | 15 | 2.1 | 6.7 | 15 | 16.6 | | 5.28 |
| Q050808 | | 18 | 5.7 | 10.9 | 12 | 22.5 | | 11.01 |
| Q050809 | | 29 | 3.3 | 9.4 | 39 | 37.2 | | 11.23 |
| Q050810 | | 28 | 2.5 | 8.6 | 17 | 48.6 | | 6.16 |
| Q050811 | | 24 | 2.2 | 8.4 | 18 | 36.1 | | 5.70 |
| Q050812 | | 18 | 9.7 | 8.3 | 17 | 20.1 | | 11.92 |
| Q050813 | | 38 | 3.1 | 8.1 | 15 | 37.7 | | 12.47 |
| Q050814 | | 10 | 1.3 | 6.6 | 15 | 7.7 | | 12.34 |
| Q050815 | | 8 | 1.7 | 4.5 | 15 | 2.7 | | 12.13 |
| Q050816 | | 9 | 1.8 | 4.7 | 16 | 2.6 | | |
| Q050817 | | 12 | 0.5 | 3.0 | 8 | 0.6 | | 5.44 |
| Q050818 | | 19 | 0.5 | 2.9 | 16 | 1.0 | | 3.13 |
| Q050819 | | 10 | 0.5 | 3.7 | 39 | 0.8 | | 4.73 |
| Q050820 | | 14 | 0.7 | 3.3 | 14 | 1.6 | | 2.16 |
| Q050821 | | 7 | 0.5 | 2.6 | 25 | 0.8 | | 3.95 |
| Q050822 | | 7 | 0.4 | 2.2 | 155 | 1.0 | | 4.42 |
| Q050823 | | 8 | 0.3 | 2.6 | 68 | 0.9 | | 4.82 |
| Q050824 | | 10 | 0.4 | 2.5 | 5 | 0.9 | | 5.72 |
| Q050825 | | 9 | 0.5 | 3.7 | 17 | 1.2 | | 5.47 |
| Q050826 | | 11 | 0.9 | 1.8 | 98 | 1.5 | | 4.45 |
| Q050827 | | 13 | 1.3 | 1.3 | 68 | 6.1 | | 1.22 |
| Q050828 | | 9 | 1.1 | 2.3 | 125 | 6.2 | | 5.38 |
| Q050829 | | 7 | 0.5 | 1.7 | 90 | 5.2 | | 4.64 |
| Q050830 | | 10 | 0.5 | 2.7 | 57 | 9.3 | | 3.58 |

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

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

Project: Tiger


**Finalized Date: 3-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20190173

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| | LOG-23 | OA-HSUL10 | PUL-31 | PUL-31d |
| | PUL-QC | SPL-21 | SPL-21d | WEI-21 |
| | WEI-22 | WSH-21 | WSH-22 | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | As-OG62 | Au-AA26 | ME-MS61 | ME-OG62 |

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**Finalized Date: 3-NOV-2020**
**This copy reported on 17-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20190173

Project: Tiger

P.O. No.: R20-D02

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 31-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |
| WSH-21 | "Wash" crushers |
| WSH-22 | "Wash" pulverizers |
| WEI-22 | Dry Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| OA-HSUL10 | Handling of High Sulphide Samples |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| As-OG62 | Ore Grade As - Four Acid | |

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 *****

Comments: **Corrected copy for method Au-AA26 and ME-MS61 for samples Q050815 and Q050816**

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 3-NOV-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190173

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| Q050791 | | 4.62 | 0.02 | 0.12 | 0.27 | 37.1 | 110 | 0.22 | 1.33 | 15.55 | 0.17 | 2.67 | 1.2 | 8 | 1.00 | 2.5 |
| Q050792 | | 2.53 | 0.02 | 0.17 | 0.64 | 36.0 | 210 | 0.39 | 2.10 | 11.95 | 0.15 | 3.45 | 1.7 | 12 | 1.52 | 2.8 |
| Q050793 | | 0.05 | 0.40 | 1.61 | 8.56 | 5.4 | 310 | 1.35 | 0.35 | 3.20 | 0.07 | 34.0 | 20.9 | 105 | 1.81 | 34.9 |
| Q050794 | | 3.37 | 0.01 | 0.07 | 0.42 | 19.1 | 190 | 0.25 | 1.46 | 13.50 | 0.11 | 3.94 | 0.9 | 9 | 1.64 | 2.6 |
| Q050795 | | 5.44 | 0.18 | 0.44 | 0.75 | 666 | 450 | 0.38 | 13.25 | 12.60 | 0.48 | 3.60 | 2.0 | 14 | 1.17 | 9.0 |
| Q050796 | | 4.85 | 0.03 | 0.08 | 0.19 | 461 | 150 | 0.18 | 5.99 | 17.60 | 0.06 | 4.40 | 0.5 | 4 | 0.35 | 2.4 |
| Q050797 | | 5.43 | 0.63 | 2.80 | 0.17 | >10000 | 110 | 0.21 | 29.6 | 20.5 | 1.76 | 5.53 | 0.5 | 8 | 0.30 | 8.6 |
| Q050798 | | 5.66 | 0.08 | 2.15 | 0.10 | 1440 | 120 | 0.15 | 18.80 | 19.00 | 2.92 | 4.15 | 0.5 | 3 | 0.19 | 4.1 |
| Q050799 | | 5.11 | <0.01 | 0.01 | 0.11 | 1.3 | 20 | 0.09 | 0.06 | 32.8 | 0.11 | 1.03 | 0.7 | 2 | <0.05 | 1.5 |
| Q050800 | | 5.54 | 0.01 | 0.11 | 0.07 | 12.6 | 150 | 0.15 | 0.50 | 19.90 | 0.15 | 2.90 | 0.4 | 3 | 0.17 | 1.5 |
| Q050801 | | 3.45 | 0.01 | 0.26 | 0.19 | 25.2 | 300 | 0.25 | 1.40 | 20.1 | 0.40 | 3.03 | 0.7 | 5 | 0.29 | 2.0 |
| Q050802 | | 5.03 | <0.01 | 0.32 | 0.16 | 26.2 | 210 | 0.23 | 1.38 | 16.70 | 0.60 | 4.39 | 0.6 | 6 | 0.38 | 3.7 |
| Q050803 | | 3.00 | 0.01 | 0.14 | 0.31 | 12.2 | 430 | 0.32 | 0.82 | 20.4 | 0.27 | 4.30 | 0.8 | 8 | 0.48 | 1.9 |
| Q050804 | | 0.07 | 3.00 | 1.74 | 6.45 | 1890 | 370 | 1.30 | 2.86 | 2.06 | 1.15 | 34.6 | 51.5 | 598 | 4.76 | 1070 |
| Q050805 | | 7.27 | 0.09 | 0.15 | 0.73 | 405 | 630 | 0.39 | 6.51 | 19.75 | 1.18 | 20.5 | 3.0 | 12 | 1.04 | 4.6 |
| Q050806 | | 5.34 | 0.25 | 0.09 | 1.55 | 608 | 1160 | 0.52 | 13.65 | 16.85 | 0.05 | 17.55 | 4.9 | 29 | 1.73 | 6.3 |
| Q050807 | | 5.44 | 0.14 | 0.07 | 0.84 | 294 | 500 | 0.28 | 9.56 | 12.70 | 0.03 | 7.72 | 3.0 | 23 | 0.95 | 5.0 |
| Q050808 | | 11.19 | 0.46 | 0.09 | 1.02 | 119.0 | 470 | 0.33 | 8.55 | 15.85 | 0.04 | 12.30 | 3.0 | 28 | 1.07 | 10.6 |
| Q050809 | | 11.37 | 0.19 | 0.11 | 1.77 | 88.8 | 590 | 0.56 | 9.47 | 15.10 | 0.08 | 10.30 | 4.6 | 37 | 1.58 | 10.5 |
| Q050810 | | 6.19 | 0.25 | 0.08 | 1.55 | 85.5 | 340 | 0.56 | 10.50 | 15.85 | 0.05 | 11.10 | 3.7 | 29 | 1.03 | 7.4 |
| Q050811 | | 5.73 | 0.26 | 0.11 | 1.33 | 96.5 | 620 | 0.47 | 10.35 | 16.45 | 0.05 | 10.95 | 3.3 | 25 | 0.97 | 7.1 |
| Q050812 | | 11.95 | 0.17 | 0.07 | 0.86 | 74.1 | 450 | 0.32 | 24.0 | 17.85 | 0.04 | 11.95 | 2.5 | 17 | 0.61 | 4.4 |
| Q050813 | | 12.49 | 0.12 | 0.09 | 2.07 | 46.8 | 990 | 0.60 | 7.36 | 18.05 | 0.03 | 23.6 | 5.7 | 43 | 1.27 | 9.2 |
| Q050814 | | 12.38 | 1.35 | 0.20 | 0.31 | 136.5 | 290 | 0.18 | 42.8 | 19.70 | 0.05 | 6.43 | 0.9 | 5 | 0.53 | 30.0 |
| Q050815 | | 12.18 | 0.12 | 0.04 | 0.13 | 775 | 110 | 0.12 | 2.56 | 21.5 | 0.04 | 5.65 | 0.6 | 5 | 0.75 | 2.1 |
| Q050816 | | <0.02 | 0.11 | 0.03 | 0.12 | 688 | 120 | 0.11 | 2.60 | 22.0 | 0.05 | 5.70 | 0.6 | 5 | 0.74 | 2.0 |
| Q050817 | | 5.47 | <0.01 | 0.03 | 0.04 | 7.1 | 130 | 0.12 | 0.33 | 22.6 | 0.03 | 2.53 | 0.6 | 2 | 0.36 | 2.0 |
| Q050818 | | 3.14 | 0.01 | 0.03 | 0.06 | 14.9 | 230 | 0.17 | 0.29 | 21.3 | 0.09 | 2.74 | 0.6 | 3 | 0.55 | 2.6 |
| Q050819 | | 4.75 | 0.01 | 0.03 | 0.06 | 15.9 | 200 | 0.18 | 0.66 | 22.7 | 0.53 | 3.84 | 0.8 | 3 | 0.31 | 1.9 |
| Q050820 | | 2.17 | 0.01 | 0.04 | 0.11 | 19.8 | 260 | 0.23 | 2.67 | 20.8 | 0.05 | 2.68 | 0.8 | 5 | 0.49 | 2.3 |
| Q050821 | | 3.97 | 0.01 | 0.03 | 0.06 | 22.2 | 90 | 0.14 | 1.36 | 24.2 | 0.15 | 2.89 | 0.7 | 3 | 0.20 | 15.6 |
| Q050822 | | 4.44 | 0.01 | 0.03 | 0.06 | 115.5 | 130 | 0.15 | 0.67 | 21.7 | 0.45 | 2.06 | 1.3 | 3 | 0.41 | 9.2 |
| Q050823 | | 4.85 | 0.01 | 0.03 | 0.05 | 44.0 | 100 | 0.13 | 0.55 | 22.8 | 0.26 | 2.38 | 0.9 | 3 | 0.30 | 2.3 |
| Q050824 | | 5.75 | 0.01 | 0.02 | 0.06 | 11.4 | 60 | 0.10 | 1.46 | 21.7 | <0.02 | 2.26 | 0.5 | 4 | 0.34 | 1.2 |
| Q050825 | | 5.51 | 0.02 | 0.03 | 0.07 | 35.0 | 70 | 0.12 | 1.42 | 21.4 | 0.05 | 2.81 | 0.5 | 4 | 0.22 | 2.2 |
| Q050826 | | 4.48 | 0.02 | 0.16 | 0.09 | 34.4 | 80 | 0.13 | 2.77 | 20.9 | 0.32 | 2.23 | 0.6 | 5 | 0.21 | 2.4 |
| Q050827 | | 1.22 | 0.07 | 0.11 | 0.44 | 21.3 | 250 | 0.30 | 6.54 | 20.1 | 0.11 | 3.09 | 3.4 | 14 | 1.06 | 4.4 |
| Q050828 | | 5.41 | 0.02 | 0.13 | 0.38 | 11.5 | 380 | 0.31 | 2.14 | 21.5 | 0.39 | 3.69 | 2.3 | 8 | 1.06 | 2.8 |
| Q050829 | | 4.66 | <0.01 | 0.06 | 0.35 | 30.5 | 200 | 0.22 | 0.17 | 20.8 | 0.14 | 3.40 | 1.2 | 5 | 0.47 | 3.1 |
| Q050830 | | 3.59 | 0.01 | 0.12 | 0.67 | 7.9 | 530 | 0.39 | 0.17 | 22.8 | 0.14 | 5.38 | 1.4 | 11 | 1.63 | 5.9 |

Comments: **Corrected copy for method Au-AA26 and ME-MS61 for samples Q050815 and Q050816**

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

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**Finalized Date: 3-NOV-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190173

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| Q050791 | | 0.50 | 0.95 | 0.14 | 0.1 | 0.035 | 0.13 | 1.6 | 3.4 | 9.26 | 514 | 1.64 | 0.01 | 0.4 | 14.0 | 10 |
| Q050792 | | 0.61 | 2.09 | 0.10 | 0.2 | 0.023 | 0.27 | 1.8 | 3.3 | 6.62 | 445 | 1.15 | 0.01 | 1.0 | 15.8 | 10 |
| Q050793 | | 6.76 | 28.9 | 0.10 | 4.9 | 0.095 | 1.23 | 15.9 | 15.3 | 1.51 | 683 | 8.42 | 1.88 | 12.3 | 24.9 | 470 |
| Q050794 | | 0.68 | 1.43 | 0.08 | 0.1 | 0.033 | 0.21 | 2.1 | 2.6 | 7.28 | 713 | 0.66 | 0.01 | 0.8 | 7.0 | 10 |
| Q050795 | | 2.52 | 2.87 | 0.05 | 0.2 | 0.055 | 0.33 | 1.7 | 2.1 | 6.64 | 1180 | 2.66 | 0.01 | 1.3 | 11.7 | 30 |
| Q050796 | | 1.10 | 0.74 | <0.05 | 0.1 | 0.020 | 0.08 | 2.5 | 2.4 | 9.78 | 774 | 1.18 | 0.01 | 0.3 | 2.8 | <10 |
| Q050797 | | 4.24 | 0.73 | 0.08 | 0.1 | 0.272 | 0.07 | 2.8 | 2.0 | 11.15 | 2990 | 1.17 | 0.01 | 0.2 | 2.2 | 10 |
| Q050798 | | 2.57 | 0.42 | 0.05 | 0.1 | 0.148 | 0.05 | 2.0 | 2.1 | 11.05 | 1660 | 0.55 | 0.01 | 0.2 | 2.7 | 10 |
| Q050799 | | 0.12 | 0.38 | 0.11 | 0.1 | <0.005 | 0.03 | 1.2 | 1.2 | 1.48 | 112 | <0.05 | 0.06 | 0.2 | 0.8 | 60 |
| Q050800 | | 0.51 | 0.33 | 0.14 | <0.1 | 0.110 | 0.03 | 1.9 | 2.4 | 12.00 | 924 | 0.71 | 0.01 | 0.2 | 2.3 | <10 |
| Q050801 | | 0.84 | 0.73 | 0.08 | 0.1 | 0.161 | 0.08 | 1.8 | 1.8 | 12.10 | 1190 | 0.95 | 0.01 | 0.7 | 3.7 | <10 |
| Q050802 | | 6.24 | 0.83 | <0.05 | 0.1 | 2.49 | 0.07 | 2.7 | 1.9 | 10.65 | 11800 | 0.82 | 0.01 | 0.6 | 3.9 | <10 |
| Q050803 | | 0.58 | 0.86 | 0.07 | 0.2 | 0.078 | 0.14 | 2.5 | 2.0 | 11.85 | 940 | 0.66 | 0.01 | 1.3 | 4.3 | 10 |
| Q050804 | | 8.45 | 16.65 | 0.09 | 6.0 | 0.127 | 1.36 | 16.9 | 26.3 | 2.37 | 782 | 6.02 | 0.84 | 3.4 | 524 | 380 |
| Q050805 | | 2.49 | 2.77 | 0.06 | 0.5 | 0.109 | 0.29 | 12.1 | 4.5 | 11.65 | 1740 | 0.76 | 0.01 | 4.6 | 12.2 | 70 |
| Q050806 | | 4.80 | 6.43 | 0.06 | 0.9 | 0.035 | 0.71 | 8.8 | 9.6 | 9.83 | 1160 | 0.61 | 0.02 | 12.3 | 21.6 | 440 |
| Q050807 | | 4.23 | 3.22 | 0.05 | 0.4 | 0.022 | 0.40 | 4.2 | 5.1 | 8.02 | 705 | 0.37 | 0.01 | 5.8 | 12.6 | 220 |
| Q050808 | | 3.23 | 3.87 | 0.05 | 0.5 | 0.028 | 0.52 | 5.8 | 6.1 | 9.39 | 1020 | 0.30 | 0.01 | 8.5 | 11.8 | 280 |
| Q050809 | | 4.33 | 6.16 | <0.05 | 0.8 | 0.025 | 0.80 | 5.2 | 11.8 | 8.66 | 735 | 0.51 | 0.01 | 14.9 | 19.5 | 410 |
| Q050810 | | 4.55 | 6.55 | <0.05 | 1.0 | 0.038 | 0.74 | 5.0 | 7.0 | 9.27 | 1420 | 0.40 | 0.01 | 15.5 | 14.2 | 460 |
| Q050811 | | 4.78 | 5.76 | <0.05 | 0.8 | 0.040 | 0.59 | 5.3 | 6.8 | 9.48 | 1500 | 0.31 | 0.01 | 10.7 | 12.7 | 390 |
| Q050812 | | 3.97 | 3.68 | <0.05 | 0.5 | 0.039 | 0.42 | 5.5 | 5.0 | 10.25 | 1660 | 0.22 | 0.02 | 5.8 | 9.7 | 360 |
| Q050813 | | 2.77 | 7.01 | <0.05 | 0.8 | 0.017 | 1.04 | 13.6 | 10.7 | 10.25 | 1100 | 0.28 | 0.04 | 17.4 | 24.4 | 580 |
| Q050814 | | 3.53 | 1.72 | <0.05 | 0.2 | 0.029 | 0.13 | 3.8 | 3.7 | 11.25 | 1360 | 0.08 | 0.01 | 1.6 | 3.6 | 160 |
| Q050815 | | 2.66 | 0.81 | <0.05 | 0.1 | 0.025 | 0.07 | 3.3 | 3.1 | 11.85 | 1460 | 0.11 | 0.01 | 0.5 | 2.2 | 160 |
| Q050816 | | 2.80 | 0.77 | <0.05 | 0.1 | 0.030 | 0.07 | 3.3 | 3.2 | 12.20 | 1500 | 0.07 | 0.01 | 0.5 | 2.0 | 160 |
| Q050817 | | 0.17 | 0.33 | 0.29 | <0.1 | <0.005 | 0.03 | 2.4 | 3.3 | 13.65 | 355 | 0.38 | 0.01 | 0.1 | 3.0 | 20 |
| Q050818 | | 0.30 | 0.48 | 0.36 | <0.1 | 0.005 | 0.04 | 2.4 | 3.3 | 12.60 | 496 | 0.42 | 0.02 | 0.1 | 4.8 | <10 |
| Q050819 | | 0.34 | 0.48 | 0.37 | <0.1 | 0.028 | 0.03 | 3.3 | 3.4 | 12.10 | 610 | 0.99 | 0.01 | 0.1 | 3.6 | 10 |
| Q050820 | | 0.70 | 0.60 | 0.30 | <0.1 | 0.021 | 0.06 | 2.4 | 3.6 | 12.45 | 509 | 1.52 | 0.01 | 0.2 | 5.1 | 10 |
| Q050821 | | 0.75 | 0.42 | 0.21 | <0.1 | 0.033 | 0.02 | 1.8 | 2.9 | 9.29 | 1060 | 1.04 | 0.01 | 0.1 | 4.8 | <10 |
| Q050822 | | 0.72 | 0.42 | 0.27 | <0.1 | 0.006 | 0.04 | 1.7 | 3.5 | 12.80 | 872 | 1.26 | 0.01 | 0.1 | 6.9 | <10 |
| Q050823 | | 0.35 | 0.47 | 0.33 | <0.1 | 0.011 | 0.03 | 2.0 | 2.8 | 12.40 | 792 | 0.63 | 0.01 | 0.1 | 3.9 | 20 |
| Q050824 | | 0.36 | 0.53 | 0.42 | <0.1 | 0.019 | 0.04 | 2.0 | 2.8 | 13.05 | 407 | 1.25 | 0.01 | 0.1 | 3.3 | <10 |
| Q050825 | | 0.50 | 0.47 | 0.19 | <0.1 | 0.015 | 0.04 | 2.6 | 2.8 | 12.90 | 492 | 1.18 | 0.01 | 0.2 | 2.6 | <10 |
| Q050826 | | 0.70 | 0.53 | 0.18 | <0.1 | 0.015 | 0.04 | 1.5 | 2.2 | 12.80 | 543 | 2.47 | 0.01 | 0.2 | 3.9 | <10 |
| Q050827 | | 1.67 | 1.45 | 0.09 | 0.2 | 0.006 | 0.22 | 2.0 | 3.2 | 12.60 | 318 | 8.32 | 0.01 | 0.8 | 14.8 | 10 |
| Q050828 | | 0.73 | 1.32 | 0.16 | 0.2 | 0.007 | 0.17 | 2.2 | 2.9 | 12.75 | 617 | 2.72 | 0.01 | 0.8 | 7.4 | 20 |
| Q050829 | | 0.52 | 1.08 | 0.22 | 0.1 | 0.006 | 0.16 | 1.7 | 4.6 | 12.80 | 311 | 1.19 | 0.01 | 0.6 | 4.5 | 20 |
| Q050830 | | 0.44 | 1.92 | 0.29 | 0.2 | 0.007 | 0.28 | 2.7 | 4.5 | 11.20 | 257 | 1.55 | 0.01 | 1.4 | 5.7 | 10 |

Comments: **Corrected copy for method Au-AA26 and ME-MS61 for samples Q050815 and Q050816**

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-NOV-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190173

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| Q050791 | | 11.8 | 17.8 | 0.002 | 0.22 | 1.11 | 0.5 | 1 | 1.1 | 32.8 | <0.05 | <0.05 | 0.36 | 0.013 | 0.12 | 0.3 |
| Q050792 | | 17.5 | 33.0 | 0.002 | 0.34 | 1.45 | 1.0 | 1 | 1.3 | 32.0 | 0.06 | <0.05 | 0.83 | 0.032 | 0.21 | 0.4 |
| Q050793 | | 20.4 | 61.6 | <0.002 | 0.04 | 0.76 | 18.6 | 1 | 3.1 | 140.5 | 1.24 | <0.05 | 25.1 | 0.699 | 0.39 | 5.0 |
| Q050794 | | 5.7 | 22.3 | <0.002 | 0.22 | 0.84 | 0.8 | 1 | 0.5 | 45.4 | <0.05 | <0.05 | 0.57 | 0.022 | 0.18 | 0.6 |
| Q050795 | | 32.9 | 23.5 | 0.002 | 1.71 | 1.83 | 1.7 | <1 | 1.5 | 47.6 | 0.08 | <0.05 | 1.02 | 0.040 | 0.38 | 0.6 |
| Q050796 | | 5.5 | 5.4 | 0.003 | 0.55 | 0.94 | 0.4 | 1 | 0.3 | 54.3 | <0.05 | <0.05 | 0.30 | 0.009 | 0.12 | 0.5 |
| Q050797 | | 140.0 | 7.3 | 0.002 | 2.28 | 3.66 | 0.4 | 1 | 2.4 | 72.7 | <0.05 | 0.07 | 0.20 | 0.007 | 0.12 | 0.6 |
| Q050798 | | 142.0 | 4.4 | <0.002 | 1.65 | 1.81 | 0.3 | 1 | 1.1 | 66.9 | <0.05 | <0.05 | 0.15 | 0.005 | 0.13 | 0.6 |
| Q050799 | | 0.6 | 1.1 | <0.002 | <0.01 | 0.14 | 0.2 | 1 | <0.2 | 78.1 | <0.05 | <0.05 | 0.10 | 0.005 | <0.02 | 0.2 |
| Q050800 | | 14.4 | 3.2 | 0.002 | 0.08 | 0.44 | 0.3 | 1 | 1.4 | 57.0 | <0.05 | <0.05 | 0.16 | 0.005 | 0.02 | 0.2 |
| Q050801 | | 46.1 | 8.5 | <0.002 | 0.12 | 1.27 | 0.6 | 1 | 3.0 | 46.6 | <0.05 | <0.05 | 0.34 | 0.017 | 0.08 | 0.3 |
| Q050802 | | 57.8 | 6.6 | <0.002 | 0.05 | 1.59 | 0.6 | 1 | 7.5 | 44.1 | <0.05 | <0.05 | 0.30 | 0.015 | 0.06 | 0.3 |
| Q050803 | | 33.8 | 11.5 | <0.002 | 0.03 | 0.98 | 0.8 | 1 | 3.3 | 54.6 | 0.08 | <0.05 | 0.43 | 0.029 | 0.12 | 0.3 |
| Q050804 | | 243 | 71.0 | 0.003 | 1.45 | 184.5 | 21.3 | 2 | 2.9 | 130.0 | 0.32 | 1.69 | 4.69 | 0.232 | 0.87 | 1.6 |
| Q050805 | | 12.9 | 15.9 | <0.002 | 0.17 | 1.78 | 1.5 | 1 | 2.7 | 58.4 | 0.26 | <0.05 | 0.97 | 0.067 | 0.17 | 0.6 |
| Q050806 | | 3.9 | 23.4 | <0.002 | 0.57 | 2.20 | 2.8 | 3 | 1.6 | 69.1 | 0.63 | <0.05 | 1.74 | 0.170 | 0.17 | 1.0 |
| Q050807 | | 2.4 | 12.7 | <0.002 | 2.09 | 1.07 | 1.9 | 3 | 0.8 | 38.7 | 0.26 | 0.05 | 0.88 | 0.078 | 0.11 | 0.5 |
| Q050808 | | 1.8 | 16.1 | <0.002 | 2.32 | 1.91 | 2.4 | 2 | 0.9 | 55.7 | 0.47 | <0.05 | 1.25 | 0.110 | 0.15 | 0.5 |
| Q050809 | | 6.9 | 26.6 | <0.002 | 4.34 | 3.07 | 3.1 | 3 | 1.3 | 49.5 | 0.74 | <0.05 | 1.55 | 0.184 | 0.34 | 0.7 |
| Q050810 | | 2.8 | 20.2 | <0.002 | 3.96 | 1.47 | 2.4 | 4 | 1.6 | 73.1 | 0.76 | 0.05 | 1.63 | 0.163 | 0.23 | 1.0 |
| Q050811 | | 2.7 | 15.8 | <0.002 | 4.15 | 1.39 | 2.4 | 4 | 1.3 | 74.2 | 0.57 | 0.05 | 1.12 | 0.134 | 0.16 | 0.8 |
| Q050812 | | 2.9 | 11.4 | <0.002 | 3.07 | 1.41 | 2.1 | 3 | 1.0 | 94.8 | 0.31 | <0.05 | 0.70 | 0.088 | 0.11 | 0.5 |
| Q050813 | | 2.1 | 30.1 | <0.002 | 2.33 | 2.71 | 3.9 | 2 | 1.8 | 84.9 | 0.78 | <0.05 | 2.23 | 0.221 | 0.27 | 0.7 |
| Q050814 | | 3.5 | 7.2 | <0.002 | 2.89 | 14.20 | 1.0 | 3 | 0.7 | 92.4 | 0.09 | 0.05 | 0.25 | 0.030 | 0.12 | 0.3 |
| Q050815 | | 3.2 | 5.6 | 0.002 | 1.72 | 0.95 | 0.6 | 2 | 0.3 | 92.3 | <0.05 | <0.05 | 0.12 | 0.011 | 0.30 | 0.3 |
| Q050816 | | 2.9 | 5.5 | 0.002 | 1.85 | 0.94 | 0.6 | 1 | 0.2 | 94.1 | <0.05 | <0.05 | 0.10 | 0.011 | 0.26 | 0.3 |
| Q050817 | | 1.6 | 2.3 | <0.002 | 0.01 | 0.40 | 0.1 | 1 | <0.2 | 54.8 | <0.05 | <0.05 | 0.08 | <0.005 | 0.03 | 0.2 |
| Q050818 | | 1.9 | 2.2 | <0.002 | 0.03 | 0.70 | 0.2 | 1 | <0.2 | 57.0 | <0.05 | <0.05 | 0.10 | <0.005 | 0.06 | 0.2 |
| Q050819 | | 2.5 | 1.3 | <0.002 | 0.02 | 0.98 | 0.2 | 1 | <0.2 | 68.5 | <0.05 | <0.05 | 0.10 | <0.005 | 0.08 | 0.1 |
| Q050820 | | 1.7 | 3.5 | <0.002 | 0.10 | 0.74 | 0.3 | 1 | 0.2 | 39.0 | <0.05 | <0.05 | 0.21 | 0.006 | 0.09 | 0.2 |
| Q050821 | | 1.4 | 1.0 | <0.002 | 0.07 | 6.09 | 0.2 | 1 | <0.2 | 77.5 | <0.05 | <0.05 | 0.10 | <0.005 | 0.08 | 0.7 |
| Q050822 | | 5.1 | 2.9 | <0.002 | 0.05 | 5.47 | 0.2 | 1 | <0.2 | 36.1 | <0.05 | <0.05 | 0.10 | <0.005 | 0.33 | 0.5 |
| Q050823 | | 2.3 | 1.6 | <0.002 | 0.02 | 1.46 | 0.2 | 1 | <0.2 | 62.6 | <0.05 | <0.05 | 0.07 | <0.005 | 0.20 | 0.2 |
| Q050824 | | 1.3 | 3.1 | <0.002 | 0.11 | 0.24 | 0.2 | 1 | <0.2 | 45.0 | <0.05 | <0.05 | 0.09 | <0.005 | 0.07 | 0.3 |
| Q050825 | | 3.2 | 1.6 | <0.002 | 0.15 | 0.34 | 0.3 | 1 | <0.2 | 43.1 | <0.05 | <0.05 | 0.13 | 0.005 | 0.06 | 0.3 |
| Q050826 | | 24.1 | 2.3 | 0.002 | 0.32 | 0.78 | 0.3 | 1 | <0.2 | 42.3 | <0.05 | <0.05 | 0.12 | 0.006 | 0.07 | 0.2 |
| Q050827 | | 12.9 | 11.6 | 0.005 | 1.77 | 1.43 | 1.0 | 1 | 0.3 | 30.8 | <0.05 | <0.05 | 0.48 | 0.029 | 0.28 | 0.4 |
| Q050828 | | 12.2 | 12.9 | <0.002 | 0.52 | 0.68 | 1.0 | 1 | 0.4 | 43.7 | 0.05 | <0.05 | 0.52 | 0.026 | 0.18 | 0.3 |
| Q050829 | | 3.5 | 5.6 | <0.002 | 0.15 | 1.09 | 0.8 | 1 | 0.2 | 35.3 | <0.05 | <0.05 | 0.41 | 0.022 | 0.10 | 0.2 |
| Q050830 | | 11.7 | 12.9 | <0.002 | 0.33 | 1.86 | 1.3 | 1 | 0.7 | 61.8 | 0.08 | <0.05 | 0.75 | 0.044 | 0.20 | 0.3 |

Comments: **Corrected copy for method Au-AA26 and ME-MS61 for samples Q050815 and Q050816**

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-NOV-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190173

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | As-OG62 | WEI-22 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr | As | Dry Wt. |
| | Units | ppm | ppm | ppm | ppm | ppm | % | kg |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 | 0.001 | 0.02 |
| Q050791 | | 49 | 1.0 | 1.5 | 45 | 3.2 | | 4.61 |
| Q050792 | | 59 | 1.5 | 1.9 | 46 | 7.8 | | 2.52 |
| Q050793 | | 206 | 0.8 | 21.3 | 66 | 161.0 | | |
| Q050794 | | 30 | 0.9 | 2.4 | 45 | 5.3 | | 3.36 |
| Q050795 | | 18 | 12.8 | 2.9 | 124 | 9.0 | | 5.41 |
| Q050796 | | 8 | 3.6 | 1.8 | 20 | 2.7 | | 4.84 |
| Q050797 | | 5 | 15.6 | 2.8 | 443 | 2.3 | 0.903 | 5.40 |
| Q050798 | | 5 | 3.4 | 2.8 | 669 | 1.5 | | 5.63 |
| Q050799 | | 1 | <0.1 | 2.1 | 35 | 2.3 | | 5.11 |
| Q050800 | | 8 | 0.8 | 2.1 | 51 | 1.4 | | 5.52 |
| Q050801 | | 6 | 1.5 | 1.8 | 132 | 4.2 | | 3.43 |
| Q050802 | | 6 | 1.1 | 2.2 | 245 | 4.4 | | 5.00 |
| Q050803 | | 10 | 1.0 | 2.4 | 106 | 5.8 | | 2.97 |
| Q050804 | | 151 | 39.0 | 13.3 | 374 | 264 | | |
| Q050805 | | 11 | 1.5 | 6.9 | 247 | 18.0 | | 7.05 |
| Q050806 | | 26 | 21.7 | 9.3 | 40 | 42.6 | | 5.12 |
| Q050807 | | 15 | 2.1 | 6.7 | 15 | 16.6 | | 5.28 |
| Q050808 | | 18 | 5.7 | 10.9 | 12 | 22.5 | | 11.01 |
| Q050809 | | 29 | 3.3 | 9.4 | 39 | 37.2 | | 11.23 |
| Q050810 | | 28 | 2.5 | 8.6 | 17 | 48.6 | | 6.16 |
| Q050811 | | 24 | 2.2 | 8.4 | 18 | 36.1 | | 5.70 |
| Q050812 | | 18 | 9.7 | 8.3 | 17 | 20.1 | | 11.92 |
| Q050813 | | 38 | 3.1 | 8.1 | 15 | 37.7 | | 12.47 |
| Q050814 | | 10 | 1.3 | 6.6 | 15 | 7.7 | | 12.34 |
| Q050815 | | 9 | 2.0 | 4.9 | 16 | 2.7 | | 12.13 |
| Q050816 | | 8 | 2.3 | 5.1 | 17 | 3.1 | | |
| Q050817 | | 12 | 0.5 | 3.0 | 8 | 0.6 | | 5.44 |
| Q050818 | | 19 | 0.5 | 2.9 | 16 | 1.0 | | 3.13 |
| Q050819 | | 10 | 0.5 | 3.7 | 39 | 0.8 | | 4.73 |
| Q050820 | | 14 | 0.7 | 3.3 | 14 | 1.6 | | 2.16 |
| Q050821 | | 7 | 0.5 | 2.6 | 25 | 0.8 | | 3.95 |
| Q050822 | | 7 | 0.4 | 2.2 | 155 | 1.0 | | 4.42 |
| Q050823 | | 8 | 0.3 | 2.6 | 68 | 0.9 | | 4.82 |
| Q050824 | | 10 | 0.4 | 2.5 | 5 | 0.9 | | 5.72 |
| Q050825 | | 9 | 0.5 | 3.7 | 17 | 1.2 | | 5.47 |
| Q050826 | | 11 | 0.9 | 1.8 | 98 | 1.5 | | 4.45 |
| Q050827 | | 13 | 1.3 | 1.3 | 68 | 6.1 | | 1.22 |
| Q050828 | | 9 | 1.1 | 2.3 | 125 | 6.2 | | 5.38 |
| Q050829 | | 7 | 0.5 | 1.7 | 90 | 5.2 | | 4.64 |
| Q050830 | | 10 | 0.5 | 2.7 | 57 | 9.3 | | 3.58 |

Comments: **Corrected copy for method Au-AA26 and ME-MS61 for samples Q050815 and Q050816**

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

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**VANCOUVER BC V6B 1L8**

Project: Tiger


**Finalized Date: 3-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20190173

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| | LOG-23 | OA-HSUL10 | PUL-31 | PUL-31d |
| | PUL-QC | SPL-21 | SPL-21d | WEI-21 |
| | WEI-22 | WSH-21 | WSH-22 | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | As-OG62 | Au-AA26 | ME-MS61 | ME-OG62 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 24-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20190174

Project: Tiger

P.O. No.: R20-D03

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 31-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |
| WSH-21 | "Wash" crushers |
| WSH-22 | "Wash" pulverizers |
| WEI-22 | Dry Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| OA-HSUL10 | Handling of High Sulphide Samples |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 24-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190174

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| Q050831 | | 5.02 | <0.01 | 0.05 | 0.17 | 6.8 | 190 | 0.14 | 0.10 | 19.75 | 0.06 | 2.07 | 0.6 | 4 | 0.24 | 3.2 |
| Q050833 | | 5.25 | <0.01 | 0.05 | 0.09 | 6.3 | 150 | 0.23 | 0.23 | 20.6 | 1.80 | 3.03 | 0.5 | 3 | 0.23 | 1.9 |
| Q050834 | | 6.00 | <0.01 | 0.05 | 0.08 | 2.9 | 210 | 0.26 | 0.33 | 22.2 | 0.93 | 2.92 | 0.5 | 3 | 0.23 | 1.4 |
| Q050835 | | 5.15 | 0.01 | 0.13 | 0.19 | 7.1 | 110 | 0.23 | 0.42 | 21.4 | 0.38 | 3.92 | 0.7 | 6 | 0.37 | 2.6 |
| Q050836 | | 5.25 | 0.01 | 0.12 | 0.50 | 5.6 | 230 | 0.31 | 1.20 | 21.1 | 0.14 | 6.30 | 1.3 | 12 | 0.89 | 2.3 |
| Q050837 | | 4.85 | 0.01 | 0.09 | 0.39 | 9.9 | 2430 | 0.30 | 1.27 | 20.3 | 0.42 | 5.46 | 1.2 | 10 | 0.54 | 2.5 |
| Q050838 | | 4.29 | 0.06 | 0.25 | 0.53 | 8.7 | 160 | 0.38 | 2.99 | 20.7 | 0.16 | 6.69 | 1.6 | 15 | 0.93 | 2.5 |
| Q050839 | | 3.93 | 0.03 | 0.39 | 0.33 | 20.5 | 100 | 0.34 | 3.32 | 19.45 | 0.67 | 6.91 | 1.4 | 13 | 0.63 | 2.4 |
| Q050840 | | 4.14 | 0.02 | 0.11 | 0.35 | 15.8 | 140 | 0.25 | 0.99 | 19.10 | 0.37 | 5.49 | 1.7 | 19 | 0.47 | 3.0 |
| Q050841 | | 5.85 | 0.02 | 0.12 | 0.73 | 14.1 | 220 | 0.30 | 0.24 | 20.1 | 0.24 | 6.84 | 1.7 | 22 | 1.26 | 4.4 |
| Q050842 | | 4.86 | 0.04 | 0.07 | 1.43 | 20.9 | 480 | 0.52 | 2.20 | 20.4 | 0.02 | 12.65 | 3.3 | 34 | 1.56 | 5.1 |
| Q050843 | | 0.05 | 0.42 | 1.50 | 9.27 | 5.3 | 330 | 1.57 | 0.34 | 3.45 | 0.04 | 36.5 | 20.0 | 107 | 1.82 | 34.6 |
| Q050844 | | 13.15 | 0.02 | 0.19 | 1.31 | 100.0 | 340 | 0.45 | 0.12 | 31.7 | 1.17 | 20.1 | 5.7 | 40 | 0.50 | 4.7 |
| Q050845 | | 11.35 | 0.01 | 0.25 | 1.88 | 52.9 | 400 | 0.62 | 0.05 | 29.6 | 1.92 | 28.5 | 8.2 | 57 | 0.82 | 5.3 |
| Q050846 | | 7.02 | <0.01 | <0.01 | 0.09 | 0.2 | 30 | 0.07 | 0.01 | 33.1 | 0.02 | 1.17 | 0.6 | 1 | <0.05 | 1.4 |
| Q050847 | | 12.31 | <0.01 | 0.02 | 0.91 | 34.2 | 240 | 0.32 | 0.02 | 32.0 | 0.06 | 18.95 | 5.3 | 31 | 0.42 | 4.5 |
| Q050848 | | 10.12 | <0.01 | 0.03 | 1.07 | 47.0 | 240 | 0.33 | 0.03 | 30.9 | 0.05 | 20.4 | 6.2 | 34 | 0.56 | 4.1 |
| Q050849 | | 12.05 | 0.01 | 0.05 | 1.17 | 37.3 | 250 | 0.34 | 0.04 | 27.9 | 0.07 | 20.0 | 7.4 | 45 | 0.65 | 5.4 |
| Q050850 | | 10.48 | <0.01 | 0.04 | 0.67 | 23.8 | 180 | 0.21 | 0.02 | 32.9 | 0.08 | 15.15 | 4.9 | 25 | 0.36 | 4.3 |
| Q050851 | | 5.44 | <0.01 | 0.04 | 0.42 | 31.5 | 130 | 0.12 | 0.01 | 36.1 | 0.06 | 12.80 | 4.6 | 17 | 0.23 | 2.6 |
| Q050852 | | 11.47 | 0.01 | 0.04 | 0.55 | 41.0 | 190 | 0.18 | 0.02 | 34.9 | 0.09 | 14.80 | 6.0 | 20 | 0.30 | 3.3 |
| Q050853 | | 5.20 | 0.01 | 0.04 | 0.49 | 28.7 | 190 | 0.14 | 0.02 | 35.2 | 0.08 | 11.00 | 4.1 | 16 | 0.26 | 3.0 |
| Q050854 | | 5.28 | <0.01 | 0.04 | 0.50 | 28.6 | 200 | 0.19 | 0.02 | 35.4 | 0.09 | 11.65 | 4.3 | 17 | 0.29 | 3.0 |
| Q050855 | | 10.74 | <0.01 | 0.21 | 1.03 | 52.9 | 320 | 0.29 | 0.03 | 31.8 | 0.14 | 17.65 | 4.8 | 33 | 0.59 | 4.9 |
| Q050856 | | 11.48 | 0.01 | 0.13 | 1.25 | 33.4 | 310 | 0.40 | 0.03 | 31.4 | 0.07 | 20.8 | 6.9 | 38 | 0.76 | 5.4 |
| Q050857 | | 10.20 | 0.08 | 0.24 | 1.66 | 51.0 | 470 | 0.50 | 0.74 | 31.1 | 0.12 | 31.1 | 9.4 | 69 | 0.98 | 6.0 |
| Q050858 | | 0.05 | 3.12 | 1.70 | 6.62 | 1970 | 380 | 1.25 | 3.00 | 2.15 | 1.14 | 36.7 | 52.1 | 612 | 4.88 | 1115 |
| Q050859 | | 10.43 | 0.01 | 0.05 | 0.44 | 16.4 | 200 | 0.16 | 0.35 | 35.5 | 0.14 | 9.89 | 2.3 | 15 | 0.23 | 2.4 |
| Q050860 | | <0.02 | 0.01 | 0.05 | 0.44 | 16.2 | 200 | 0.13 | 0.36 | 36.6 | 0.14 | 9.40 | 2.3 | 15 | 0.21 | 2.4 |
| Q050861 | | 3.53 | <0.01 | 0.04 | 0.08 | 11.3 | 60 | 0.06 | 0.01 | 39.3 | 0.23 | 2.34 | 0.8 | 2 | 0.05 | 1.2 |
| Q050862 | | 2.67 | <0.01 | 0.03 | 0.07 | 8.8 | 60 | 0.05 | 0.01 | 38.5 | 0.18 | 1.89 | 0.8 | 2 | 0.07 | 1.4 |
| Q050863 | | 3.51 | <0.01 | 0.02 | 0.11 | 10.1 | 60 | 0.07 | 0.01 | 37.8 | 0.14 | 2.10 | 0.8 | 4 | 0.14 | 1.2 |
| Q050864 | | 3.60 | <0.01 | 0.02 | 0.10 | 18.7 | 70 | 0.07 | 0.02 | 37.7 | 0.22 | 2.38 | 0.9 | 3 | 0.12 | 1.1 |
| Q050865 | | 3.94 | 0.02 | 0.07 | 0.15 | 31.6 | 100 | 0.08 | 0.01 | 38.3 | 0.21 | 3.57 | 0.9 | 4 | 0.12 | 1.2 |
| Q050866 | | 7.19 | 0.01 | 0.06 | 0.22 | 49.4 | 180 | 0.10 | 0.02 | 36.9 | 0.20 | 4.06 | 1.2 | 6 | 0.15 | 3.0 |
| Q050867 | | 3.55 | 0.01 | 0.07 | 0.58 | 114.5 | 460 | 0.26 | 0.02 | 37.1 | 0.25 | 8.54 | 3.3 | 16 | 0.36 | 2.5 |
| Q050868 | | 11.21 | 0.01 | 0.06 | 0.23 | 62.3 | 140 | 0.12 | 0.01 | 37.8 | 0.28 | 5.82 | 1.0 | 8 | 0.09 | 1.2 |
| Q050869 | | 5.83 | <0.01 | 0.05 | 0.27 | 56.1 | 170 | 0.15 | 0.01 | 38.4 | 0.46 | 6.11 | 1.0 | 8 | 0.15 | 1.5 |
| Q050870 | | 5.28 | 0.02 | 0.07 | 0.33 | 125.5 | 160 | 0.15 | 0.02 | 36.6 | 0.26 | 5.89 | 1.0 | 9 | 0.16 | 1.7 |
| W231772 | | 3.49 | <0.01 | 0.09 | 0.14 | 10.1 | 220 | 0.13 | 0.32 | 20.6 | 0.16 | 2.72 | 0.6 | 3 | 0.30 | 4.1 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 24-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190174

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| Q050831 | | 0.24 | 0.60 | 0.32 | 0.1 | 0.006 | 0.07 | 1.2 | 1.8 | 11.85 | 246 | 1.11 | 0.01 | 0.3 | 2.3 | 10 |
| Q050833 | | 1.38 | 0.47 | 0.13 | <0.1 | 0.363 | 0.04 | 2.0 | 1.9 | 11.65 | 3910 | 0.48 | 0.01 | 0.2 | 2.7 | <10 |
| Q050834 | | 0.97 | 0.47 | 0.15 | <0.1 | 0.184 | 0.04 | 1.8 | 1.8 | 12.40 | 2670 | 0.68 | 0.01 | 0.2 | 1.8 | <10 |
| Q050835 | | 0.74 | 0.66 | 0.19 | 0.1 | 0.147 | 0.08 | 2.3 | 1.9 | 11.65 | 1570 | 0.63 | 0.01 | 0.6 | 3.7 | <10 |
| Q050836 | | 0.68 | 1.49 | 0.20 | 0.2 | 0.092 | 0.25 | 3.6 | 2.6 | 11.65 | 955 | 0.50 | 0.01 | 2.1 | 6.9 | 10 |
| Q050837 | | 1.03 | 1.25 | 0.17 | 0.2 | 0.156 | 0.20 | 3.3 | 3.5 | 11.35 | 1610 | 0.39 | 0.01 | 1.5 | 6.2 | 10 |
| Q050838 | | 1.08 | 1.59 | 0.13 | 0.3 | 0.147 | 0.26 | 3.7 | 2.1 | 11.35 | 1340 | 0.46 | 0.01 | 2.6 | 6.7 | 20 |
| Q050839 | | 1.95 | 1.34 | 0.07 | 0.1 | 0.744 | 0.16 | 3.9 | 2.1 | 11.25 | 3080 | 0.23 | 0.01 | 1.5 | 5.6 | 50 |
| Q050840 | | 0.97 | 1.03 | 0.12 | 0.2 | 0.044 | 0.18 | 3.0 | 2.5 | 11.25 | 503 | 0.44 | 0.01 | 2.9 | 5.3 | 50 |
| Q050841 | | 0.90 | 1.77 | 0.14 | 0.2 | 0.013 | 0.33 | 3.7 | 5.9 | 11.60 | 372 | 0.44 | 0.01 | 2.9 | 8.6 | 10 |
| Q050842 | | 1.52 | 3.47 | 0.11 | 0.4 | 0.012 | 0.74 | 6.3 | 7.4 | 11.45 | 409 | 0.38 | 0.02 | 6.7 | 14.7 | 60 |
| Q050843 | | 7.10 | 30.3 | 0.14 | 4.7 | 0.098 | 1.29 | 18.2 | 14.7 | 1.58 | 740 | 8.83 | 1.95 | 12.8 | 24.3 | 480 |
| Q050844 | | 1.82 | 3.32 | 0.06 | 0.5 | 0.025 | 0.64 | 12.5 | 3.3 | 1.50 | 430 | 0.22 | 0.02 | 7.3 | 19.5 | 380 |
| Q050845 | | 1.87 | 4.77 | 0.08 | 0.8 | 0.025 | 0.93 | 16.5 | 4.8 | 1.76 | 406 | 0.26 | 0.02 | 13.3 | 29.4 | 580 |
| Q050846 | | 0.16 | 0.33 | 0.06 | <0.1 | <0.005 | 0.02 | 1.2 | 1.0 | 2.04 | 134 | 0.07 | 0.05 | 0.2 | 0.9 | 60 |
| Q050847 | | 1.44 | 2.47 | 0.08 | 0.5 | 0.020 | 0.45 | 10.9 | 2.4 | 2.21 | 278 | 0.24 | 0.01 | 6.1 | 17.4 | 300 |
| Q050848 | | 1.49 | 2.79 | 0.06 | 0.6 | 0.020 | 0.53 | 12.1 | 2.8 | 2.01 | 287 | 0.21 | 0.01 | 6.9 | 22.1 | 330 |
| Q050849 | | 1.63 | 3.06 | 0.07 | 0.6 | 0.018 | 0.57 | 11.5 | 3.2 | 3.61 | 269 | 0.23 | 0.01 | 7.4 | 22.9 | 380 |
| Q050850 | | 1.07 | 1.81 | 0.06 | 0.4 | 0.014 | 0.33 | 9.1 | 2.2 | 2.52 | 248 | 0.21 | 0.01 | 4.6 | 16.0 | 270 |
| Q050851 | | 0.74 | 1.15 | 0.05 | 0.3 | 0.011 | 0.21 | 8.0 | 1.2 | 0.59 | 241 | 0.35 | 0.01 | 3.1 | 11.7 | 170 |
| Q050852 | | 0.89 | 1.50 | 0.07 | 0.4 | 0.009 | 0.27 | 8.7 | 1.5 | 0.74 | 236 | 0.77 | 0.01 | 4.1 | 15.1 | 220 |
| Q050853 | | 0.75 | 1.31 | 0.06 | 0.3 | 0.011 | 0.24 | 7.5 | 1.4 | 0.79 | 228 | 0.38 | 0.01 | 3.3 | 11.7 | 170 |
| Q050854 | | 0.78 | 1.32 | 0.05 | 0.4 | 0.015 | 0.25 | 8.0 | 1.5 | 0.88 | 235 | 0.37 | 0.01 | 3.5 | 11.8 | 180 |
| Q050855 | | 1.36 | 2.73 | 0.05 | 0.6 | 0.021 | 0.51 | 11.7 | 2.7 | 1.86 | 277 | 0.30 | 0.01 | 6.6 | 16.8 | 360 |
| Q050856 | | 1.64 | 3.33 | 0.06 | 0.7 | 0.027 | 0.60 | 13.7 | 3.8 | 2.07 | 235 | 0.33 | 0.02 | 7.9 | 22.2 | 420 |
| Q050857 | | 2.18 | 4.46 | 0.07 | 0.8 | 0.053 | 0.80 | 19.4 | 4.0 | 1.03 | 479 | 0.44 | 0.02 | 11.4 | 31.4 | 610 |
| Q050858 | | 8.80 | 17.20 | 0.09 | 6.2 | 0.122 | 1.41 | 17.6 | 22.1 | 2.47 | 822 | 6.71 | 0.86 | 3.5 | 550 | 410 |
| Q050859 | | 0.67 | 1.16 | <0.05 | 0.2 | 0.013 | 0.22 | 6.9 | 1.5 | 0.85 | 264 | 0.12 | 0.01 | 2.9 | 7.3 | 160 |
| Q050860 | | 0.68 | 1.22 | 0.05 | 0.2 | 0.013 | 0.21 | 6.5 | 1.5 | 0.87 | 271 | 0.15 | 0.01 | 2.8 | 7.6 | 170 |
| Q050861 | | 0.17 | 0.27 | <0.05 | <0.1 | <0.005 | 0.03 | 2.5 | 0.3 | 0.31 | 192 | <0.05 | <0.01 | 0.5 | 1.7 | 60 |
| Q050862 | | 0.16 | 0.25 | <0.05 | <0.1 | <0.005 | 0.02 | 2.1 | 0.4 | 0.34 | 184 | 0.09 | <0.01 | 0.4 | 1.9 | 50 |
| Q050863 | | 0.18 | 0.36 | <0.05 | 0.1 | <0.005 | 0.04 | 2.3 | 0.5 | 0.47 | 177 | <0.05 | <0.01 | 0.7 | 1.8 | 70 |
| Q050864 | | 0.23 | 0.33 | <0.05 | <0.1 | <0.005 | 0.04 | 2.4 | 0.5 | 0.39 | 208 | <0.05 | <0.01 | 0.7 | 2.5 | 50 |
| Q050865 | | 0.33 | 0.45 | 0.05 | 0.1 | 0.006 | 0.07 | 3.4 | 0.5 | 0.30 | 242 | 0.05 | <0.01 | 1.0 | 2.7 | 80 |
| Q050866 | | 0.42 | 0.64 | <0.05 | 0.1 | 0.006 | 0.12 | 3.9 | 0.9 | 0.41 | 228 | 0.08 | <0.01 | 1.4 | 3.8 | 90 |
| Q050867 | | 0.80 | 1.59 | <0.05 | 0.4 | 0.006 | 0.31 | 7.3 | 2.2 | 0.43 | 239 | 0.15 | 0.01 | 3.4 | 10.8 | 210 |
| Q050868 | | 0.41 | 0.64 | <0.05 | 0.1 | 0.006 | 0.12 | 5.5 | 0.7 | 0.24 | 198 | 0.09 | <0.01 | 1.5 | 3.0 | 90 |
| Q050869 | | 0.39 | 0.74 | <0.05 | 0.2 | 0.007 | 0.15 | 6.3 | 0.9 | 0.24 | 213 | 0.05 | <0.01 | 1.6 | 3.1 | 100 |
| Q050870 | | 0.52 | 0.93 | <0.05 | 0.2 | 0.008 | 0.18 | 5.3 | 1.2 | 0.37 | 202 | 0.07 | 0.01 | 1.9 | 3.4 | 140 |
| W231772 | | 0.20 | 0.38 | 0.07 | 0.1 | 0.011 | 0.06 | 1.6 | 1.7 | 12.50 | 327 | 1.45 | 0.01 | 0.3 | 2.6 | 10 |

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

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**Finalized Date: 24-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190174

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| Q050831 | | 4.0 | 3.2 | <0.002 | 0.12 | 0.91 | 0.4 | 1 | 0.2 | 34.8 | <0.05 | <0.05 | 0.23 | 0.010 | 0.06 | 0.2 |
| Q050833 | | 7.0 | 4.3 | <0.002 | 0.04 | 0.37 | 0.4 | 1 | 2.4 | 41.1 | <0.05 | <0.05 | 0.15 | 0.006 | 0.03 | 0.1 |
| Q050834 | | 6.2 | 3.8 | <0.002 | 0.04 | 0.24 | 0.3 | 1 | 2.6 | 56.1 | <0.05 | <0.05 | 0.12 | 0.006 | 0.03 | 0.2 |
| Q050835 | | 20.0 | 5.6 | <0.002 | 0.21 | 0.52 | 0.6 | 1 | 1.8 | 49.0 | <0.05 | <0.05 | 0.25 | 0.017 | 0.09 | 0.2 |
| Q050836 | | 11.3 | 16.5 | <0.002 | 0.41 | 0.66 | 1.3 | 1 | 3.1 | 49.9 | 0.11 | <0.05 | 0.46 | 0.050 | 0.24 | 0.3 |
| Q050837 | | 15.4 | 7.9 | <0.002 | 0.50 | 0.52 | 1.0 | 1 | 1.4 | 66.8 | 0.09 | <0.05 | 0.33 | 0.037 | 0.17 | 0.3 |
| Q050838 | | 24.1 | 23.9 | <0.002 | 0.69 | 1.11 | 1.7 | 1 | 8.1 | 43.3 | 0.13 | <0.05 | 0.46 | 0.060 | 0.24 | 0.3 |
| Q050839 | | 53.8 | 15.0 | <0.002 | 0.80 | 0.97 | 1.5 | 1 | 7.2 | 37.8 | 0.07 | <0.05 | 0.26 | 0.040 | 0.16 | 0.3 |
| Q050840 | | 19.6 | 10.5 | <0.002 | 0.82 | 1.20 | 1.7 | 1 | 1.4 | 40.8 | 0.13 | <0.05 | 0.38 | 0.078 | 0.25 | 0.4 |
| Q050841 | | 12.8 | 12.8 | <0.002 | 0.88 | 1.26 | 2.0 | 1 | 0.9 | 46.9 | 0.15 | <0.05 | 0.42 | 0.083 | 0.29 | 0.3 |
| Q050842 | | 4.0 | 22.1 | <0.002 | 1.56 | 1.25 | 3.7 | 1 | 1.0 | 68.9 | 0.35 | <0.05 | 1.01 | 0.168 | 0.45 | 0.3 |
| Q050843 | | 21.2 | 66.3 | <0.002 | 0.05 | 0.61 | 21.0 | 2 | 3.4 | 153.5 | 1.30 | <0.05 | 27.6 | 0.744 | 0.42 | 5.3 |
| Q050844 | | 57.8 | 20.2 | <0.002 | 0.26 | 2.89 | 3.6 | 1 | 0.4 | 441 | 0.43 | <0.05 | 1.08 | 0.232 | 0.24 | 0.8 |
| Q050845 | | 127.0 | 31.0 | <0.002 | 0.25 | 3.13 | 4.9 | 1 | 0.6 | 548 | 0.62 | <0.05 | 1.46 | 0.362 | 0.17 | 1.1 |
| Q050846 | | 0.9 | 0.7 | <0.002 | <0.01 | 0.07 | 0.2 | 1 | <0.2 | 79.8 | <0.05 | <0.05 | 0.08 | 0.005 | <0.02 | 0.1 |
| Q050847 | | 3.0 | 15.2 | 0.002 | 0.35 | 1.33 | 3.1 | 1 | 0.3 | 639 | 0.32 | <0.05 | 1.01 | 0.179 | 0.08 | 1.0 |
| Q050848 | | 3.8 | 18.2 | 0.003 | 0.24 | 2.08 | 3.4 | 1 | 0.3 | 602 | 0.39 | <0.05 | 1.11 | 0.207 | 0.15 | 1.1 |
| Q050849 | | 5.3 | 20.5 | <0.002 | 0.25 | 2.46 | 3.9 | 1 | 0.3 | 446 | 0.41 | <0.05 | 1.30 | 0.224 | 0.14 | 0.8 |
| Q050850 | | 4.2 | 11.5 | 0.003 | 0.33 | 1.59 | 2.5 | 1 | 0.2 | 443 | 0.25 | <0.05 | 0.77 | 0.136 | 0.10 | 0.9 |
| Q050851 | | 3.1 | 6.9 | 0.003 | 0.25 | 1.24 | 1.7 | 1 | <0.2 | 428 | 0.17 | <0.05 | 0.57 | 0.088 | 0.10 | 0.7 |
| Q050852 | | 3.7 | 9.2 | 0.002 | 0.32 | 1.61 | 2.1 | 1 | 0.2 | 433 | 0.22 | <0.05 | 0.74 | 0.114 | 0.10 | 1.2 |
| Q050853 | | 3.0 | 8.2 | 0.002 | 0.10 | 1.36 | 1.7 | 1 | 0.2 | 367 | 0.19 | <0.05 | 0.64 | 0.093 | 0.08 | 0.9 |
| Q050854 | | 3.0 | 8.5 | 0.003 | 0.13 | 1.34 | 1.7 | 1 | 0.2 | 361 | 0.19 | <0.05 | 0.65 | 0.099 | 0.08 | 1.0 |
| Q050855 | | 4.2 | 18.5 | <0.002 | 0.50 | 3.07 | 3.1 | 1 | 0.3 | 476 | 0.36 | <0.05 | 1.13 | 0.194 | 0.17 | 0.8 |
| Q050856 | | 4.0 | 21.8 | <0.002 | 0.95 | 2.93 | 3.7 | 1 | 0.5 | 516 | 0.46 | <0.05 | 1.38 | 0.232 | 0.17 | 0.8 |
| Q050857 | | 7.8 | 30.3 | <0.002 | 0.76 | 3.98 | 5.3 | 1 | 1.0 | 414 | 0.66 | <0.05 | 1.73 | 0.335 | 0.27 | 0.8 |
| Q050858 | | 253 | 76.9 | 0.002 | 1.53 | 200 | 23.4 | 1 | 3.0 | 136.5 | 0.33 | 1.66 | 4.84 | 0.252 | 0.93 | 1.6 |
| Q050859 | | 1.9 | 7.2 | <0.002 | 0.24 | 0.83 | 1.6 | 1 | 0.2 | 268 | 0.17 | <0.05 | 0.51 | 0.082 | 0.05 | 0.4 |
| Q050860 | | 1.8 | 7.1 | <0.002 | 0.25 | 0.83 | 1.5 | 1 | 0.2 | 273 | 0.16 | <0.05 | 0.49 | 0.081 | 0.06 | 0.4 |
| Q050861 | | 0.8 | 1.1 | <0.002 | 0.01 | 0.10 | 0.4 | 1 | <0.2 | 143.0 | <0.05 | <0.05 | 0.11 | 0.012 | 0.02 | 0.1 |
| Q050862 | | 1.1 | 0.8 | <0.002 | 0.03 | 0.11 | 0.3 | 1 | <0.2 | 145.0 | <0.05 | <0.05 | 0.09 | 0.010 | <0.02 | 0.1 |
| Q050863 | | 0.8 | 1.7 | <0.002 | 0.04 | 0.09 | 0.4 | 1 | <0.2 | 133.5 | <0.05 | <0.05 | 0.14 | 0.016 | <0.02 | 0.1 |
| Q050864 | | 1.1 | 1.4 | <0.002 | 0.01 | 0.12 | 0.4 | 1 | <0.2 | 129.0 | <0.05 | <0.05 | 0.11 | 0.016 | <0.02 | 0.1 |
| Q050865 | | 1.0 | 2.4 | <0.002 | 0.01 | 0.11 | 0.6 | 1 | <0.2 | 152.0 | 0.06 | <0.05 | 0.21 | 0.024 | <0.02 | 0.2 |
| Q050866 | | 1.8 | 4.1 | <0.002 | 0.07 | 0.25 | 0.8 | 1 | <0.2 | 142.5 | 0.08 | <0.05 | 0.23 | 0.038 | 0.02 | 0.2 |
| Q050867 | | 3.5 | 10.2 | <0.002 | 0.09 | 0.83 | 1.9 | 1 | 0.2 | 90.9 | 0.19 | <0.05 | 0.56 | 0.105 | 0.07 | 0.4 |
| Q050868 | | 2.2 | 4.1 | <0.002 | 0.01 | 0.44 | 0.9 | 1 | <0.2 | 128.5 | 0.08 | <0.05 | 0.30 | 0.041 | 0.02 | 0.2 |
| Q050869 | | 12.4 | 5.7 | <0.002 | <0.01 | 0.27 | 1.0 | 1 | <0.2 | 127.0 | 0.09 | <0.05 | 0.33 | 0.047 | 0.02 | 0.2 |
| Q050870 | | 6.7 | 6.4 | <0.002 | 0.01 | 0.34 | 1.1 | 1 | <0.2 | 111.5 | 0.11 | <0.05 | 0.36 | 0.057 | 0.03 | 0.2 |
| W231772 | | 7.8 | 4.1 | <0.002 | 0.09 | 1.29 | 0.4 | 1 | 0.4 | 30.3 | <0.05 | <0.05 | 0.27 | 0.010 | 0.06 | 0.3 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 24-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20190174

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | WEI-22 |
|---|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr | Dry Wt. |
| | Units | ppm | ppm | ppm | ppm | ppm | kg |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 | 0.02 |
| Q050831 | | 6 | 0.2 | 1.1 | 28 | 2.6 | 4.99 |
| Q050833 | | 9 | 0.3 | 2.5 | 297 | 1.6 | 5.22 |
| Q050834 | | 5 | 0.5 | 2.3 | 219 | 1.3 | 5.96 |
| Q050835 | | 8 | 0.5 | 3.1 | 99 | 3.6 | 5.13 |
| Q050836 | | 11 | 0.9 | 4.1 | 36 | 9.7 | 5.23 |
| Q050837 | | 7 | 0.5 | 3.2 | 89 | 7.4 | 4.81 |
| Q050838 | | 10 | 1.5 | 5.6 | 72 | 10.9 | 4.26 |
| Q050839 | | 11 | 1.5 | 6.0 | 212 | 6.3 | 3.90 |
| Q050840 | | 13 | 0.8 | 5.1 | 125 | 9.1 | 4.12 |
| Q050841 | | 14 | 0.8 | 4.2 | 84 | 9.5 | 5.82 |
| Q050842 | | 25 | 0.9 | 5.6 | 22 | 19.6 | 4.84 |
| Q050843 | | 212 | 0.7 | 23.7 | 69 | 173.0 | |
| Q050844 | | 37 | 26.5 | 9.7 | 545 | 26.7 | 13.02 |
| Q050845 | | 50 | 0.9 | 12.9 | 580 | 42.0 | 11.24 |
| Q050846 | | 1 | 0.1 | 2.3 | 4 | 2.0 | 7.02 |
| Q050847 | | 31 | 0.5 | 9.2 | 21 | 24.1 | 12.26 |
| Q050848 | | 34 | 2.3 | 10.5 | 54 | 27.0 | 10.05 |
| Q050849 | | 40 | 3.8 | 10.8 | 62 | 27.4 | 11.97 |
| Q050850 | | 26 | 0.4 | 8.8 | 34 | 19.8 | 10.44 |
| Q050851 | | 21 | 3.5 | 7.7 | 20 | 13.5 | 5.41 |
| Q050852 | | 26 | 0.8 | 8.6 | 29 | 16.3 | 11.42 |
| Q050853 | | 15 | 2.6 | 7.6 | 34 | 13.9 | 5.17 |
| Q050854 | | 17 | 3.3 | 7.7 | 36 | 14.3 | 5.25 |
| Q050855 | | 29 | 12.1 | 9.6 | 74 | 26.4 | 10.70 |
| Q050856 | | 34 | 0.8 | 10.8 | 18 | 29.1 | 11.43 |
| Q050857 | | 49 | 2.9 | 14.8 | 31 | 34.0 | 9.91 |
| Q050858 | | 156 | 40.9 | 14.3 | 393 | 279 | |
| Q050859 | | 12 | 1.1 | 7.2 | 17 | 10.5 | 10.38 |
| Q050860 | | 12 | 1.0 | 7.2 | 17 | 10.6 | |
| Q050861 | | 2 | 0.1 | 3.6 | 26 | 2.0 | 3.52 |
| Q050862 | | 1 | 0.1 | 3.0 | 19 | 1.9 | 2.66 |
| Q050863 | | 2 | 0.1 | 2.8 | 12 | 3.4 | 3.50 |
| Q050864 | | 2 | 0.2 | 3.5 | 36 | 2.1 | 3.58 |
| Q050865 | | 4 | 0.2 | 4.6 | 24 | 5.8 | 3.92 |
| Q050866 | | 7 | 0.2 | 4.3 | 24 | 7.0 | 7.13 |
| Q050867 | | 17 | 0.5 | 7.3 | 62 | 13.5 | 3.51 |
| Q050868 | | 7 | 4.8 | 5.5 | 43 | 6.8 | 11.15 |
| Q050869 | | 8 | 1.5 | 6.1 | 108 | 6.7 | 5.80 |
| Q050870 | | 8 | 0.9 | 5.1 | 61 | 7.2 | 5.24 |
| W231772 | | 6 | 0.2 | 1.7 | 35 | 2.6 | 3.48 |

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

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

Project: Tiger


**Finalized Date: 24-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20190174

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | OA-HSUL10 | PUL-31 | PUL-31d |
| PUL-QC | SPL-21 | SPL-21d | WEI-21 |
| WEI-22 | WSH-21 | WSH-22 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20193850

Project: Tiger

P.O. No.: R20-D04

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |
| WSH-21 | "Wash" crushers |
| WSH-22 | "Wash" pulverizers |
| WEI-22 | Dry Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| OA-HSUL10 | Handling of High Sulphide Samples |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20193850

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| Q050871 | | 2.32 | 0.02 | 0.06 | 0.18 | 38.7 | 110 | 0.10 | 0.01 | 38.8 | 0.37 | 4.31 | 1.7 | 7 | 0.08 | 2.5 |
| Q050872 | | 2.63 | 0.02 | 0.09 | 0.26 | 44.5 | 140 | 0.17 | 0.01 | 39.6 | 0.32 | 5.40 | 1.8 | 9 | 0.09 | 2.6 |
| Q050873 | | 0.05 | 3.01 | 1.83 | 6.51 | 1920 | 390 | 1.30 | 3.21 | 2.19 | 1.26 | 37.0 | 50.5 | 630 | 5.28 | 1100 |
| Q050874 | | 4.20 | 0.01 | 0.05 | 0.22 | 10.9 | 40 | 0.13 | 0.48 | 21.5 | 0.09 | 5.74 | 1.3 | 4 | 0.99 | 2.7 |
| Q050875 | | 5.85 | <0.01 | <0.01 | 0.06 | 0.4 | 20 | 0.07 | 0.02 | 35.4 | <0.02 | 0.93 | 1.4 | 3 | <0.05 | 1.9 |
| Q050876 | | 2.30 | 0.01 | 0.18 | 0.26 | 41.8 | 230 | 0.31 | 2.42 | 19.20 | 0.42 | 5.76 | 1.9 | 5 | 2.28 | 3.8 |
| Q050877 | | 3.48 | 0.01 | 0.10 | 0.32 | 29.6 | 110 | 0.27 | 3.95 | 21.7 | 0.06 | 5.71 | 1.3 | 7 | 2.30 | 3.2 |
| Q050878 | | 4.90 | 0.01 | 0.04 | 0.15 | 8.3 | 70 | 0.15 | 0.99 | 21.3 | 0.11 | 4.31 | 1.1 | 5 | 1.18 | 3.0 |
| Q050879 | | 4.96 | 0.01 | 0.03 | 0.24 | 10.1 | 50 | 0.23 | 1.40 | 22.1 | 0.14 | 5.17 | 1.3 | 7 | 1.92 | 3.2 |
| Q050880 | | 1.41 | 0.01 | 0.11 | 0.13 | 56.0 | 80 | 0.12 | 0.66 | 22.3 | 0.37 | 2.92 | 1.8 | 6 | 1.78 | 2.7 |
| Q050881 | | 1.23 | <0.01 | 0.02 | 0.23 | 25.1 | 30 | 0.16 | 0.42 | 21.9 | 0.12 | 4.94 | 1.3 | 5 | 1.98 | 2.4 |
| Q050882 | | 1.19 | 0.01 | 0.02 | 0.23 | 23.2 | 30 | 0.15 | 0.37 | 21.2 | 0.11 | 4.54 | 1.3 | 5 | 1.99 | 2.4 |
| Q050883 | | 3.39 | 0.01 | 0.05 | 0.45 | 12.6 | 50 | 0.32 | 2.75 | 21.9 | 0.06 | 6.46 | 1.7 | 8 | 5.09 | 2.6 |
| Q050884 | | 7.69 | <0.01 | 0.07 | 0.10 | 101.5 | 70 | 0.15 | 0.57 | 18.80 | 0.52 | 2.72 | 1.6 | 5 | 0.54 | 3.5 |
| Q050885 | | 3.01 | 0.01 | 0.03 | 0.05 | 24.7 | 20 | 0.15 | 0.57 | 21.5 | 0.21 | 2.42 | 1.2 | 3 | 0.31 | 1.8 |
| Q050886 | | 7.84 | 0.01 | 0.06 | 0.06 | 45.8 | 30 | 0.13 | 0.49 | 21.7 | 0.39 | 3.13 | 1.4 | 4 | 0.23 | 3.0 |
| Q050887 | | 8.20 | 0.01 | 0.10 | 0.08 | 47.9 | 40 | 0.12 | 1.10 | 21.8 | 0.41 | 3.23 | 1.4 | 4 | 0.25 | 6.3 |
| Q050888 | | 5.32 | 0.01 | 0.13 | 0.05 | 43.7 | 80 | 0.15 | 1.07 | 23.1 | 0.40 | 3.00 | 1.4 | 4 | 0.15 | 2.8 |
| Q050889 | | 8.03 | 0.03 | 1.62 | 0.06 | 84.5 | 70 | 0.12 | 8.71 | 22.3 | 1.30 | 3.79 | 1.4 | 5 | 0.17 | 6.3 |
| Q050890 | | 7.88 | 0.02 | 0.83 | 0.06 | 43.0 | 70 | 0.13 | 4.24 | 22.0 | 0.82 | 3.64 | 1.1 | 4 | 0.25 | 4.0 |
| Q050891 | | 8.20 | 0.03 | 0.16 | 0.25 | 27.0 | 140 | 0.14 | 4.04 | 21.1 | 0.28 | 3.51 | 3.0 | 9 | 0.60 | 9.1 |
| Q050892 | | <0.02 | 0.04 | 0.15 | 0.25 | 27.1 | 130 | 0.17 | 4.34 | 20.6 | 0.28 | 3.48 | 2.8 | 8 | 0.55 | 6.6 |
| Q050893 | | 0.05 | 0.42 | 1.36 | 8.61 | 4.6 | 310 | 1.27 | 0.36 | 3.33 | 0.07 | 33.8 | 18.0 | 105 | 1.84 | 33.4 |
| Q050894 | | 6.25 | 0.06 | 0.13 | 0.44 | 68.3 | 190 | 0.22 | 3.40 | 20.9 | 0.31 | 5.95 | 2.3 | 12 | 0.59 | 4.4 |
| Q050895 | | 7.82 | 0.14 | 0.29 | 0.33 | 28.5 | 280 | 0.20 | 7.56 | 19.20 | 0.15 | 6.18 | 1.9 | 18 | 0.29 | 3.7 |
| Q050896 | | 8.81 | 1.05 | 1.09 | 1.10 | 1130 | 510 | 0.31 | 77.9 | 17.50 | 0.25 | 9.32 | 3.4 | 37 | 0.99 | 8.9 |
| Q050897 | | 8.30 | 1.41 | 0.68 | 1.04 | 9760 | 310 | 0.20 | 121.0 | 18.15 | 0.05 | 12.60 | 3.0 | 25 | 0.76 | 8.4 |
| Q050898 | | 7.44 | 0.03 | 0.17 | 1.37 | 19.0 | 300 | 0.45 | 2.16 | 30.1 | 0.06 | 19.30 | 3.6 | 17 | 0.41 | 4.7 |
| Q050899 | | 7.91 | 0.01 | 0.06 | 1.45 | 15.9 | 240 | 0.44 | 0.17 | 31.9 | 0.10 | 23.3 | 4.7 | 16 | 0.30 | 6.9 |
| Q050900 | | 7.70 | <0.01 | 0.09 | 1.89 | 18.0 | 470 | 0.60 | 0.03 | 28.5 | 0.08 | 27.7 | 5.4 | 22 | 1.06 | 5.1 |
| Q050901 | | 8.13 | <0.01 | 0.04 | 1.16 | 46.7 | 260 | 0.49 | 0.01 | 32.6 | 0.17 | 26.0 | 19.9 | 27 | 0.33 | 8.9 |
| Q050902 | | 8.30 | <0.01 | 0.14 | 7.10 | 8.4 | 2980 | 1.26 | 0.06 | 10.20 | 0.24 | 61.4 | 37.7 | 300 | 4.91 | 101.0 |
| Q050903 | | 8.17 | <0.01 | 0.05 | 7.81 | 6.5 | 3250 | 1.74 | 0.09 | 7.24 | 0.16 | 98.0 | 38.9 | 247 | 7.81 | 64.6 |
| Q050904 | | 9.35 | <0.01 | 0.01 | 8.36 | 4.2 | 3310 | 2.09 | 0.06 | 2.83 | 0.10 | 114.0 | 35.6 | 161 | 8.37 | 33.2 |
| Q050905 | | 8.62 | 0.01 | <0.01 | 7.04 | 6.4 | 2440 | 1.77 | 0.04 | 6.24 | 0.20 | 99.2 | 43.6 | 235 | 6.88 | 7.7 |
| Q050906 | | 7.62 | <0.01 | 0.02 | 6.34 | 6.3 | 2180 | 1.48 | 0.01 | 9.03 | 0.10 | 79.0 | 43.8 | 229 | 7.32 | 45.9 |
| Q050907 | | 8.31 | <0.01 | 0.04 | 6.34 | 15.3 | 660 | 1.48 | 0.37 | 7.92 | 0.14 | 82.2 | 46.1 | 223 | 6.95 | 51.5 |
| Q050908 | | 8.51 | 0.01 | 0.02 | 6.70 | 18.3 | 850 | 1.65 | 0.45 | 7.56 | 0.10 | 85.7 | 66.4 | 254 | 7.81 | 28.1 |
| Q050909 | | 8.27 | 0.01 | <0.01 | 8.06 | 22.8 | 490 | 1.48 | 0.30 | 2.81 | 0.04 | 123.0 | 19.5 | 150 | 9.02 | 20.4 |
| Q050910 | | 3.20 | 0.01 | 0.03 | 8.60 | 25.4 | 130 | 1.84 | 0.34 | 1.45 | 0.02 | 138.0 | 23.4 | 177 | 6.71 | 23.9 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20193850

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| Q050871 | | 0.30 | 0.53 | 0.07 | 0.1 | 0.012 | 0.09 | 4.1 | 0.5 | 0.35 | 219 | 0.05 | <0.01 | 1.0 | 2.3 | 80 |
| Q050872 | | 0.36 | 0.75 | 0.11 | 0.2 | 0.012 | 0.14 | 5.1 | 0.8 | 0.42 | 225 | 0.06 | <0.01 | 1.5 | 2.6 | 110 |
| Q050873 | | 8.79 | 16.10 | 0.13 | 6.7 | 0.127 | 1.42 | 16.9 | 24.5 | 2.55 | 843 | 6.67 | 0.89 | 3.3 | 540 | 400 |
| Q050874 | | 0.83 | 1.13 | 0.10 | 0.1 | 0.006 | 0.08 | 3.1 | 3.0 | 13.00 | 771 | 0.37 | 0.02 | 0.3 | 3.2 | 10 |
| Q050875 | | 0.16 | 0.27 | 0.14 | 0.1 | <0.005 | 0.02 | 1.1 | 1.1 | 1.35 | 95 | 0.06 | 0.03 | 0.1 | 0.8 | 70 |
| Q050876 | | 4.87 | 1.40 | 0.06 | 0.1 | 1.375 | 0.17 | 3.7 | 2.9 | 10.25 | 8310 | 2.13 | 0.01 | 0.3 | 5.3 | 10 |
| Q050877 | | 0.96 | 1.63 | 0.08 | 0.1 | 0.014 | 0.17 | 3.2 | 3.4 | 13.35 | 831 | 0.72 | 0.02 | 0.5 | 3.4 | <10 |
| Q050878 | | 0.46 | 0.66 | 0.20 | 0.1 | 0.013 | 0.10 | 2.7 | 3.7 | 13.15 | 670 | 0.87 | 0.01 | 0.2 | 2.4 | 10 |
| Q050879 | | 0.70 | 1.31 | 0.17 | 0.1 | 0.035 | 0.13 | 3.2 | 4.0 | 13.50 | 956 | 0.92 | 0.02 | 0.5 | 3.4 | 10 |
| Q050880 | | 0.65 | 0.69 | 0.22 | 0.1 | 0.007 | 0.12 | 1.8 | 4.1 | 13.60 | 657 | 0.20 | 0.02 | 0.2 | 3.7 | 10 |
| Q050881 | | 0.65 | 1.18 | 0.22 | 0.1 | 0.006 | 0.14 | 2.6 | 3.3 | 13.60 | 658 | 0.47 | 0.02 | 0.4 | 2.6 | 10 |
| Q050882 | | 0.67 | 1.12 | 0.23 | 0.1 | 0.006 | 0.15 | 2.4 | 3.2 | 12.95 | 653 | 0.46 | 0.02 | 0.4 | 2.6 | 10 |
| Q050883 | | 0.81 | 1.88 | 0.21 | 0.2 | 0.008 | 0.34 | 3.7 | 3.8 | 12.50 | 847 | 2.15 | 0.02 | 1.0 | 4.6 | 20 |
| Q050884 | | 1.00 | 0.42 | 0.17 | <0.1 | 0.006 | 0.05 | 2.0 | 3.3 | 9.80 | 427 | 1.15 | 0.01 | 0.1 | 8.4 | <10 |
| Q050885 | | 0.37 | 0.33 | 0.29 | <0.1 | 0.005 | 0.03 | 1.8 | 3.0 | 13.15 | 411 | 0.80 | 0.01 | 0.1 | 5.1 | 20 |
| Q050886 | | 0.64 | 0.31 | 0.30 | <0.1 | 0.036 | 0.03 | 2.2 | 3.6 | 12.35 | 565 | 0.80 | 0.01 | 0.1 | 5.1 | 10 |
| Q050887 | | 0.84 | 0.41 | 0.22 | <0.1 | 0.076 | 0.03 | 2.4 | 2.8 | 13.00 | 858 | 1.25 | 0.01 | 0.2 | 5.3 | 10 |
| Q050888 | | 0.73 | 0.34 | 0.29 | <0.1 | 0.023 | 0.02 | 2.5 | 4.6 | 13.60 | 646 | 0.88 | 0.01 | 0.1 | 3.9 | 10 |
| Q050889 | | 1.55 | 0.31 | 0.16 | <0.1 | 0.072 | 0.03 | 2.6 | 3.2 | 12.80 | 1380 | 1.08 | 0.01 | 0.1 | 4.3 | 20 |
| Q050890 | | 1.03 | 0.37 | 0.16 | <0.1 | 0.036 | 0.03 | 2.7 | 2.7 | 12.50 | 962 | 1.30 | 0.01 | 0.1 | 3.0 | 10 |
| Q050891 | | 0.89 | 1.20 | 0.18 | 0.1 | 0.063 | 0.13 | 2.2 | 3.7 | 12.50 | 692 | 3.40 | 0.01 | 0.6 | 8.6 | 20 |
| Q050892 | | 0.88 | 1.15 | 0.17 | 0.1 | 0.050 | 0.13 | 2.2 | 3.7 | 12.35 | 683 | 3.01 | 0.01 | 0.5 | 7.6 | 20 |
| Q050893 | | 6.90 | 27.5 | 0.16 | 5.1 | 0.086 | 1.22 | 14.9 | 13.3 | 1.58 | 722 | 8.99 | 1.95 | 11.3 | 21.5 | 440 |
| Q050894 | | 1.30 | 1.41 | 0.12 | 0.2 | 0.012 | 0.16 | 3.2 | 5.3 | 12.20 | 470 | 0.64 | 0.01 | 1.8 | 5.9 | 50 |
| Q050895 | | 1.62 | 1.24 | 0.09 | 0.2 | 0.026 | 0.14 | 3.4 | 4.3 | 11.25 | 579 | 0.75 | 0.01 | 2.4 | 4.3 | 20 |
| Q050896 | | 6.74 | 4.67 | 0.08 | 0.4 | 0.108 | 0.52 | 4.1 | 8.4 | 8.88 | 2090 | 0.56 | 0.01 | 4.8 | 13.0 | 50 |
| Q050897 | | 9.28 | 4.14 | 0.10 | 0.5 | 0.160 | 0.53 | 5.4 | 5.5 | 6.89 | 3240 | 0.43 | 0.01 | 4.7 | 9.6 | 80 |
| Q050898 | | 1.16 | 3.51 | 0.10 | 0.6 | 0.032 | 0.73 | 10.5 | 3.0 | 2.20 | 443 | 0.48 | 0.01 | 9.2 | 7.8 | 160 |
| Q050899 | | 1.27 | 3.83 | 0.10 | 0.7 | 0.027 | 0.74 | 11.9 | 2.8 | 2.04 | 442 | 0.78 | 0.01 | 10.5 | 11.7 | 250 |
| Q050900 | | 1.47 | 4.90 | 0.12 | 0.8 | 0.022 | 0.95 | 14.8 | 4.6 | 2.06 | 439 | 0.68 | 0.01 | 13.5 | 13.8 | 200 |
| Q050901 | | 2.03 | 3.21 | 0.09 | 0.8 | 0.016 | 0.60 | 12.0 | 1.8 | 1.16 | 1370 | 0.49 | 0.01 | 10.7 | 31.8 | 610 |
| Q050902 | | 4.56 | 19.35 | 0.23 | 1.5 | 0.088 | 4.08 | 28.1 | 17.4 | 2.04 | 1260 | 0.68 | 0.18 | 28.3 | 183.0 | 1660 |
| Q050903 | | 7.81 | 20.6 | 0.24 | 0.7 | 0.101 | 4.15 | 50.1 | 25.8 | 2.78 | 1520 | 0.67 | 0.76 | 46.9 | 166.0 | 2140 |
| Q050904 | | 9.08 | 24.3 | 0.29 | 0.8 | 0.096 | 5.24 | 57.8 | 22.7 | 1.60 | 634 | 1.13 | 0.20 | 64.1 | 207 | 3010 |
| Q050905 | | 9.44 | 21.6 | 0.26 | 0.3 | 0.085 | 4.00 | 50.9 | 20.2 | 1.89 | 982 | 0.34 | 0.40 | 38.3 | 300 | 3200 |
| Q050906 | | 7.01 | 16.30 | 0.23 | 1.8 | 0.077 | 3.69 | 40.1 | 19.3 | 3.65 | 1720 | 0.58 | 0.19 | 40.7 | 263 | 2240 |
| Q050907 | | 7.57 | 17.00 | 0.22 | 1.2 | 0.063 | 3.66 | 41.6 | 18.8 | 2.95 | 1340 | 0.41 | 0.11 | 42.0 | 224 | 2510 |
| Q050908 | | 7.44 | 18.10 | 0.24 | 1.1 | 0.070 | 3.71 | 41.8 | 18.7 | 2.12 | 1010 | 2.37 | 0.09 | 41.8 | 309 | 2480 |
| Q050909 | | 7.41 | 20.6 | 0.26 | 1.4 | 0.064 | 4.38 | 63.4 | 20.5 | 1.96 | 345 | 1.13 | 0.10 | 69.5 | 74.4 | 2490 |
| Q050910 | | 6.66 | 25.1 | 0.30 | 1.6 | 0.078 | 4.98 | 63.9 | 19.8 | 1.34 | 148 | 1.29 | 0.07 | 79.4 | 73.4 | 3370 |

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

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**Finalized Date: 27-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20193850

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| Q050871 | | 10.9 | 3.1 | <0.002 | 0.01 | 0.27 | 0.6 | 1 | <0.2 | 127.5 | 0.06 | <0.05 | 0.18 | 0.031 | <0.02 | 0.2 |
| Q050872 | | 9.2 | 4.5 | <0.002 | 0.01 | 0.50 | 0.9 | 1 | <0.2 | 124.5 | 0.08 | <0.05 | 0.32 | 0.047 | <0.02 | 0.2 |
| Q050873 | | 251 | 75.3 | <0.002 | 1.51 | 199.5 | 21.3 | 2 | 3.3 | 131.5 | 0.34 | 1.78 | 5.19 | 0.244 | 0.97 | 1.7 |
| Q050874 | | 3.1 | 14.2 | <0.002 | 0.05 | 0.30 | 0.5 | 1 | 0.5 | 56.4 | <0.05 | <0.05 | 0.34 | 0.013 | 0.07 | 0.3 |
| Q050875 | | <0.5 | 0.6 | <0.002 | <0.01 | 0.08 | 0.2 | 1 | <0.2 | 82.5 | <0.05 | <0.05 | 0.05 | <0.005 | <0.02 | 0.2 |
| Q050876 | | 9.6 | 20.8 | <0.002 | 0.03 | 1.15 | 0.6 | 1 | 2.0 | 80.3 | <0.05 | <0.05 | 0.38 | 0.014 | 0.16 | 0.5 |
| Q050877 | | 2.5 | 27.2 | <0.002 | 0.06 | 0.49 | 0.9 | 1 | 0.8 | 112.0 | <0.05 | 0.06 | 0.48 | 0.019 | 0.13 | 0.2 |
| Q050878 | | 3.8 | 14.6 | <0.002 | 0.05 | 0.45 | 0.5 | 1 | 0.9 | 77.7 | <0.05 | <0.05 | 0.22 | 0.008 | 0.06 | 0.2 |
| Q050879 | | 2.4 | 25.9 | <0.002 | 0.02 | 0.34 | 0.6 | 1 | 1.1 | 73.2 | <0.05 | <0.05 | 0.31 | 0.016 | 0.14 | 0.2 |
| Q050880 | | 1.5 | 19.0 | <0.002 | 0.02 | 0.27 | 0.3 | 1 | 0.4 | 41.1 | <0.05 | 0.05 | 0.16 | 0.008 | 0.10 | 0.1 |
| Q050881 | | 1.0 | 30.1 | <0.002 | 0.02 | 0.28 | 0.6 | <1 | 0.5 | 43.2 | <0.05 | <0.05 | 0.38 | 0.015 | 0.19 | 0.4 |
| Q050882 | | 1.1 | 30.3 | <0.002 | 0.02 | 0.27 | 0.5 | 1 | 0.5 | 43.7 | <0.05 | <0.05 | 0.36 | 0.015 | 0.15 | 0.4 |
| Q050883 | | 1.7 | 61.2 | <0.002 | 0.05 | 0.83 | 1.1 | 1 | 0.7 | 60.7 | 0.07 | 0.09 | 0.73 | 0.032 | 0.39 | 0.4 |
| Q050884 | | 2.5 | 5.9 | <0.002 | 0.01 | 1.05 | 0.3 | 1 | 0.2 | 49.4 | <0.05 | <0.05 | 0.09 | <0.005 | 0.08 | 0.4 |
| Q050885 | | 2.3 | 4.7 | <0.002 | 0.02 | 0.43 | 0.2 | 1 | <0.2 | 34.0 | <0.05 | <0.05 | 0.07 | <0.005 | 0.06 | 0.2 |
| Q050886 | | 3.8 | 3.6 | <0.002 | 0.02 | 0.76 | 0.2 | 1 | 0.9 | 41.7 | <0.05 | <0.05 | 0.06 | <0.005 | <0.02 | 0.3 |
| Q050887 | | 5.4 | 3.3 | <0.002 | 0.01 | 1.13 | 0.2 | 1 | 3.6 | 40.1 | <0.05 | <0.05 | 0.14 | 0.006 | 0.03 | 0.4 |
| Q050888 | | 19.4 | 2.4 | <0.002 | 0.04 | 0.97 | 0.2 | 1 | 0.6 | 55.9 | <0.05 | <0.05 | 0.11 | <0.005 | 0.02 | 0.2 |
| Q050889 | | 59.3 | 2.9 | <0.002 | 0.39 | 1.79 | 0.3 | 1 | 1.5 | 53.6 | <0.05 | <0.05 | 0.09 | <0.005 | 0.05 | 0.2 |
| Q050890 | | 51.3 | 3.0 | <0.002 | 0.46 | 1.30 | 0.2 | 1 | 1.0 | 53.1 | <0.05 | <0.05 | 0.10 | <0.005 | 0.05 | 0.2 |
| Q050891 | | 9.2 | 8.6 | <0.002 | 0.36 | 4.08 | 0.8 | 1 | 1.3 | 40.2 | <0.05 | <0.05 | 0.43 | 0.019 | 0.08 | 0.3 |
| Q050892 | | 7.6 | 8.1 | <0.002 | 0.34 | 4.00 | 0.8 | 1 | 1.3 | 37.7 | <0.05 | <0.05 | 0.36 | 0.019 | 0.07 | 0.2 |
| Q050893 | | 20.3 | 58.8 | <0.002 | 0.04 | 0.70 | 17.6 | 1 | 3.3 | 138.0 | 1.19 | <0.05 | 26.9 | 0.728 | 0.36 | 6.0 |
| Q050894 | | 3.7 | 6.6 | <0.002 | 0.61 | 4.58 | 1.5 | 1 | 0.4 | 40.6 | 0.09 | <0.05 | 0.67 | 0.046 | 0.12 | 0.4 |
| Q050895 | | 5.8 | 4.3 | <0.002 | 1.22 | 3.21 | 1.7 | 1 | 0.3 | 51.7 | 0.11 | <0.05 | 0.42 | 0.064 | 0.08 | 0.3 |
| Q050896 | | 6.8 | 17.7 | <0.002 | 5.13 | 9.82 | 3.6 | 1 | 0.8 | 96.6 | 0.25 | 0.07 | 0.91 | 0.128 | 0.47 | 0.7 |
| Q050897 | | 5.1 | 17.3 | <0.002 | 5.63 | 11.70 | 2.8 | 1 | 0.9 | 145.5 | 0.27 | <0.05 | 1.17 | 0.105 | 0.16 | 0.7 |
| Q050898 | | 3.1 | 18.7 | <0.002 | 0.74 | 1.32 | 2.4 | <1 | 0.5 | 252 | 0.52 | <0.05 | 1.81 | 0.152 | 0.08 | 0.4 |
| Q050899 | | 4.4 | 19.2 | <0.002 | 0.99 | 2.19 | 2.6 | 1 | 0.5 | 268 | 0.61 | <0.05 | 2.24 | 0.158 | 0.06 | 0.4 |
| Q050900 | | 4.7 | 25.3 | <0.002 | 1.19 | 2.63 | 3.5 | 1 | 0.6 | 232 | 0.76 | <0.05 | 2.84 | 0.208 | 0.24 | 0.7 |
| Q050901 | | 4.5 | 13.6 | <0.002 | 1.76 | 1.96 | 3.1 | 1 | 0.4 | 249 | 0.58 | 0.05 | 1.86 | 0.172 | 0.13 | 1.4 |
| Q050902 | | 9.0 | 96.3 | <0.002 | 1.12 | 1.13 | 26.2 | 1 | 1.9 | 149.0 | 1.57 | <0.05 | 4.15 | 1.130 | 0.39 | 1.2 |
| Q050903 | | 8.0 | 110.0 | <0.002 | 0.17 | 2.31 | 22.3 | <1 | 2.0 | 171.0 | 2.67 | <0.05 | 5.85 | 1.230 | 0.36 | 0.7 |
| Q050904 | | 5.7 | 116.5 | <0.002 | 0.04 | 2.10 | 17.5 | <1 | 2.3 | 68.4 | 3.57 | <0.05 | 9.65 | 0.856 | 0.39 | 0.7 |
| Q050905 | | 5.2 | 124.5 | <0.002 | 0.03 | 2.21 | 24.0 | <1 | 1.9 | 171.5 | 2.13 | <0.05 | 7.55 | 0.843 | 0.39 | 0.5 |
| Q050906 | | 3.4 | 101.0 | <0.002 | 0.12 | 1.20 | 19.0 | <1 | 1.6 | 154.0 | 2.21 | <0.05 | 6.52 | 0.939 | 0.37 | 1.0 |
| Q050907 | | 4.0 | 104.0 | <0.002 | 4.21 | 1.11 | 20.6 | <1 | 1.8 | 118.5 | 2.16 | <0.05 | 6.91 | 0.912 | 0.47 | 0.9 |
| Q050908 | | 5.4 | 110.5 | <0.002 | 4.96 | 1.18 | 22.7 | <1 | 1.9 | 130.0 | 2.27 | <0.05 | 6.88 | 0.929 | 0.59 | 0.6 |
| Q050909 | | 3.2 | 103.0 | <0.002 | 6.67 | 0.98 | 14.5 | 1 | 2.9 | 72.4 | 3.87 | <0.05 | 10.80 | 0.825 | 0.53 | 0.9 |
| Q050910 | | 3.4 | 104.5 | 0.002 | 6.55 | 1.25 | 18.7 | <1 | 2.9 | 42.0 | 4.34 | <0.05 | 11.90 | 0.948 | 0.64 | 0.9 |

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

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


**Finalized Date: 27-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20193850

| Sample Description | Method Analyte Units LOD | 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 | WEI-22 Dry Wt. kg 0.02 |
|---|---|---|---|---|---|---|---|
| Q050871 | | 5 | 0.3 | 3.8 | 50 | 4.2 | 2.30 |
| Q050872 | | 7 | 3.5 | 4.8 | 66 | 6.4 | 2.61 |
| Q050873 | | 159 | 42.0 | 13.5 | 402 | 281 | |
| Q050874 | | 5 | 2.7 | 2.1 | 33 | 3.3 | 4.17 |
| Q050875 | | 1 | <0.1 | 2.1 | 3 | 1.4 | 5.83 |
| Q050876 | | 6 | 6.1 | 2.5 | 109 | 4.0 | 2.25 |
| Q050877 | | 8 | 1.9 | 2.8 | 16 | 5.1 | 3.42 |
| Q050878 | | 5 | 1.9 | 2.7 | 26 | 2.3 | 4.86 |
| Q050879 | | 8 | 2.5 | 2.6 | 32 | 3.8 | 4.89 |
| Q050880 | | 8 | 0.4 | 1.5 | 34 | 1.7 | 1.37 |
| Q050881 | | 6 | 0.7 | 1.6 | 27 | 3.4 | 1.20 |
| Q050882 | | 5 | 0.6 | 1.4 | 27 | 3.3 | 1.16 |
| Q050883 | | 7 | 1.5 | 2.4 | 14 | 7.1 | 3.34 |
| Q050884 | | 15 | 0.5 | 3.1 | 174 | 1.0 | 7.62 |
| Q050885 | | 14 | 0.4 | 2.4 | 48 | 0.8 | 2.98 |
| Q050886 | | 14 | 0.4 | 3.4 | 96 | 0.7 | 7.76 |
| Q050887 | | 10 | 0.5 | 2.7 | 84 | 1.1 | 8.12 |
| Q050888 | | 6 | 0.6 | 3.4 | 104 | 0.8 | 5.27 |
| Q050889 | | 9 | 0.7 | 4.3 | 253 | 0.8 | 7.92 |
| Q050890 | | 7 | 0.9 | 3.3 | 168 | 1.0 | 8.00 |
| Q050891 | | 7 | 1.2 | 2.4 | 56 | 3.8 | 8.09 |
| Q050892 | | 6 | 1.2 | 2.2 | 54 | 3.5 | |
| Q050893 | | 209 | 0.8 | 20.6 | 68 | 159.0 | |
| Q050894 | | 11 | 1.3 | 4.0 | 138 | 8.6 | 6.18 |
| Q050895 | | 10 | 1.4 | 4.4 | 56 | 8.0 | 7.73 |
| Q050896 | | 19 | 48.0 | 5.8 | 47 | 16.4 | 8.77 |
| Q050897 | | 19 | 43.5 | 7.6 | 22 | 18.5 | 8.27 |
| Q050898 | | 19 | 1.0 | 5.4 | 12 | 26.7 | 7.42 |
| Q050899 | | 20 | 0.5 | 5.9 | 13 | 27.7 | 7.89 |
| Q050900 | | 25 | 0.5 | 6.6 | 10 | 35.0 | 7.74 |
| Q050901 | | 27 | 0.3 | 10.0 | 13 | 33.4 | 8.19 |
| Q050902 | | 264 | 0.4 | 19.3 | 87 | 55.8 | 8.26 |
| Q050903 | | 244 | 0.7 | 20.4 | 148 | 27.0 | 8.11 |
| Q050904 | | 144 | 0.5 | 19.1 | 108 | 30.0 | 9.39 |
| Q050905 | | 88 | 0.2 | 18.4 | 148 | 15.7 | 8.70 |
| Q050906 | | 137 | 0.2 | 18.9 | 163 | 63.6 | 7.69 |
| Q050907 | | 130 | 0.3 | 19.3 | 94 | 49.6 | 8.37 |
| Q050908 | | 105 | 0.4 | 20.5 | 68 | 49.2 | 8.55 |
| Q050909 | | 140 | 1.2 | 21.2 | 44 | 61.3 | 8.30 |
| Q050910 | | 168 | 1.6 | 27.8 | 33 | 63.0 | 3.27 |

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

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

Project: Tiger


**Finalized Date: 27-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20193850

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | OA-HSUL10 | PUL-31 | PUL-31d |
| PUL-QC | SPL-21 | SPL-21d | WEI-21 |
| WEI-22 | WSH-21 | WSH-22 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 22-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20193844

Project: Tiger

P.O. No.: R20-D05

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |
| WSH-21 | "Wash" crushers |
| WSH-22 | "Wash" pulverizers |
| WEI-22 | Dry Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 22-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20193844

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| Q050911 | | 5.00 | 0.01 | 0.04 | 0.04 | 19.5 | 30 | 0.09 | 1.24 | 21.7 | 0.03 | 2.63 | 0.4 | 3 | 0.39 | 1.3 |
| Q050912 | | 3.48 | 0.01 | 0.11 | 0.20 | 33.0 | 80 | 0.21 | 4.14 | 20.9 | 0.04 | 3.28 | 1.9 | 8 | 1.33 | 1.9 |
| Q050913 | | 5.43 | 0.01 | 0.07 | 0.18 | 25.5 | 90 | 0.20 | 3.91 | 22.4 | 0.02 | 4.01 | 2.6 | 6 | 1.14 | 1.8 |
| Q050914 | | 5.96 | 0.02 | 0.10 | 0.21 | 35.8 | 230 | 0.26 | 2.96 | 22.2 | 0.03 | 3.72 | 1.5 | 5 | 0.97 | 1.7 |
| Q050915 | | 5.83 | 0.03 | 0.12 | 0.29 | 39.8 | 260 | 0.30 | 2.37 | 21.2 | 0.02 | 4.16 | 1.2 | 4 | 0.73 | 1.7 |
| Q050916 | | 5.59 | 0.01 | 0.06 | 0.27 | 9.2 | 110 | 0.27 | 1.85 | 21.7 | 0.03 | 4.04 | 0.8 | 4 | 0.96 | 1.3 |
| Q050917 | | 0.05 | 0.41 | 1.64 | 9.54 | 5.0 | 330 | 1.37 | 0.36 | 3.46 | 0.04 | 35.2 | 20.7 | 106 | 1.79 | 33.3 |
| Q050918 | | 3.70 | <0.01 | 0.12 | 0.53 | 12.4 | 110 | 0.17 | 0.07 | 35.9 | 0.26 | 7.60 | 3.5 | 21 | 0.80 | 6.1 |
| Q050919 | | 2.85 | 0.01 | 0.11 | 0.15 | 9.3 | 70 | 0.08 | 0.04 | 34.5 | 0.23 | 4.38 | 0.9 | 5 | 0.16 | 1.7 |
| Q050920 | | 4.86 | 0.01 | 0.05 | 0.25 | 21.0 | 110 | 0.13 | 0.03 | 36.4 | 0.26 | 5.82 | 1.3 | 9 | 0.22 | 2.0 |
| Q050921 | | 2.62 | 0.01 | 0.09 | 0.78 | 40.8 | 220 | 0.28 | 0.04 | 36.0 | 0.34 | 15.25 | 5.6 | 24 | 0.66 | 6.9 |
| Q050922 | | 4.09 | 0.01 | 0.08 | 1.07 | 76.9 | 250 | 0.34 | 0.04 | 35.1 | 0.56 | 19.65 | 6.4 | 40 | 0.71 | 5.2 |
| Q050923 | | 3.54 | 0.01 | 0.07 | 0.66 | 34.7 | 200 | 0.25 | 0.09 | 36.8 | 0.39 | 12.75 | 2.6 | 19 | 0.90 | 2.3 |
| Q050924 | | 3.02 | 0.01 | 0.14 | 0.54 | 49.7 | 210 | 0.23 | 0.08 | 36.3 | 1.08 | 9.88 | 2.0 | 15 | 0.41 | 3.2 |
| Q050925 | | 2.78 | 0.02 | 0.21 | 0.54 | 82.7 | 220 | 0.27 | 0.03 | 28.5 | 0.68 | 10.95 | 1.9 | 11 | 0.25 | 3.2 |
| Q050926 | | 2.20 | 0.01 | 0.15 | 0.77 | 68.6 | 320 | 0.32 | 0.12 | 30.8 | 0.49 | 13.40 | 2.7 | 20 | 0.52 | 3.0 |
| Q050927 | | 4.49 | 0.01 | 0.10 | 0.96 | 63.9 | 470 | 0.41 | 0.09 | 35.6 | 0.54 | 15.60 | 4.1 | 27 | 0.69 | 5.2 |
| Q050928 | | 5.80 | <0.01 | <0.01 | 0.17 | 0.8 | 30 | 0.14 | 0.02 | 33.5 | <0.02 | 1.17 | 0.6 | 2 | <0.05 | 1.6 |
| Q050929 | | 2.03 | 0.01 | 0.28 | 2.06 | 176.5 | 740 | 0.70 | 0.73 | 30.2 | 1.66 | 25.8 | 8.2 | 50 | 3.08 | 16.3 |
| Q050930 | | 2.56 | 0.01 | 0.21 | 1.12 | 98.1 | 480 | 0.39 | 0.36 | 33.7 | 1.52 | 18.90 | 3.9 | 30 | 0.81 | 6.7 |
| Q050931 | | 2.10 | 0.02 | 0.18 | 1.32 | 179.0 | 400 | 0.48 | 0.70 | 33.0 | 1.20 | 21.6 | 5.3 | 35 | 1.42 | 9.6 |
| Q050932 | | 0.26 | 1.83 | 0.22 | 0.23 | >10000 | 20 | 0.10 | 264 | 14.45 | 0.23 | 15.20 | 2.1 | 9 | 1.08 | 24.3 |
| Q050933 | | 2.76 | 0.03 | 0.13 | 0.17 | 15.7 | 90 | 0.13 | 0.81 | 36.0 | 0.37 | 7.69 | 0.8 | 11 | 0.25 | 2.5 |
| Q050934 | | 4.40 | 0.04 | 0.42 | 0.33 | 42.8 | 120 | 0.32 | 1.80 | 22.6 | 2.02 | 6.42 | 1.2 | 18 | 0.53 | 2.1 |
| Q050935 | | 5.65 | 0.02 | 0.22 | 0.63 | 14.7 | 250 | 0.34 | 0.50 | 22.9 | 2.69 | 6.92 | 1.8 | 23 | 0.77 | 3.0 |
| Q050936 | | <0.02 | 0.02 | 0.23 | 0.64 | 14.4 | 250 | 0.36 | 0.52 | 22.9 | 2.56 | 7.13 | 1.8 | 26 | 0.80 | 3.1 |
| Q050937 | | 5.30 | 0.01 | 0.02 | 0.09 | 1.3 | 30 | 0.05 | 0.03 | 33.2 | 0.04 | 1.95 | 0.5 | 4 | 0.05 | 1.0 |
| Q050938 | | 5.20 | <0.01 | 0.06 | 0.56 | 6.8 | 160 | 0.14 | 0.02 | 33.4 | 0.10 | 5.38 | 1.3 | 17 | 0.20 | 3.4 |
| Q050939 | | 5.17 | <0.01 | 0.36 | 1.74 | 26.0 | 400 | 0.33 | 0.07 | 31.9 | 0.16 | 13.60 | 4.3 | 57 | 0.60 | 11.8 |
| Q050940 | | 2.58 | <0.01 | 0.17 | 1.40 | 25.3 | 340 | 0.34 | 0.03 | 32.7 | 0.10 | 11.70 | 3.4 | 37 | 0.45 | 5.5 |
| Q050941 | | 2.44 | <0.01 | 0.16 | 1.44 | 22.6 | 350 | 0.37 | 0.02 | 33.6 | 0.11 | 13.45 | 3.6 | 37 | 0.48 | 5.5 |
| Q050942 | | 5.34 | <0.01 | 0.24 | 2.12 | 46.4 | 540 | 0.62 | 0.04 | 30.9 | 0.10 | 30.2 | 4.6 | 32 | 0.68 | 7.2 |
| Q050943 | | 3.27 | <0.01 | 0.25 | 2.85 | 30.9 | 770 | 0.80 | 0.04 | 27.7 | 0.09 | 35.3 | 5.6 | 30 | 0.77 | 7.6 |
| Q050944 | | 4.38 | <0.01 | 0.18 | 2.13 | 23.9 | 610 | 0.72 | 0.03 | 29.9 | 0.05 | 33.8 | 4.3 | 22 | 0.50 | 6.8 |
| Q050945 | | 5.53 | <0.01 | 0.25 | 3.10 | 27.2 | 850 | 0.88 | 0.04 | 27.2 | 0.11 | 38.4 | 6.7 | 55 | 0.77 | 9.0 |
| Q050946 | | 5.51 | <0.01 | 0.15 | 1.73 | 18.4 | 560 | 0.57 | 0.03 | 31.2 | 0.11 | 23.5 | 4.2 | 23 | 0.42 | 7.1 |
| Q050947 | | 5.49 | <0.01 | 0.14 | 1.89 | 36.2 | 630 | 0.63 | 0.02 | 30.3 | 0.07 | 60.0 | 10.4 | 146 | 0.39 | 6.9 |
| Q050948 | | 5.40 | <0.01 | <0.01 | 0.39 | 17.4 | 210 | 0.24 | 0.01 | 38.0 | 0.10 | 27.2 | 1.4 | 33 | 0.13 | 1.2 |
| Q050949 | | 1.79 | <0.01 | 0.24 | 0.78 | 243 | 350 | 0.30 | 0.02 | 36.3 | 2.07 | 29.6 | 5.1 | 33 | 0.66 | 2.8 |
| Q050950 | | 5.52 | <0.01 | 0.03 | 1.01 | 36.8 | 490 | 0.37 | 0.02 | 36.2 | 0.32 | 30.1 | 3.1 | 30 | 0.56 | 2.3 |

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

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


**Finalized Date: 22-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20193844

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| Q050911 | | 0.72 | 0.27 | 0.16 | <0.1 | 0.010 | 0.03 | 1.6 | 3.2 | 13.05 | 426 | 0.36 | 0.01 | 0.1 | 1.3 | 10 |
| Q050912 | | 1.55 | 0.99 | 0.11 | 0.1 | 0.009 | 0.12 | 1.9 | 4.3 | 12.45 | 515 | 0.85 | 0.02 | 0.5 | 6.4 | 10 |
| Q050913 | | 1.03 | 0.97 | 0.16 | 0.1 | 0.010 | 0.10 | 2.3 | 3.9 | 13.40 | 546 | 0.91 | 0.02 | 0.3 | 5.5 | 10 |
| Q050914 | | 1.34 | 1.12 | 0.15 | 0.1 | 0.011 | 0.11 | 2.1 | 4.1 | 13.30 | 568 | 0.92 | 0.02 | 0.4 | 4.8 | 20 |
| Q050915 | | 1.61 | 1.44 | 0.14 | 0.1 | 0.015 | 0.14 | 2.4 | 3.4 | 12.45 | 646 | 0.40 | 0.01 | 0.3 | 3.9 | 10 |
| Q050916 | | 0.64 | 1.20 | 0.22 | 0.1 | 0.022 | 0.15 | 2.3 | 2.7 | 12.65 | 609 | 1.43 | 0.01 | 0.4 | 2.8 | 10 |
| Q050917 | | 7.31 | 29.2 | 0.18 | 4.6 | 0.092 | 1.31 | 16.4 | 15.4 | 1.62 | 721 | 8.21 | 2.00 | 12.1 | 23.4 | 470 |
| Q050918 | | 0.69 | 1.48 | 0.18 | 0.2 | 0.010 | 0.16 | 5.3 | 3.0 | 0.68 | 248 | 0.19 | 0.02 | 3.5 | 15.0 | 160 |
| Q050919 | | 0.25 | 0.50 | 0.22 | 0.1 | 0.007 | 0.07 | 4.2 | 1.2 | 3.09 | 218 | 0.06 | 0.01 | 0.6 | 2.6 | 50 |
| Q050920 | | 0.44 | 0.72 | 0.20 | 0.1 | 0.006 | 0.11 | 4.7 | 1.4 | 0.89 | 221 | 0.07 | 0.01 | 1.5 | 4.1 | 90 |
| Q050921 | | 0.79 | 2.08 | 0.16 | 0.5 | 0.015 | 0.40 | 9.1 | 3.5 | 0.32 | 308 | 0.22 | 0.01 | 5.3 | 14.0 | 270 |
| Q050922 | | 1.14 | 2.75 | 0.15 | 0.6 | 0.017 | 0.56 | 11.9 | 4.1 | 0.24 | 374 | 0.21 | 0.01 | 6.8 | 19.2 | 390 |
| Q050923 | | 0.91 | 1.73 | 0.16 | 0.3 | 0.015 | 0.29 | 7.6 | 3.0 | 0.28 | 312 | 0.09 | 0.01 | 4.2 | 9.1 | 190 |
| Q050924 | | 0.72 | 1.55 | 0.14 | 0.3 | 0.013 | 0.28 | 7.3 | 2.4 | 0.51 | 473 | 0.11 | 0.01 | 3.5 | 7.1 | 190 |
| Q050925 | | 0.76 | 1.54 | 0.18 | 0.3 | 0.019 | 0.27 | 7.1 | 2.7 | 7.04 | 362 | 0.10 | 0.01 | 3.6 | 5.7 | 220 |
| Q050926 | | 0.90 | 2.02 | 0.20 | 0.4 | 0.017 | 0.37 | 8.1 | 3.4 | 4.09 | 397 | 0.12 | 0.01 | 4.7 | 9.5 | 250 |
| Q050927 | | 1.15 | 2.58 | 0.15 | 0.5 | 0.018 | 0.49 | 9.2 | 4.2 | 0.29 | 379 | 0.16 | 0.01 | 6.2 | 12.8 | 290 |
| Q050928 | | 0.11 | 0.59 | 0.17 | 0.1 | 0.010 | 0.05 | 1.2 | 1.8 | 1.48 | 91 | 0.06 | 0.08 | 0.7 | 0.7 | 60 |
| Q050929 | | 2.71 | 5.10 | 0.13 | 0.8 | 0.042 | 0.89 | 15.0 | 12.5 | 0.50 | 706 | 0.45 | 0.02 | 7.9 | 36.3 | 350 |
| Q050930 | | 1.41 | 2.95 | 0.14 | 0.4 | 0.020 | 0.54 | 11.4 | 4.4 | 0.26 | 582 | 0.25 | 0.01 | 6.5 | 14.9 | 320 |
| Q050931 | | 1.79 | 3.41 | 0.13 | 0.6 | 0.030 | 0.61 | 12.5 | 6.4 | 0.31 | 517 | 0.30 | 0.01 | 7.1 | 21.5 | 350 |
| Q050932 | | 16.90 | 1.42 | 0.07 | 0.2 | 0.076 | 0.10 | 6.6 | 2.5 | 7.28 | 3270 | 4.32 | 0.01 | 1.4 | 10.0 | 200 |
| Q050933 | | 0.59 | 0.44 | 0.06 | 0.1 | 0.028 | 0.08 | 4.5 | 1.3 | 1.75 | 422 | 0.19 | <0.01 | 1.1 | 1.8 | 30 |
| Q050934 | | 1.74 | 1.01 | <0.05 | 0.2 | 0.131 | 0.17 | 3.6 | 2.4 | 10.20 | 2370 | 0.39 | 0.01 | 2.4 | 4.6 | 50 |
| Q050935 | | 1.13 | 1.50 | 0.08 | 0.3 | 0.027 | 0.33 | 3.8 | 4.2 | 9.01 | 488 | 0.34 | 0.01 | 3.9 | 6.5 | 50 |
| Q050936 | | 1.15 | 1.58 | 0.13 | 0.3 | 0.026 | 0.33 | 4.1 | 4.4 | 9.16 | 513 | 0.37 | 0.01 | 4.1 | 6.4 | 50 |
| Q050937 | | 0.21 | 0.27 | 0.15 | <0.1 | 0.010 | 0.04 | 1.4 | 1.0 | 1.43 | 89 | 0.19 | <0.01 | 0.5 | 0.8 | 10 |
| Q050938 | | 0.65 | 1.21 | 0.08 | 0.2 | 0.014 | 0.31 | 3.0 | 1.5 | 1.59 | 123 | 0.43 | 0.01 | 2.5 | 5.9 | 20 |
| Q050939 | | 1.78 | 3.95 | 0.07 | 0.4 | 0.019 | 0.96 | 6.1 | 6.2 | 2.14 | 198 | 0.34 | 0.01 | 7.2 | 19.6 | 50 |
| Q050940 | | 1.57 | 3.12 | 0.05 | 0.5 | 0.020 | 0.77 | 6.2 | 4.0 | 1.36 | 199 | 0.34 | 0.01 | 6.9 | 12.5 | 60 |
| Q050941 | | 1.61 | 3.33 | <0.05 | 0.5 | 0.019 | 0.78 | 6.7 | 4.1 | 1.35 | 203 | 0.40 | 0.01 | 7.5 | 13.2 | 60 |
| Q050942 | | 2.11 | 5.35 | 0.08 | 0.9 | 0.023 | 1.11 | 15.5 | 5.1 | 0.59 | 313 | 0.47 | 0.01 | 18.4 | 12.2 | 340 |
| Q050943 | | 2.59 | 7.58 | 0.09 | 1.2 | 0.025 | 1.57 | 17.9 | 6.5 | 1.62 | 416 | 0.47 | 0.01 | 25.4 | 14.6 | 420 |
| Q050944 | | 1.93 | 5.58 | 0.06 | 0.8 | 0.022 | 1.17 | 15.6 | 4.4 | 1.01 | 430 | 0.37 | 0.01 | 19.0 | 11.3 | 380 |
| Q050945 | | 2.63 | 7.82 | 0.06 | 1.0 | 0.033 | 1.70 | 18.1 | 7.5 | 1.67 | 442 | 0.56 | 0.01 | 25.9 | 17.6 | 1040 |
| Q050946 | | 1.81 | 4.45 | 0.05 | 0.9 | 0.028 | 0.92 | 10.9 | 4.0 | 2.31 | 436 | 0.75 | 0.01 | 14.4 | 12.0 | 320 |
| Q050947 | | 3.06 | 5.14 | 0.08 | 0.5 | 0.027 | 1.04 | 23.9 | 3.5 | 0.66 | 382 | 0.44 | 0.01 | 22.4 | 13.1 | 2000 |
| Q050948 | | 1.21 | 1.29 | 0.05 | 0.1 | 0.020 | 0.20 | 10.3 | 0.6 | 0.36 | 302 | 0.05 | <0.01 | 5.8 | 2.1 | 390 |
| Q050949 | | 1.97 | 2.09 | 0.06 | 0.3 | 0.264 | 0.41 | 12.5 | 1.7 | 0.36 | 1300 | 0.19 | 0.01 | 10.0 | 6.5 | 480 |
| Q050950 | | 1.36 | 2.52 | <0.05 | 0.3 | 0.105 | 0.55 | 12.7 | 2.6 | 0.49 | 604 | 0.09 | 0.01 | 10.5 | 4.9 | 410 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 22-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20193844

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| Q050911 | | 2.0 | 4.8 | <0.002 | 0.65 | 0.54 | 0.3 | 1 | 0.2 | 44.1 | <0.05 | <0.05 | 0.08 | <0.005 | 0.05 | 0.4 |
| Q050912 | | 2.6 | 19.2 | <0.002 | 1.58 | 0.48 | 0.6 | 1 | 0.4 | 78.4 | <0.05 | 0.07 | 0.15 | 0.017 | 0.15 | 0.4 |
| Q050913 | | 2.1 | 18.3 | <0.002 | 0.96 | 0.38 | 0.7 | 1 | 0.4 | 72.7 | <0.05 | 0.09 | 0.25 | 0.011 | 0.11 | 0.4 |
| Q050914 | | 2.8 | 9.8 | <0.002 | 1.31 | 0.35 | 0.6 | 1 | 0.5 | 73.3 | <0.05 | 0.08 | 0.21 | 0.011 | 0.12 | 0.7 |
| Q050915 | | 1.8 | 10.5 | <0.002 | 1.53 | 0.35 | 0.5 | 1 | 1.1 | 75.1 | <0.05 | <0.05 | 0.17 | 0.011 | 0.11 | 0.3 |
| Q050916 | | 1.4 | 20.0 | <0.002 | 0.35 | 0.37 | 0.6 | 1 | 1.3 | 53.7 | <0.05 | <0.05 | 0.32 | 0.014 | 0.14 | 0.5 |
| Q050917 | | 19.0 | 59.8 | <0.002 | 0.04 | 0.61 | 19.4 | 1 | 3.2 | 150.0 | 1.17 | <0.05 | 27.2 | 0.726 | 0.42 | 5.9 |
| Q050918 | | 1.8 | 7.7 | <0.002 | 0.01 | 0.28 | 1.8 | 1 | 0.3 | 138.5 | 0.18 | <0.05 | 0.53 | 0.076 | 0.09 | 0.2 |
| Q050919 | | 2.8 | 2.5 | <0.002 | 0.02 | 0.25 | 0.6 | 1 | <0.2 | 119.5 | <0.05 | <0.05 | 0.19 | 0.018 | 0.02 | 0.1 |
| Q050920 | | 1.8 | 4.0 | <0.002 | 0.01 | 0.38 | 1.0 | 1 | <0.2 | 109.5 | 0.07 | <0.05 | 0.32 | 0.042 | 0.06 | 0.2 |
| Q050921 | | 3.2 | 13.8 | <0.002 | 0.02 | 0.43 | 2.5 | 1 | 0.2 | 156.0 | 0.27 | <0.05 | 0.89 | 0.149 | 0.14 | 1.0 |
| Q050922 | | 3.8 | 19.0 | <0.002 | <0.01 | 0.59 | 3.6 | 1 | 0.3 | 72.1 | 0.36 | <0.05 | 1.10 | 0.199 | 0.19 | 0.7 |
| Q050923 | | 4.4 | 14.4 | <0.002 | <0.01 | 0.27 | 2.2 | 1 | 0.3 | 173.0 | 0.23 | <0.05 | 0.73 | 0.114 | 0.08 | 0.3 |
| Q050924 | | 3.2 | 9.6 | <0.002 | <0.01 | 0.53 | 1.8 | 1 | 0.2 | 165.5 | 0.19 | <0.05 | 0.63 | 0.090 | 0.12 | 0.3 |
| Q050925 | | 2.2 | 9.0 | <0.002 | <0.01 | 1.51 | 1.8 | 1 | 0.2 | 88.5 | 0.18 | <0.05 | 0.68 | 0.094 | 0.06 | 0.3 |
| Q050926 | | 7.9 | 12.5 | <0.002 | <0.01 | 0.94 | 2.2 | 1 | 0.3 | 112.0 | 0.23 | <0.05 | 0.85 | 0.116 | 0.11 | 0.3 |
| Q050927 | | 6.7 | 16.4 | <0.002 | 0.02 | 0.86 | 3.0 | 1 | 0.4 | 149.5 | 0.33 | <0.05 | 1.03 | 0.167 | 0.13 | 0.4 |
| Q050928 | | 0.5 | 1.7 | <0.002 | <0.01 | 0.12 | 0.3 | 1 | <0.2 | 83.5 | 0.07 | <0.05 | 0.16 | 0.008 | 0.02 | 0.4 |
| Q050929 | | 66.5 | 40.2 | <0.002 | <0.01 | 2.96 | 5.6 | 1 | 1.2 | 64.5 | 0.41 | <0.05 | 1.92 | 0.235 | 0.52 | 0.6 |
| Q050930 | | 26.5 | 17.8 | <0.002 | <0.01 | 1.28 | 3.6 | <1 | 0.5 | 110.0 | 0.34 | <0.05 | 1.15 | 0.184 | 0.25 | 0.4 |
| Q050931 | | 48.0 | 23.4 | <0.002 | <0.01 | 1.57 | 4.0 | 1 | 0.7 | 98.7 | 0.39 | <0.05 | 1.36 | 0.200 | 0.30 | 0.5 |
| Q050932 | | 7.8 | 13.4 | 0.002 | >10.0 | 10.80 | 0.6 | 2 | 2.2 | 86.4 | 0.06 | 0.25 | 0.48 | 0.021 | 0.20 | 0.4 |
| Q050933 | | 20.0 | 4.8 | <0.002 | 0.39 | 1.32 | 1.6 | 1 | 1.2 | 229 | 0.05 | <0.05 | 0.41 | 0.028 | 0.10 | 0.2 |
| Q050934 | | 119.5 | 13.3 | <0.002 | 0.51 | 5.45 | 1.8 | 1 | 4.6 | 76.9 | 0.12 | <0.05 | 0.49 | 0.061 | 0.19 | 0.4 |
| Q050935 | | 29.0 | 17.6 | <0.002 | 0.80 | 2.82 | 2.2 | 1 | 3.2 | 106.0 | 0.18 | <0.05 | 0.68 | 0.094 | 0.22 | 0.5 |
| Q050936 | | 28.2 | 17.9 | <0.002 | 0.81 | 2.88 | 2.2 | 1 | 3.5 | 106.5 | 0.20 | <0.05 | 0.67 | 0.098 | 0.22 | 0.5 |
| Q050937 | | 2.2 | 1.1 | <0.002 | 0.08 | 0.31 | 0.3 | 1 | <0.2 | 190.5 | <0.05 | <0.05 | 0.13 | 0.011 | 0.02 | 0.5 |
| Q050938 | | 7.1 | 6.7 | <0.002 | 0.52 | 1.63 | 1.7 | <1 | <0.2 | 304 | 0.13 | <0.05 | 0.48 | 0.065 | 0.09 | 0.4 |
| Q050939 | | 13.5 | 23.9 | <0.002 | 1.71 | 5.57 | 4.9 | 1 | 0.4 | 346 | 0.38 | 0.05 | 0.96 | 0.217 | 0.22 | 0.3 |
| Q050940 | | 13.2 | 17.4 | <0.002 | 1.46 | 3.56 | 3.3 | 1 | 0.3 | 317 | 0.39 | <0.05 | 1.39 | 0.177 | 0.14 | 0.4 |
| Q050941 | | 15.0 | 18.6 | <0.002 | 1.51 | 3.85 | 3.6 | 1 | 0.3 | 325 | 0.40 | <0.05 | 1.14 | 0.180 | 0.13 | 0.4 |
| Q050942 | | 11.1 | 26.5 | <0.002 | 1.30 | 5.27 | 3.7 | 1 | 0.7 | 271 | 0.94 | <0.05 | 2.49 | 0.271 | 0.31 | 0.6 |
| Q050943 | | 12.0 | 36.5 | <0.002 | 2.12 | 6.72 | 4.2 | <1 | 0.8 | 246 | 1.32 | <0.05 | 3.75 | 0.335 | 0.26 | 0.7 |
| Q050944 | | 8.5 | 25.5 | 0.002 | 1.72 | 4.59 | 3.8 | 1 | 0.6 | 261 | 0.93 | <0.05 | 2.64 | 0.246 | 0.19 | 0.6 |
| Q050945 | | 11.0 | 39.0 | <0.002 | 2.31 | 6.24 | 4.5 | 1 | 0.8 | 244 | 1.34 | <0.05 | 3.12 | 0.391 | 0.26 | 0.7 |
| Q050946 | | 6.9 | 21.8 | 0.002 | 1.31 | 3.33 | 2.7 | 1 | 0.5 | 263 | 0.70 | <0.05 | 2.08 | 0.193 | 0.16 | 0.7 |
| Q050947 | | 6.1 | 23.1 | <0.002 | 2.71 | 3.27 | 4.8 | 1 | 0.6 | 193.0 | 1.05 | <0.05 | 2.33 | 0.388 | 0.16 | 0.4 |
| Q050948 | | 4.5 | 5.0 | <0.002 | 0.09 | 0.19 | 3.0 | 1 | 0.2 | 183.5 | 0.26 | <0.05 | 1.08 | 0.114 | 0.07 | 0.1 |
| Q050949 | | 184.0 | 19.5 | <0.002 | 0.26 | 0.99 | 3.7 | 2 | 4.1 | 161.0 | 0.47 | <0.05 | 1.15 | 0.179 | 0.14 | 0.3 |
| Q050950 | | 19.1 | 17.2 | <0.002 | 0.59 | 0.44 | 3.5 | 1 | 1.2 | 188.5 | 0.52 | <0.05 | 1.30 | 0.199 | 0.15 | 0.2 |

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

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**Finalized Date: 22-OCT-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20193844

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | WEI-22 |
|---|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr | Dry Wt. |
| | Units | ppm | ppm | ppm | ppm | ppm | kg |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 | 0.02 |
| Q050911 | | 4 | 0.5 | 2.0 | 6 | 0.6 | 4.99 |
| Q050912 | | 7 | 1.2 | 2.1 | 7 | 3.5 | 3.45 |
| Q050913 | | 6 | 1.2 | 2.7 | 7 | 2.9 | 5.41 |
| Q050914 | | 8 | 1.4 | 2.6 | 7 | 3.6 | 5.95 |
| Q050915 | | 7 | 4.7 | 2.2 | 7 | 4.5 | 5.80 |
| Q050916 | | 6 | 1.0 | 1.7 | 9 | 3.6 | 5.58 |
| Q050917 | | 209 | 0.7 | 22.0 | 65 | 159.5 | |
| Q050918 | | 15 | 0.6 | 4.8 | 26 | 8.0 | 3.65 |
| Q050919 | | 6 | 0.4 | 4.5 | 25 | 3.4 | 2.82 |
| Q050920 | | 9 | 0.4 | 5.1 | 26 | 5.9 | 4.82 |
| Q050921 | | 27 | 0.6 | 8.6 | 70 | 22.1 | 2.59 |
| Q050922 | | 35 | 1.1 | 11.0 | 66 | 23.4 | 4.03 |
| Q050923 | | 19 | 0.8 | 7.6 | 54 | 13.5 | 3.51 |
| Q050924 | | 14 | 0.7 | 7.0 | 59 | 10.7 | 3.00 |
| Q050925 | | 15 | 0.4 | 7.1 | 99 | 13.4 | 2.73 |
| Q050926 | | 16 | 0.6 | 7.1 | 99 | 13.3 | 2.18 |
| Q050927 | | 25 | 0.6 | 8.7 | 56 | 19.9 | 4.43 |
| Q050928 | | 3 | 0.1 | 3.0 | 4 | 2.4 | 5.77 |
| Q050929 | | 41 | 1.7 | 12.7 | 405 | 25.9 | 1.99 |
| Q050930 | | 30 | 1.1 | 10.8 | 150 | 19.0 | 2.51 |
| Q050931 | | 33 | 1.4 | 10.7 | 256 | 37.9 | 2.06 |
| Q050932 | | 7 | 59.7 | 6.7 | 61 | 5.6 | |
| Q050933 | | 5 | 0.5 | 9.2 | 86 | 3.7 | 2.75 |
| Q050934 | | 7 | 1.5 | 6.0 | 343 | 8.3 | 4.35 |
| Q050935 | | 13 | 0.8 | 5.5 | 440 | 12.2 | 5.63 |
| Q050936 | | 13 | 0.9 | 5.6 | 432 | 12.4 | |
| Q050937 | | 3 | <0.1 | 1.7 | 5 | 1.9 | 5.29 |
| Q050938 | | 8 | 0.1 | 2.5 | 19 | 7.6 | 5.19 |
| Q050939 | | 29 | 0.3 | 5.5 | 33 | 16.7 | 5.17 |
| Q050940 | | 24 | 0.2 | 5.9 | 21 | 17.5 | 2.56 |
| Q050941 | | 26 | 0.2 | 6.6 | 21 | 20.5 | 2.42 |
| Q050942 | | 29 | 0.7 | 9.6 | 71 | 36.8 | 5.26 |
| Q050943 | | 36 | 0.4 | 9.8 | 36 | 49.1 | 3.24 |
| Q050944 | | 27 | 0.3 | 11.9 | 24 | 40.2 | 4.36 |
| Q050945 | | 39 | 0.5 | 13.6 | 30 | 45.4 | 5.51 |
| Q050946 | | 22 | 0.3 | 7.3 | 26 | 41.6 | 5.49 |
| Q050947 | | 44 | 0.5 | 24.5 | 10 | 23.9 | 5.46 |
| Q050948 | | 19 | 0.2 | 17.5 | 21 | 7.1 | 5.38 |
| Q050949 | | 27 | 1.4 | 18.1 | 391 | 11.9 | 1.76 |
| Q050950 | | 23 | 0.7 | 14.4 | 56 | 12.6 | 5.47 |

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

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Project: Tiger


**Finalized Date: 22-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20193844

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | WEI-22 |
| WSH-21 | WSH-22 | | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20197154

Project: Rau

P.O. No.: R20-D06

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

Comments: Grease was observed on sample R615201 during crushing. A 1kg split of material was salvaged for pulverizing however this split may not be representative of the entire sample.

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197154

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R615201 | | 1.72 | 0.04 | 42.6 | 6.81 | 144.5 | 4470 | 2.28 | 2.01 | 3.35 | 0.15 | 101.0 | 15.9 | 71 | 3.77 | 57.2 |
| R615202 | | 1.97 | 0.02 | 5.86 | 7.02 | 126.5 | 2260 | 2.52 | 3.33 | 2.05 | 0.12 | 120.5 | 24.4 | 48 | 4.04 | 38.6 |
| R615203 | | 5.07 | 0.01 | 0.55 | 7.32 | 64.2 | 2320 | 2.55 | 2.19 | 1.17 | 0.08 | 118.0 | 19.1 | 50 | 4.05 | 30.7 |
| R615204 | | 1.55 | 0.01 | 0.22 | 6.32 | 152.5 | 2090 | 2.43 | 2.86 | 3.72 | 0.22 | 94.7 | 26.4 | 50 | 3.70 | 33.5 |
| R615205 | | 4.04 | 0.01 | 0.46 | 7.02 | 91.2 | 2290 | 2.43 | 1.60 | 2.02 | 0.18 | 107.5 | 19.7 | 50 | 3.90 | 26.1 |
| R615206 | | 2.17 | 0.02 | 2.46 | 7.37 | 170.5 | 2370 | 2.65 | 4.98 | 0.52 | 0.16 | 112.0 | 34.8 | 58 | 4.18 | 49.3 |
| R615207 | | 1.83 | 0.01 | 34.9 | 6.83 | 91.1 | 2160 | 2.31 | 1.02 | 0.64 | 0.13 | 105.0 | 19.0 | 39 | 3.39 | 57.3 |
| R615208 | | 0.07 | 0.66 | 1.36 | 6.99 | 26.4 | 820 | 1.09 | 0.16 | 1.75 | 1.06 | 25.4 | 4.5 | 14 | 0.32 | 40.9 |
| R615209 | | 5.61 | 0.01 | 0.23 | 8.18 | 85.6 | 2690 | 2.89 | 1.15 | 0.72 | 0.08 | 122.5 | 19.2 | 55 | 4.71 | 21.2 |
| R615210 | | 1.95 | 0.01 | 3.70 | 8.10 | 86.5 | 2780 | 2.90 | 0.66 | 0.61 | 0.12 | 155.5 | 16.2 | 65 | 4.63 | 18.8 |
| R615211 | | 1.60 | 0.01 | 0.18 | 7.49 | 96.7 | 2130 | 2.40 | 0.77 | 2.06 | 0.09 | 98.6 | 15.8 | 42 | 4.40 | 17.2 |
| R615212 | | 3.41 | 0.01 | 0.72 | 7.42 | 93.9 | 2420 | 2.55 | 0.66 | 3.01 | 0.09 | 126.0 | 8.8 | 56 | 5.04 | 7.8 |
| R615213 | | 1.51 | <0.01 | 0.04 | 6.58 | 175.0 | 2290 | 2.24 | 0.25 | 4.66 | 0.06 | 115.0 | 9.0 | 52 | 3.70 | 2.8 |
| R615214 | | 0.33 | <0.01 | 0.07 | 3.96 | 202 | 1270 | 1.27 | 0.64 | 4.83 | 0.06 | 69.0 | 16.0 | 32 | 1.96 | 13.7 |
| R615215 | | 2.41 | <0.01 | 5.16 | 6.71 | 112.0 | 2300 | 2.26 | 0.34 | 3.98 | 0.05 | 105.0 | 6.6 | 53 | 3.71 | 10.2 |
| R615216 | | 3.75 | 0.01 | 0.28 | 6.59 | 174.5 | 2190 | 2.18 | 0.42 | 3.81 | 0.08 | 121.0 | 18.8 | 55 | 3.52 | 27.3 |
| R615217 | | 5.46 | 0.01 | 0.02 | 0.14 | 1.1 | 30 | 0.10 | 0.33 | 33.6 | <0.02 | 1.04 | 0.7 | 2 | <0.05 | 1.1 |
| R615218 | | 2.06 | <0.01 | 5.08 | 7.15 | 179.0 | 2400 | 2.35 | 0.18 | 5.29 | 0.10 | 129.0 | 10.9 | 54 | 3.78 | 10.8 |
| R615219 | | 0.70 | <0.01 | 0.67 | 5.19 | 80.0 | 1670 | 1.78 | 0.51 | 3.01 | 0.11 | 84.3 | 9.4 | 35 | 2.75 | 10.9 |
| R615220 | | 1.69 | 0.01 | 0.10 | 5.99 | 165.0 | 2030 | 1.93 | 0.16 | 5.11 | 0.09 | 96.6 | 8.8 | 48 | 3.20 | 2.8 |
| R615221 | | 0.47 | 0.02 | 0.02 | 5.68 | 97.9 | 1910 | 1.80 | 0.10 | 5.56 | 0.09 | 80.8 | 4.5 | 48 | 3.05 | 2.1 |
| R615222 | | 5.76 | 0.03 | 0.88 | 6.21 | 103.5 | 2120 | 1.89 | 7.06 | 5.31 | 0.09 | 86.7 | 16.8 | 95 | 3.50 | 18.6 |
| R615223 | | 1.05 | 0.04 | 0.07 | 7.00 | 36.9 | 2470 | 2.20 | 11.85 | 3.50 | 0.05 | 62.1 | 14.6 | 118 | 4.25 | 16.3 |
| R615224 | | 0.16 | 0.67 | 1.45 | 7.15 | 24.9 | 830 | 1.01 | 0.17 | 1.80 | 1.11 | 25.1 | 4.5 | 13 | 0.32 | 44.5 |
| R615225 | | 5.47 | 0.15 | 1.49 | 6.21 | 88.8 | 2090 | 2.01 | 12.00 | 4.57 | 0.07 | 77.9 | 17.8 | 100 | 3.72 | 18.1 |
| R615226 | | 0.27 | 0.10 | 0.13 | 4.42 | 154.0 | 1460 | 1.49 | 39.8 | 5.47 | 0.13 | 53.7 | 25.4 | 66 | 2.56 | 21.9 |
| R615227 | | 0.76 | 0.04 | 0.08 | 6.15 | 78.8 | 2070 | 1.89 | 3.39 | 5.87 | 0.08 | 71.5 | 12.2 | 87 | 3.67 | 9.8 |
| R615228 | | 0.78 | 0.04 | 0.09 | 5.97 | 102.0 | 2010 | 1.87 | 10.65 | 5.54 | 0.08 | 72.3 | 14.7 | 84 | 3.66 | 13.9 |
| R615229 | | 1.08 | 0.01 | 2.46 | 6.28 | 91.6 | 2360 | 2.15 | 1.77 | 1.55 | 0.15 | 95.0 | 16.2 | 60 | 3.61 | 26.5 |
| R615230 | | 1.35 | 0.01 | 0.09 | 5.57 | 281 | 1870 | 1.85 | 9.96 | 5.05 | 0.08 | 80.4 | 28.0 | 320 | 3.18 | 23.6 |
| R615231 | | 0.86 | 0.03 | 0.41 | 3.62 | 174.0 | 1060 | 1.18 | 4.89 | 7.64 | 0.13 | 57.8 | 22.5 | 91 | 1.70 | 21.6 |
| R615232 | | 1.83 | 0.03 | 0.06 | 5.51 | 110.0 | 1780 | 1.85 | 4.58 | 6.81 | 0.08 | 93.4 | 13.8 | 107 | 3.26 | 11.4 |
| R615233 | | 0.59 | 0.01 | <0.01 | 5.13 | 83.6 | 1740 | 1.80 | 1.87 | 7.83 | 0.10 | 72.9 | 9.0 | 88 | 3.23 | 7.0 |
| R615234 | | <0.02 | 0.01 | 0.02 | 4.60 | 79.8 | 1550 | 1.54 | 3.25 | 7.51 | 0.11 | 65.6 | 8.2 | 78 | 2.94 | 6.7 |
| R615235 | | 1.59 | 0.09 | 0.21 | 5.26 | 3740 | 1610 | 1.74 | 7.16 | 3.37 | 0.12 | 86.2 | 20.1 | 108 | 2.74 | 13.0 |
| R615236 | | 3.10 | 0.09 | 0.22 | 4.71 | 779 | 1460 | 2.02 | 14.10 | 1.07 | 0.08 | 65.8 | 11.9 | 62 | 2.53 | 5.6 |
| R615237 | | 1.88 | 0.09 | 0.09 | 4.47 | 1120 | 1420 | 2.06 | 11.20 | 0.94 | 0.13 | 71.1 | 24.0 | 63 | 2.56 | 11.9 |
| R615238 | | 1.35 | 0.03 | 0.04 | 3.83 | 451 | 1250 | 1.69 | 4.76 | 1.60 | 0.05 | 57.5 | 6.9 | 52 | 2.30 | 3.4 |
| R615239 | | 0.49 | 0.57 | 1.38 | 8.05 | 433 | 1650 | 2.70 | 15.75 | 0.44 | <0.02 | 48.9 | 2.2 | 167 | 3.07 | 2.5 |
| R615240 | | 3.75 | 0.36 | 0.65 | 5.31 | 4730 | 1170 | 2.05 | 98.3 | 0.76 | 0.11 | 86.0 | 14.7 | 105 | 2.41 | 3.5 |

Comments: Grease was observed on sample R615201 during crushing. A 1kg split of material was salvaged for pulverizing however this split may not be representative of the entire sample.

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

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**Finalized Date: 27-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197154

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R615201 | | 5.42 | 18.05 | 0.20 | 2.9 | 0.075 | 3.18 | 53.0 | 7.9 | 0.66 | 853 | 5.23 | 0.08 | 39.9 | 41.9 | 1370 |
| R615202 | | 6.07 | 18.95 | 0.24 | 3.0 | 0.078 | 3.39 | 64.5 | 7.8 | 0.61 | 819 | 2.33 | 0.09 | 48.1 | 36.8 | 2090 |
| R615203 | | 6.17 | 19.35 | 0.21 | 3.0 | 0.086 | 3.53 | 62.2 | 7.5 | 0.76 | 718 | 1.55 | 0.09 | 40.6 | 35.6 | 1790 |
| R615204 | | 6.36 | 17.70 | 0.17 | 2.8 | 0.078 | 3.04 | 51.4 | 7.3 | 1.04 | 1480 | 2.48 | 0.08 | 39.1 | 37.1 | 2270 |
| R615205 | | 5.77 | 19.05 | 0.22 | 2.5 | 0.079 | 3.39 | 57.1 | 8.1 | 0.65 | 721 | 1.58 | 0.08 | 39.7 | 37.5 | 1790 |
| R615206 | | 7.14 | 20.5 | 0.21 | 2.8 | 0.094 | 3.55 | 59.8 | 8.7 | 0.47 | 746 | 7.01 | 0.08 | 32.1 | 51.4 | 2080 |
| R615207 | | 6.65 | 17.90 | 0.21 | 1.8 | 0.085 | 3.20 | 55.9 | 7.7 | 0.49 | 775 | 1.77 | 0.08 | 41.9 | 40.3 | 1530 |
| R615208 | | 2.33 | 13.05 | 0.16 | 1.8 | 0.049 | 1.49 | 12.9 | 2.2 | 0.56 | 715 | 5.24 | 3.29 | 5.7 | 6.2 | 410 |
| R615209 | | 6.09 | 22.8 | 0.23 | 2.8 | 0.090 | 3.84 | 64.7 | 9.9 | 0.70 | 728 | 1.65 | 0.09 | 47.5 | 40.0 | 2540 |
| R615210 | | 5.72 | 22.5 | 0.25 | 3.3 | 0.088 | 3.78 | 84.3 | 9.6 | 0.70 | 655 | 1.53 | 0.08 | 70.9 | 35.7 | 1800 |
| R615211 | | 6.90 | 20.1 | 0.21 | 2.5 | 0.084 | 3.25 | 52.4 | 13.7 | 1.26 | 741 | 0.99 | 0.07 | 51.3 | 36.1 | 1760 |
| R615212 | | 3.39 | 20.4 | 0.24 | 2.5 | 0.073 | 3.54 | 68.1 | 9.6 | 1.05 | 909 | 0.89 | 0.08 | 49.1 | 25.9 | 1660 |
| R615213 | | 2.74 | 18.20 | 0.23 | 2.5 | 0.063 | 3.23 | 62.3 | 9.0 | 1.48 | 1120 | 0.42 | 0.07 | 43.9 | 12.2 | 1370 |
| R615214 | | 3.42 | 10.20 | 0.16 | 1.4 | 0.042 | 1.91 | 37.4 | 5.1 | 1.49 | 1150 | 0.57 | 0.04 | 23.2 | 32.4 | 1040 |
| R615215 | | 2.86 | 18.00 | 0.23 | 2.3 | 0.067 | 3.27 | 57.5 | 8.8 | 1.37 | 995 | 0.55 | 0.07 | 43.0 | 20.3 | 1440 |
| R615216 | | 4.37 | 17.85 | 0.23 | 2.2 | 0.066 | 3.26 | 64.4 | 8.3 | 0.73 | 865 | 0.84 | 0.06 | 41.7 | 32.9 | 1570 |
| R615217 | | 0.17 | 0.48 | 0.12 | 0.1 | <0.005 | 0.05 | 1.1 | 1.0 | 1.51 | 95 | 0.06 | 0.06 | 0.4 | 0.8 | 70 |
| R615218 | | 3.44 | 19.10 | 0.27 | 3.3 | 0.067 | 3.46 | 68.8 | 8.4 | 1.06 | 1270 | 0.62 | 0.07 | 55.5 | 32.3 | 1780 |
| R615219 | | 3.74 | 14.45 | 0.22 | 1.2 | 0.060 | 2.46 | 45.3 | 6.2 | 0.74 | 743 | 0.75 | 0.06 | 6.5 | 22.0 | 4110 |
| R615220 | | 3.38 | 16.10 | 0.20 | 2.4 | 0.056 | 2.90 | 50.7 | 7.1 | 1.26 | 1190 | 0.56 | 0.06 | 43.3 | 27.4 | 1480 |
| R615221 | | 3.27 | 14.90 | 0.20 | 2.3 | 0.052 | 2.80 | 43.4 | 6.9 | 1.72 | 1360 | 0.30 | 0.05 | 40.3 | 10.6 | 1460 |
| R615222 | | 4.79 | 14.95 | 0.20 | 2.5 | 0.052 | 3.03 | 46.0 | 7.8 | 0.71 | 1220 | 3.29 | 0.05 | 30.6 | 46.2 | 2420 |
| R615223 | | 3.90 | 17.55 | 0.20 | 2.9 | 0.057 | 3.57 | 30.3 | 9.7 | 0.57 | 892 | 10.40 | 0.06 | 33.3 | 57.1 | 1580 |
| R615224 | | 2.37 | 13.25 | 0.19 | 1.8 | 0.051 | 1.49 | 12.9 | 2.1 | 0.57 | 719 | 4.59 | 3.33 | 5.7 | 5.7 | 430 |
| R615225 | | 4.96 | 15.80 | 0.20 | 2.7 | 0.060 | 3.07 | 40.1 | 8.7 | 0.63 | 1190 | 6.95 | 0.05 | 28.5 | 57.7 | 1580 |
| R615226 | | 6.81 | 11.40 | 0.15 | 1.9 | 0.050 | 2.16 | 28.1 | 6.1 | 0.73 | 1480 | 10.50 | 0.04 | 17.6 | 69.0 | 860 |
| R615227 | | 4.11 | 15.75 | 0.18 | 2.5 | 0.057 | 3.02 | 37.8 | 8.6 | 0.67 | 1570 | 7.78 | 0.05 | 28.9 | 34.2 | 1020 |
| R615228 | | 4.61 | 15.50 | 0.20 | 2.6 | 0.060 | 2.97 | 37.5 | 8.5 | 0.65 | 1480 | 8.03 | 0.05 | 28.9 | 38.3 | 1020 |
| R615229 | | 5.60 | 17.40 | 0.20 | 2.1 | 0.084 | 2.98 | 49.9 | 7.8 | 0.62 | 857 | 3.80 | 0.07 | 39.5 | 36.2 | 2070 |
| R615230 | | 7.58 | 13.85 | 0.11 | 2.6 | 0.058 | 2.78 | 41.1 | 8.4 | 0.62 | 1760 | 11.80 | 0.05 | 24.5 | 62.0 | 1240 |
| R615231 | | 6.99 | 8.69 | 0.09 | 1.7 | 0.043 | 1.73 | 30.4 | 5.0 | 0.92 | 2750 | 6.97 | 0.03 | 13.5 | 58.7 | 1620 |
| R615232 | | 6.46 | 13.90 | 0.11 | 2.7 | 0.058 | 2.71 | 49.4 | 9.1 | 0.95 | 2470 | 5.85 | 0.04 | 26.0 | 44.6 | 2140 |
| R615233 | | 4.55 | 13.30 | 0.09 | 2.3 | 0.051 | 2.60 | 38.6 | 8.9 | 1.01 | 2600 | 5.23 | 0.04 | 24.3 | 31.2 | 1680 |
| R615234 | | 4.11 | 11.85 | 0.12 | 2.1 | 0.050 | 2.30 | 35.0 | 7.9 | 1.00 | 2420 | 4.74 | 0.04 | 20.4 | 28.7 | 1540 |
| R615235 | | 6.45 | 13.30 | 0.14 | 2.3 | 0.058 | 2.49 | 44.7 | 8.5 | 1.32 | 1600 | 3.38 | 0.04 | 40.7 | 51.2 | 2110 |
| R615236 | | 3.52 | 12.80 | 0.12 | 2.6 | 0.039 | 2.30 | 35.1 | 13.4 | 0.61 | 696 | 4.92 | 0.03 | 21.2 | 31.0 | 1540 |
| R615237 | | 4.36 | 13.65 | 0.14 | 2.4 | 0.038 | 2.15 | 37.4 | 13.3 | 0.65 | 1040 | 4.16 | 0.03 | 20.5 | 55.5 | 1370 |
| R615238 | | 2.16 | 11.30 | 0.13 | 2.3 | 0.032 | 1.87 | 31.0 | 12.2 | 1.00 | 624 | 2.21 | 0.03 | 19.9 | 20.5 | 1180 |
| R615239 | | 2.37 | 26.2 | 0.12 | 4.3 | 0.044 | 2.90 | 26.7 | 16.8 | 1.17 | 168 | 2.25 | 0.24 | 51.3 | 8.7 | 480 |
| R615240 | | 9.77 | 17.20 | 0.17 | 3.0 | 0.038 | 2.00 | 46.7 | 12.4 | 0.71 | 1160 | 8.11 | 0.10 | 16.1 | 42.6 | 2610 |

Comments: Grease was observed on sample R615201 during crushing. A 1kg split of material was salvaged for pulverizing however this split may not be representative of the entire sample.

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

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**Finalized Date: 27-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197154

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R615201 | | 6.6 | 127.5 | <0.002 | 0.02 | 3.84 | 14.1 | 1 | 7.3 | 48.8 | 2.07 | <0.05 | 11.30 | 0.615 | 0.64 | 3.7 |
| R615202 | | 5.5 | 134.0 | <0.002 | 0.02 | 0.73 | 14.7 | 1 | 5.5 | 43.1 | 2.44 | 0.08 | 13.20 | 0.633 | 0.66 | 3.5 |
| R615203 | | 4.2 | 137.0 | 0.002 | 0.03 | 0.74 | 15.2 | 1 | 5.6 | 43.7 | 2.13 | <0.05 | 13.50 | 0.598 | 0.63 | 3.3 |
| R615204 | | 4.5 | 127.0 | <0.002 | 0.02 | 0.61 | 14.3 | 1 | 5.0 | 62.9 | 1.94 | 0.06 | 10.45 | 0.547 | 0.60 | 3.5 |
| R615205 | | 5.9 | 133.5 | <0.002 | 0.02 | 0.84 | 15.7 | 2 | 5.7 | 42.8 | 2.00 | <0.05 | 11.75 | 0.606 | 0.63 | 3.2 |
| R615206 | | 11.8 | 143.5 | <0.002 | 0.04 | 1.85 | 16.4 | 2 | 6.1 | 34.3 | 1.50 | 0.11 | 12.10 | 0.501 | 0.70 | 3.7 |
| R615207 | | 4.4 | 123.5 | <0.002 | 0.02 | 0.78 | 16.5 | 1 | 6.1 | 31.3 | 2.10 | <0.05 | 9.44 | 0.593 | 0.63 | 2.6 |
| R615208 | | 119.0 | 28.5 | <0.002 | 0.12 | 14.70 | 6.4 | 1 | 1.2 | 203 | 0.37 | <0.05 | 2.54 | 0.198 | 0.45 | 1.1 |
| R615209 | | 4.4 | 155.5 | <0.002 | 0.03 | 0.80 | 19.2 | 2 | 7.6 | 45.7 | 2.39 | <0.05 | 12.90 | 0.758 | 0.75 | 3.5 |
| R615210 | | 3.9 | 148.5 | <0.002 | 0.03 | 0.68 | 18.1 | 2 | 8.1 | 42.7 | 3.64 | <0.05 | 16.15 | 0.785 | 0.75 | 3.5 |
| R615211 | | 3.5 | 128.0 | <0.002 | 0.03 | 0.66 | 17.4 | 1 | 7.5 | 43.9 | 2.58 | <0.05 | 10.95 | 0.771 | 0.68 | 2.8 |
| R615212 | | 3.3 | 140.5 | <0.002 | 0.01 | 0.52 | 15.7 | 1 | 8.0 | 61.3 | 2.49 | <0.05 | 13.90 | 0.675 | 0.72 | 2.4 |
| R615213 | | 1.9 | 131.0 | <0.002 | 0.01 | 0.29 | 13.5 | 1 | 7.6 | 86.5 | 2.21 | <0.05 | 13.35 | 0.564 | 0.61 | 2.0 |
| R615214 | | 2.8 | 76.2 | <0.002 | 0.03 | 0.48 | 7.3 | 1 | 4.3 | 78.8 | 1.09 | <0.05 | 6.97 | 0.320 | 0.35 | 1.2 |
| R615215 | | 2.4 | 133.5 | <0.002 | 0.03 | 0.44 | 13.8 | 1 | 8.0 | 77.7 | 2.16 | <0.05 | 12.65 | 0.584 | 0.60 | 2.0 |
| R615216 | | 3.0 | 127.0 | <0.002 | 0.02 | 0.84 | 13.4 | 1 | 6.8 | 51.3 | 2.11 | <0.05 | 12.55 | 0.562 | 0.58 | 2.3 |
| R615217 | | 0.8 | 1.3 | <0.002 | 0.01 | 0.05 | 0.2 | 1 | 0.2 | 80.4 | <0.05 | <0.05 | 0.19 | 0.006 | <0.02 | 0.2 |
| R615218 | | 2.6 | 138.5 | <0.002 | 0.02 | 0.55 | 15.0 | 1 | 7.8 | 72.2 | 2.75 | <0.05 | 13.40 | 0.716 | 0.63 | 3.0 |
| R615219 | | 3.3 | 101.0 | <0.002 | 0.02 | 0.05 | 11.8 | 1 | 0.8 | 66.4 | 0.32 | <0.05 | 8.34 | 0.376 | 0.46 | 2.2 |
| R615220 | | 2.2 | 116.0 | <0.002 | 0.03 | 0.41 | 12.5 | 1 | 6.3 | 76.0 | 2.15 | <0.05 | 11.60 | 0.583 | 0.51 | 2.2 |
| R615221 | | 1.6 | 111.0 | <0.002 | 0.01 | 0.32 | 12.5 | <1 | 5.9 | 97.8 | 1.93 | <0.05 | 8.69 | 0.563 | 0.49 | 1.9 |
| R615222 | | 3.3 | 116.0 | <0.002 | 0.06 | 0.77 | 14.9 | 1 | 6.5 | 56.4 | 1.66 | <0.05 | 8.35 | 0.543 | 0.58 | 3.1 |
| R615223 | | 3.0 | 131.5 | <0.002 | 0.03 | 0.65 | 17.6 | 1 | 7.6 | 40.5 | 1.76 | 0.06 | 7.97 | 0.643 | 0.66 | 4.1 |
| R615224 | | 121.5 | 28.0 | 0.003 | 0.12 | 14.85 | 6.6 | 1 | 1.2 | 205 | 0.39 | <0.05 | 2.53 | 0.199 | 0.41 | 1.1 |
| R615225 | | 4.9 | 121.0 | <0.002 | 0.06 | 2.37 | 15.3 | 1 | 7.2 | 53.6 | 1.48 | 0.08 | 8.54 | 0.517 | 0.62 | 4.0 |
| R615226 | | 8.0 | 87.2 | <0.002 | 0.08 | 1.89 | 11.5 | 2 | 5.4 | 38.6 | 0.92 | 0.13 | 6.58 | 0.316 | 0.43 | 5.7 |
| R615227 | | 3.1 | 121.5 | <0.002 | 0.05 | 2.01 | 15.4 | 1 | 8.2 | 56.3 | 1.55 | <0.05 | 8.03 | 0.505 | 0.58 | 3.7 |
| R615228 | | 3.4 | 119.5 | <0.002 | 0.08 | 2.12 | 15.0 | 1 | 8.1 | 51.3 | 1.56 | <0.05 | 8.18 | 0.493 | 0.57 | 3.9 |
| R615229 | | 5.3 | 120.0 | <0.002 | 0.03 | 0.89 | 15.0 | 2 | 6.2 | 42.0 | 1.97 | <0.05 | 9.33 | 0.583 | 0.57 | 2.7 |
| R615230 | | 5.0 | 110.5 | <0.002 | 0.07 | 1.60 | 12.4 | 2 | 7.2 | 48.5 | 1.31 | 0.09 | 8.26 | 0.466 | 0.59 | 5.6 |
| R615231 | | 3.9 | 70.4 | <0.002 | 0.12 | 2.48 | 8.9 | 1 | 5.8 | 58.2 | 0.74 | 0.05 | 5.58 | 0.276 | 0.40 | 2.8 |
| R615232 | | 4.2 | 104.5 | 0.003 | 0.11 | 7.75 | 11.6 | 2 | 9.3 | 50.6 | 1.43 | 0.06 | 8.89 | 0.506 | 0.71 | 3.6 |
| R615233 | | 3.4 | 103.5 | 0.005 | 0.08 | 2.54 | 11.0 | 1 | 8.9 | 55.6 | 1.29 | 0.05 | 7.93 | 0.456 | 0.55 | 2.9 |
| R615234 | | 3.5 | 92.4 | 0.004 | 0.08 | 2.29 | 10.0 | 1 | 7.7 | 51.5 | 1.14 | <0.05 | 7.25 | 0.395 | 0.50 | 2.6 |
| R615235 | | 3.2 | 95.3 | 0.004 | 0.13 | 2.23 | 11.3 | 7 | 10.0 | 53.0 | 1.38 | 0.13 | 8.75 | 0.482 | 0.58 | 3.1 |
| R615236 | | 3.2 | 90.0 | 0.002 | 0.05 | 3.98 | 9.9 | 1 | 17.9 | 51.7 | 1.10 | 0.19 | 8.59 | 0.390 | 0.51 | 5.7 |
| R615237 | | 3.3 | 86.7 | 0.002 | 0.09 | 4.65 | 10.1 | 2 | 15.5 | 38.0 | 1.12 | 0.22 | 8.33 | 0.346 | 0.50 | 7.7 |
| R615238 | | 1.7 | 73.5 | 0.002 | 0.03 | 2.51 | 8.4 | 1 | 13.7 | 29.7 | 1.08 | 0.15 | 6.84 | 0.328 | 0.39 | 3.5 |
| R615239 | | 4.7 | 107.5 | 0.003 | 0.07 | 1.78 | 19.7 | 1 | 41.4 | 57.2 | 2.92 | 0.75 | 7.47 | 0.947 | 0.60 | 3.9 |
| R615240 | | 17.1 | 80.3 | 0.004 | 0.15 | 15.00 | 13.1 | 4 | 23.5 | 125.0 | 0.84 | 0.47 | 9.38 | 0.301 | 0.61 | 6.9 |

Comments: Grease was observed on sample R615201 during crushing. A 1kg split of material was salvaged for pulverizing however this split may not be representative of the entire sample.

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

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


**Finalized Date: 27-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197154

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R615201 | | 125 | 137.0 | 12.8 | 40 | 141.0 |
| R615202 | | 146 | 29.4 | 14.8 | 53 | 143.0 |
| R615203 | | 141 | 7.9 | 13.2 | 46 | 125.0 |
| R615204 | | 137 | 6.1 | 13.0 | 35 | 143.5 |
| R615205 | | 137 | 7.0 | 12.5 | 40 | 109.0 |
| R615206 | | 157 | 16.5 | 12.9 | 53 | 123.0 |
| R615207 | | 138 | 147.5 | 12.5 | 46 | 84.0 |
| R615208 | | 38 | 9.5 | 15.8 | 205 | 61.2 |
| R615209 | | 175 | 7.3 | 15.4 | 41 | 132.0 |
| R615210 | | 152 | 22.7 | 18.1 | 47 | 151.5 |
| R615211 | | 152 | 7.9 | 13.5 | 55 | 111.0 |
| R615212 | | 130 | 9.2 | 13.7 | 25 | 111.0 |
| R615213 | | 114 | 5.7 | 12.2 | 14 | 111.0 |
| R615214 | | 65 | 3.2 | 9.4 | 16 | 54.7 |
| R615215 | | 115 | 27.4 | 12.6 | 14 | 101.0 |
| R615216 | | 115 | 6.2 | 15.0 | 17 | 99.5 |
| R615217 | | 2 | 0.1 | 2.0 | 3 | 2.0 |
| R615218 | | 126 | 34.1 | 15.8 | 18 | 143.0 |
| R615219 | | 94 | 3.5 | 16.0 | 29 | 72.5 |
| R615220 | | 103 | 5.5 | 12.1 | 17 | 126.0 |
| R615221 | | 100 | 5.0 | 11.6 | 17 | 95.3 |
| R615222 | | 129 | 8.7 | 12.1 | 20 | 102.5 |
| R615223 | | 177 | 6.2 | 9.8 | 15 | 124.0 |
| R615224 | | 39 | 9.9 | 15.3 | 213 | 61.2 |
| R615225 | | 163 | 11.9 | 10.4 | 22 | 111.5 |
| R615226 | | 118 | 3.7 | 9.8 | 27 | 80.9 |
| R615227 | | 162 | 5.8 | 8.8 | 18 | 111.0 |
| R615228 | | 157 | 5.8 | 9.3 | 17 | 107.0 |
| R615229 | | 127 | 19.0 | 12.5 | 42 | 94.6 |
| R615230 | | 131 | 5.9 | 9.7 | 19 | 100.0 |
| R615231 | | 70 | 4.7 | 9.7 | 23 | 69.1 |
| R615232 | | 170 | 7.5 | 12.9 | 20 | 109.5 |
| R615233 | | 213 | 6.6 | 11.2 | 19 | 93.9 |
| R615234 | | 190 | 6.2 | 9.0 | 19 | 84.3 |
| R615235 | | 129 | 7.8 | 11.6 | 20 | 95.7 |
| R615236 | | 168 | 6.7 | 10.2 | 22 | 109.0 |
| R615237 | | 164 | 6.1 | 19.2 | 18 | 102.5 |
| R615238 | | 122 | 5.7 | 8.7 | 9 | 89.2 |
| R615239 | | 294 | 22.3 | 7.2 | 9 | 166.0 |
| R615240 | | 169 | 7.2 | 12.2 | 19 | 150.0 |

Comments: Grease was observed on sample R615201 during crushing. A 1kg split of material was salvaged for pulverizing however this split may not be representative of the entire sample.

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 27-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20197154

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20197157

Project: Tiger

P.O. No.: R20-D07

This report is for 32 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |
| WSH-21 | "Wash" crushers |
| WSH-22 | "Wash" pulverizers |
| WEI-22 | Dry Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| OA-HSUL10 | Handling of High Sulphide Samples |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| As-OG62 | Ore Grade As - Four Acid | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-NOV-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20197157

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| Q050951 | | 3.76 | <0.01 | 0.13 | 0.65 | 173.5 | 310 | 0.26 | 0.04 | 32.6 | 0.92 | 30.9 | 8.0 | 77 | 0.43 | 5.0 |
| Q050952 | | 3.00 | <0.01 | 0.21 | 1.65 | 48.1 | 1120 | 0.36 | 0.33 | 18.55 | 0.56 | 44.6 | 11.0 | 171 | 0.83 | 9.6 |
| Q050953 | | 4.86 | 0.02 | 0.39 | 1.28 | 91.9 | 820 | 0.34 | 2.21 | 18.50 | 0.17 | 6.70 | 9.7 | 41 | 0.91 | 22.3 |
| Q050954 | | 5.28 | 0.01 | 0.06 | 0.12 | 8.5 | 220 | 0.17 | 0.94 | 22.5 | 0.13 | 2.53 | 1.2 | 3 | 0.17 | 2.5 |
| Q050955 | | 2.57 | <0.01 | 0.05 | 0.06 | 5.3 | 120 | 0.15 | 0.80 | 22.2 | 0.14 | 3.45 | 0.5 | 3 | 0.16 | 1.5 |
| Q050956 | | 1.83 | 0.02 | 0.17 | 0.13 | 18.5 | 210 | 0.18 | 1.02 | 21.5 | 3.86 | 3.76 | 0.5 | 8 | 0.24 | 2.0 |
| Q050957 | | 4.21 | 0.01 | 0.13 | 0.09 | 15.8 | 270 | 0.15 | 0.81 | 21.7 | 0.27 | 3.74 | 0.5 | 6 | 0.20 | 1.6 |
| Q050958 | | <0.02 | 0.02 | 0.13 | 0.09 | 16.6 | 270 | 0.14 | 0.88 | 21.9 | 0.31 | 3.71 | 0.5 | 5 | 0.21 | 1.2 |
| Q050959 | | 5.13 | 0.01 | 0.11 | 0.15 | 13.2 | 430 | 0.21 | 0.55 | 21.8 | 0.28 | 3.62 | 0.8 | 7 | 0.27 | 3.0 |
| Q050960 | | 5.27 | 0.03 | 0.22 | 0.35 | 36.3 | 730 | 0.33 | 1.00 | 21.7 | 0.57 | 4.24 | 1.8 | 14 | 0.51 | 6.3 |
| Q050961 | | 5.55 | 0.01 | 0.11 | 0.44 | 16.8 | 890 | 0.40 | 0.64 | 21.5 | 0.25 | 4.56 | 1.4 | 10 | 0.54 | 5.0 |
| Q050962 | | 0.05 | 0.42 | 1.58 | 9.48 | 4.9 | 320 | 1.44 | 0.35 | 3.48 | 0.06 | 36.2 | 19.4 | 107 | 1.88 | 31.4 |
| Q050963 | | 5.46 | 0.04 | 0.30 | 0.93 | 25.0 | 1320 | 0.78 | 2.61 | 20.8 | 1.66 | 5.10 | 2.8 | 22 | 1.00 | 5.9 |
| Q050964 | | 5.44 | 0.08 | 0.54 | 0.45 | 31.7 | 510 | 0.56 | 5.09 | 20.7 | 1.12 | 5.72 | 1.0 | 8 | 0.57 | 12.6 |
| Q050965 | | 5.25 | 0.03 | 1.41 | 0.20 | 235 | 310 | 0.24 | 3.04 | 7.49 | 6.92 | 8.28 | 1.0 | 3 | 0.31 | 9.5 |
| Q050966 | | 5.04 | <0.01 | 0.29 | 0.17 | 123.0 | 430 | 0.27 | 1.04 | 20.7 | 1.06 | 3.58 | 0.5 | 3 | 0.36 | 1.8 |
| Q050967 | | 5.41 | <0.01 | 0.05 | 0.14 | 6.3 | 150 | 0.22 | 0.41 | 21.2 | 0.10 | 3.55 | 0.3 | 4 | 0.52 | 0.9 |
| Q050968 | | 5.66 | <0.01 | 0.04 | 0.11 | 4.0 | 120 | 0.23 | 0.52 | 20.8 | 0.02 | 4.14 | 0.4 | 4 | 0.88 | 1.3 |
| Q050969 | | 5.63 | <0.01 | 0.15 | 0.13 | 6.4 | 140 | 0.19 | 0.61 | 21.0 | 0.08 | 4.21 | 0.4 | 5 | 0.51 | 4.2 |
| Q050970 | | 5.87 | <0.01 | 0.06 | 0.19 | 6.5 | 110 | 0.21 | 0.74 | 21.6 | 0.13 | 4.56 | 0.4 | 5 | 0.38 | 2.6 |
| Q050971 | | 4.15 | 0.01 | 0.29 | 0.15 | 39.6 | 150 | 0.26 | 1.42 | 21.7 | 0.58 | 4.56 | 0.5 | 4 | 0.36 | 2.0 |
| Q050972 | | 1.71 | <0.01 | 0.07 | 0.08 | 25.9 | 70 | 0.18 | 0.81 | 21.9 | 0.18 | 4.23 | 0.5 | 3 | 0.38 | 1.2 |
| Q050973 | | 1.72 | <0.01 | 0.09 | 0.08 | 28.0 | 80 | 0.18 | 0.89 | 21.8 | 0.15 | 4.26 | 0.5 | 3 | 0.36 | 1.3 |
| Q050974 | | 5.38 | <0.01 | 0.06 | 0.22 | 7.3 | 170 | 0.25 | 0.80 | 17.10 | 0.05 | 3.74 | 0.5 | 6 | 1.57 | 3.9 |
| Q050975 | | 5.14 | 0.04 | 0.99 | 0.24 | 9.9 | 150 | 0.28 | 12.85 | 19.75 | 0.39 | 4.14 | 0.5 | 6 | 1.13 | 299 |
| Q050976 | | 0.26 | 1.93 | 0.83 | 0.22 | >10000 | 20 | 0.09 | 271 | 14.00 | 0.22 | 15.30 | 2.1 | 11 | 1.07 | 25.0 |
| Q050977 | | 5.68 | 0.03 | 0.41 | 0.17 | 55.0 | 120 | 0.17 | 4.96 | 21.1 | 0.64 | 7.03 | 0.5 | 4 | 0.30 | 28.0 |
| Q050978 | | 5.73 | 0.01 | 0.13 | 0.06 | 51.7 | 110 | 0.10 | 3.25 | 20.9 | 0.18 | 5.46 | 0.3 | 3 | 0.34 | 28.4 |
| Q050979 | | 3.02 | 0.02 | 0.05 | 0.15 | 15.2 | 120 | 0.24 | 3.40 | 21.8 | 0.09 | 3.67 | 0.4 | 5 | 1.19 | 1.8 |
| Q050980 | | 5.10 | <0.01 | 0.01 | 0.12 | 1.6 | 20 | 0.09 | 0.07 | 35.3 | 0.02 | 0.87 | 0.5 | 2 | <0.05 | 0.8 |
| Q050981 | | 4.67 | 0.03 | 0.05 | 0.27 | 12.7 | 180 | 0.36 | 2.15 | 20.9 | 0.02 | 4.28 | 0.7 | 6 | 1.83 | 2.5 |
| Q050982 | | 5.60 | 0.04 | 0.13 | 0.13 | 123.5 | 60 | 0.16 | 10.90 | 21.1 | 1.26 | 3.39 | 0.6 | 2 | 0.51 | 2.5 |

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

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**Finalized Date: 5-NOV-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20197157

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| Q050951 | | 2.38 | 2.18 | 0.07 | 0.3 | 0.066 | 0.32 | 12.1 | 1.7 | 1.64 | 1260 | 0.41 | 0.01 | 12.0 | 12.5 | 390 |
| Q050952 | | 2.97 | 5.55 | 0.07 | 0.6 | 0.103 | 0.81 | 19.5 | 4.3 | 9.03 | 945 | 0.65 | 0.01 | 25.4 | 25.3 | 650 |
| Q050953 | | 1.58 | 3.26 | <0.05 | 0.1 | 0.021 | 0.67 | 3.5 | 3.6 | 11.20 | 476 | 0.59 | 0.01 | 2.6 | 39.5 | 160 |
| Q050954 | | 0.30 | 0.48 | 0.20 | <0.1 | 0.005 | 0.06 | 1.6 | 3.3 | 13.05 | 380 | 1.44 | 0.01 | 0.2 | 3.4 | 10 |
| Q050955 | | 0.25 | 0.38 | 0.36 | <0.1 | 0.008 | 0.03 | 2.5 | 3.4 | 13.05 | 438 | 0.69 | 0.01 | 0.1 | 1.9 | <10 |
| Q050956 | | 0.54 | 0.63 | 0.31 | 0.1 | 0.069 | 0.05 | 2.1 | 2.8 | 12.60 | 542 | 0.98 | 0.01 | 0.2 | 3.8 | 10 |
| Q050957 | | 0.37 | 0.47 | 0.35 | <0.1 | 0.010 | 0.04 | 2.5 | 3.1 | 12.70 | 414 | 1.64 | 0.01 | 0.2 | 3.1 | <10 |
| Q050958 | | 0.37 | 0.47 | 0.35 | <0.1 | 0.008 | 0.05 | 2.4 | 3.0 | 12.75 | 419 | 1.69 | 0.01 | 0.2 | 3.0 | 10 |
| Q050959 | | 0.30 | 0.62 | 0.44 | 0.1 | 0.008 | 0.07 | 2.4 | 3.3 | 12.75 | 348 | 1.99 | 0.01 | 0.3 | 4.0 | <10 |
| Q050960 | | 0.59 | 1.17 | 0.25 | 0.1 | 0.017 | 0.15 | 2.4 | 3.1 | 12.10 | 439 | 1.78 | 0.01 | 0.7 | 8.7 | 10 |
| Q050961 | | 0.49 | 1.22 | 0.24 | 0.2 | 0.023 | 0.19 | 2.4 | 3.0 | 11.95 | 464 | 0.76 | 0.01 | 0.9 | 6.2 | 10 |
| Q050962 | | 7.17 | 28.4 | 0.18 | 4.8 | 0.098 | 1.27 | 15.9 | 14.4 | 1.60 | 728 | 8.48 | 1.93 | 11.4 | 22.4 | 470 |
| Q050963 | | 1.17 | 2.50 | 0.14 | 0.4 | 0.059 | 0.41 | 2.7 | 4.0 | 11.75 | 850 | 2.96 | 0.02 | 2.0 | 12.5 | 20 |
| Q050964 | | 1.00 | 1.73 | 0.14 | 0.2 | 0.088 | 0.21 | 3.2 | 2.5 | 12.35 | 946 | 1.61 | 0.01 | 0.8 | 4.3 | <10 |
| Q050965 | | 22.9 | 1.37 | <0.05 | 0.1 | 13.75 | 0.08 | 6.0 | 1.1 | 5.75 | 39800 | 1.27 | 0.01 | 0.1 | 5.2 | <10 |
| Q050966 | | 2.31 | 0.78 | <0.05 | 0.1 | 1.050 | 0.07 | 2.0 | 2.6 | 12.20 | 3750 | 0.84 | 0.01 | 0.2 | 2.2 | 10 |
| Q050967 | | 0.39 | 0.54 | 0.05 | 0.1 | 0.132 | 0.07 | 2.1 | 2.9 | 12.70 | 778 | 0.51 | 0.01 | 0.2 | 2.2 | <10 |
| Q050968 | | 0.21 | 0.56 | 0.24 | 0.1 | 0.020 | 0.07 | 2.4 | 2.9 | 12.20 | 493 | 0.37 | 0.01 | 0.2 | 1.9 | <10 |
| Q050969 | | 0.28 | 0.85 | 0.15 | 0.1 | 0.034 | 0.04 | 2.5 | 2.7 | 12.45 | 732 | 0.74 | 0.01 | 0.4 | 2.0 | <10 |
| Q050970 | | 0.30 | 0.97 | 0.17 | 0.1 | 0.019 | 0.05 | 2.7 | 2.7 | 12.90 | 689 | 0.59 | 0.02 | 0.5 | 2.8 | <10 |
| Q050971 | | 0.66 | 0.86 | 0.13 | 0.1 | 0.112 | 0.05 | 2.9 | 2.5 | 12.45 | 1160 | 0.85 | 0.01 | 0.3 | 3.2 | <10 |
| Q050972 | | 0.39 | 0.60 | 0.20 | <0.1 | 0.024 | 0.03 | 2.7 | 2.8 | 13.15 | 735 | 1.02 | 0.01 | 0.2 | 2.5 | <10 |
| Q050973 | | 0.40 | 0.58 | 0.30 | <0.1 | 0.020 | 0.03 | 2.8 | 2.9 | 13.05 | 736 | 1.18 | 0.01 | 0.2 | 2.6 | <10 |
| Q050974 | | 0.41 | 1.10 | 0.19 | 0.1 | 0.015 | 0.14 | 2.5 | 2.3 | 9.36 | 570 | 0.92 | 0.01 | 0.5 | 3.1 | 10 |
| Q050975 | | 0.42 | 1.03 | 0.28 | 0.1 | 0.272 | 0.12 | 2.9 | 2.4 | 11.00 | 718 | 0.45 | 0.01 | 0.7 | 3.0 | <10 |
| Q050976 | | 16.25 | 1.50 | <0.05 | 0.1 | 0.073 | 0.10 | 6.8 | 2.2 | 7.24 | 3270 | 4.68 | 0.01 | 1.3 | 10.4 | 180 |
| Q050977 | | 1.60 | 1.02 | <0.05 | 0.1 | 0.048 | 0.03 | 4.1 | 2.6 | 12.80 | 973 | 0.76 | 0.02 | 0.4 | 3.9 | <10 |
| Q050978 | | 1.44 | 0.40 | <0.05 | <0.1 | 0.048 | 0.01 | 3.0 | 3.0 | 12.75 | 1110 | 0.30 | 0.01 | 0.1 | 1.6 | <10 |
| Q050979 | | 0.50 | 0.75 | 0.11 | 0.1 | 0.011 | 0.08 | 2.4 | 3.4 | 13.30 | 563 | 0.63 | 0.01 | 0.4 | 2.7 | 10 |
| Q050980 | | 0.10 | 0.48 | 0.12 | 0.1 | 0.005 | 0.04 | 1.0 | 1.1 | 1.48 | 95 | 0.05 | 0.05 | 0.4 | 1.3 | 50 |
| Q050981 | | 0.85 | 1.15 | 0.10 | 0.1 | 0.007 | 0.16 | 2.9 | 3.5 | 12.55 | 613 | 0.67 | 0.01 | 0.8 | 3.7 | <10 |
| Q050982 | | 2.30 | 0.56 | <0.05 | 0.1 | 0.014 | 0.04 | 2.0 | 2.3 | 12.55 | 765 | 0.24 | 0.01 | 0.2 | 1.9 | <10 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-NOV-2020**
**Account: RCM**

Project: Tiger

# CERTIFICATE OF ANALYSIS WH20197157

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| Q050951 | | 30.9 | 9.5 | 0.003 | 0.21 | 2.52 | 3.8 | <1 | 0.6 | 165.5 | 0.57 | <0.05 | 1.52 | 0.253 | 0.51 | 0.5 |
| Q050952 | | 20.5 | 22.2 | 0.002 | 0.30 | 4.97 | 5.9 | <1 | 1.0 | 97.9 | 1.25 | <0.05 | 2.68 | 0.572 | 0.39 | 1.1 |
| Q050953 | | 8.9 | 24.4 | <0.002 | 0.14 | 7.60 | 4.4 | <1 | 0.5 | 57.9 | 0.13 | <0.05 | 0.51 | 0.117 | 0.26 | 0.5 |
| Q050954 | | 4.7 | 2.6 | 0.002 | 0.08 | 0.91 | 0.3 | 1 | 0.3 | 64.5 | <0.05 | <0.05 | 0.19 | 0.007 | 0.06 | 0.4 |
| Q050955 | | 6.2 | 2.0 | <0.002 | 0.07 | 0.43 | 0.2 | <1 | 0.2 | 81.8 | <0.05 | <0.05 | 0.18 | <0.005 | 0.04 | 0.3 |
| Q050956 | | 22.3 | 4.4 | <0.002 | 0.37 | 0.59 | 0.5 | 1 | 1.1 | 60.2 | <0.05 | <0.05 | 0.18 | 0.009 | 0.06 | 0.2 |
| Q050957 | | 16.6 | 2.8 | <0.002 | 0.22 | 0.55 | 0.4 | 1 | 0.2 | 69.1 | <0.05 | <0.05 | 0.18 | 0.006 | 0.07 | 0.2 |
| Q050958 | | 15.9 | 2.7 | 0.004 | 0.22 | 0.53 | 0.4 | 1 | 0.2 | 68.0 | <0.05 | <0.05 | 0.17 | 0.006 | 0.07 | 0.2 |
| Q050959 | | 6.8 | 3.6 | 0.002 | 0.18 | 1.29 | 0.5 | 1 | 0.5 | 68.7 | <0.05 | <0.05 | 0.22 | 0.009 | 0.11 | 0.3 |
| Q050960 | | 22.1 | 10.3 | 0.002 | 0.24 | 1.87 | 1.2 | 1 | 4.4 | 79.5 | <0.05 | <0.05 | 0.50 | 0.027 | 0.14 | 0.4 |
| Q050961 | | 9.5 | 11.8 | 0.002 | 0.27 | 1.05 | 1.2 | 1 | 4.2 | 97.9 | 0.06 | <0.05 | 0.76 | 0.029 | 0.14 | 0.5 |
| Q050962 | | 19.7 | 65.9 | <0.002 | 0.05 | 0.59 | 18.8 | 1 | 2.9 | 150.0 | 1.16 | <0.05 | 28.0 | 0.722 | 0.45 | 5.2 |
| Q050963 | | 25.9 | 29.0 | <0.002 | 0.27 | 2.45 | 2.2 | <1 | 4.4 | 118.5 | 0.11 | <0.05 | 1.41 | 0.062 | 0.30 | 0.7 |
| Q050964 | | 57.7 | 16.1 | <0.002 | 0.18 | 2.74 | 0.8 | 1 | 8.4 | 118.5 | 0.05 | <0.05 | 0.69 | 0.025 | 0.14 | 0.3 |
| Q050965 | | 324 | 7.1 | <0.002 | 0.16 | 0.91 | 0.4 | <1 | 10.6 | 34.5 | <0.05 | <0.05 | 0.31 | <0.005 | 0.09 | 0.5 |
| Q050966 | | 43.5 | 7.6 | <0.002 | 0.09 | 0.43 | 0.4 | 1 | 4.4 | 89.4 | <0.05 | <0.05 | 0.29 | 0.007 | 0.07 | 0.3 |
| Q050967 | | 3.8 | 7.1 | <0.002 | 0.06 | 0.49 | 0.3 | <1 | 2.5 | 56.2 | <0.05 | <0.05 | 0.23 | 0.006 | 0.07 | 0.2 |
| Q050968 | | 2.4 | 7.1 | <0.002 | 0.06 | 0.32 | 0.3 | 1 | 1.1 | 63.6 | <0.05 | <0.05 | 0.20 | 0.007 | 0.08 | 0.3 |
| Q050969 | | 6.6 | 5.4 | <0.002 | 0.05 | 0.37 | 0.4 | <1 | 1.1 | 56.9 | <0.05 | 0.07 | 0.22 | 0.011 | 0.05 | 0.3 |
| Q050970 | | 7.1 | 7.0 | <0.002 | 0.03 | 0.29 | 0.5 | <1 | 1.4 | 60.7 | <0.05 | <0.05 | 0.38 | 0.014 | 0.05 | 0.3 |
| Q050971 | | 32.8 | 6.2 | 0.002 | 0.09 | 0.37 | 0.4 | <1 | 1.7 | 78.7 | <0.05 | 0.06 | 0.24 | 0.010 | 0.05 | 0.2 |
| Q050972 | | 8.5 | 4.1 | <0.002 | 0.07 | 0.33 | 0.3 | <1 | 0.5 | 60.3 | <0.05 | <0.05 | 0.14 | 0.005 | 0.06 | 0.2 |
| Q050973 | | 8.8 | 4.0 | 0.002 | 0.09 | 0.30 | 0.3 | <1 | 0.5 | 59.2 | <0.05 | <0.05 | 0.17 | 0.005 | 0.06 | 0.2 |
| Q050974 | | 3.3 | 11.3 | 0.002 | 0.16 | 0.65 | 0.6 | <1 | 0.7 | 65.8 | 0.07 | <0.05 | 0.36 | 0.013 | 0.17 | 0.4 |
| Q050975 | | 6.8 | 10.8 | <0.002 | 0.16 | 6.45 | 0.7 | 1 | 250 | 73.0 | <0.05 | <0.05 | 0.45 | 0.018 | 0.14 | 0.5 |
| Q050976 | | 8.7 | 13.2 | 0.004 | >10.0 | 11.55 | 0.6 | 1 | 2.5 | 85.5 | 0.06 | 0.24 | 0.49 | 0.018 | 0.22 | 0.5 |
| Q050977 | | 42.3 | 3.2 | 0.002 | 1.29 | 1.12 | 0.5 | 1 | 23.8 | 80.7 | <0.05 | 0.10 | 0.33 | 0.010 | 0.08 | 0.6 |
| Q050978 | | 8.2 | 1.3 | <0.002 | 1.20 | 0.91 | 0.7 | 1 | 24.3 | 70.8 | <0.05 | <0.05 | 0.09 | <0.005 | 0.05 | 0.3 |
| Q050979 | | 5.1 | 9.2 | <0.002 | 0.34 | 0.70 | 0.4 | <1 | 0.8 | 71.7 | <0.05 | <0.05 | 0.32 | 0.011 | 0.10 | 0.4 |
| Q050980 | | 4.7 | 1.3 | <0.002 | 0.02 | 0.06 | 0.1 | 1 | <0.2 | 81.7 | <0.05 | <0.05 | 0.11 | <0.005 | <0.02 | 0.2 |
| Q050981 | | 1.8 | 17.8 | <0.002 | 0.66 | 0.59 | 0.6 | 1 | 0.3 | 87.3 | <0.05 | <0.05 | 0.35 | 0.021 | 0.22 | 0.5 |
| Q050982 | | 24.7 | 6.0 | <0.002 | 2.19 | 0.87 | 0.3 | <1 | 0.4 | 62.8 | <0.05 | 0.05 | 0.17 | 0.007 | 0.07 | 0.6 |

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

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**VANCOUVER BC V6B 1L8**

Project: Tiger


**Finalized Date: 5-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20197157

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | As-OG62 | WEI-22 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr | As | Dry Wt. |
| | Units | ppm | ppm | ppm | ppm | ppm | % | kg |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 | 0.001 | 0.02 |
| Q050951 | | 39 | 0.6 | 19.3 | 249 | 12.4 | | 3.75 |
| Q050952 | | 91 | 1.0 | 16.4 | 124 | 28.8 | | 2.96 |
| Q050953 | | 35 | 0.9 | 3.5 | 59 | 4.4 | | 4.88 |
| Q050954 | | 6 | 0.9 | 1.4 | 33 | 1.5 | | 5.33 |
| Q050955 | | 5 | 0.8 | 2.7 | 29 | 1.0 | | 2.64 |
| Q050956 | | 7 | 1.0 | 2.1 | 895 | 1.9 | | 1.90 |
| Q050957 | | 9 | 1.2 | 3.0 | 67 | 1.3 | | 4.26 |
| Q050958 | | 9 | 1.2 | 3.0 | 70 | 1.3 | | |
| Q050959 | | 8 | 1.3 | 3.1 | 48 | 1.9 | | 5.18 |
| Q050960 | | 13 | 1.7 | 2.9 | 127 | 5.0 | | 5.30 |
| Q050961 | | 10 | 1.2 | 2.3 | 60 | 6.6 | | 5.58 |
| Q050962 | | 204 | 0.8 | 22.0 | 67 | 162.5 | | |
| Q050963 | | 15 | 3.9 | 2.6 | 368 | 14.3 | | 5.45 |
| Q050964 | | 7 | 2.5 | 2.1 | 226 | 6.1 | | 5.44 |
| Q050965 | | 4 | 1.3 | 2.2 | 1700 | 2.2 | | 5.13 |
| Q050966 | | 4 | 1.0 | 1.6 | 233 | 2.2 | | 5.04 |
| Q050967 | | 5 | 0.7 | 2.0 | 28 | 1.9 | | 5.46 |
| Q050968 | | 5 | 0.6 | 3.0 | 13 | 1.8 | | 5.72 |
| Q050969 | | 6 | 1.3 | 3.3 | 38 | 2.6 | | 5.67 |
| Q050970 | | 7 | 1.3 | 3.3 | 51 | 3.3 | | 5.93 |
| Q050971 | | 5 | 1.6 | 3.3 | 167 | 2.5 | | 4.20 |
| Q050972 | | 4 | 1.4 | 3.1 | 62 | 1.3 | | 1.78 |
| Q050973 | | 4 | 1.3 | 3.2 | 63 | 1.4 | | 1.78 |
| Q050974 | | 4 | 1.0 | 2.7 | 28 | 3.2 | | 5.43 |
| Q050975 | | 6 | 1.6 | 3.2 | 86 | 3.8 | | 5.20 |
| Q050976 | | 6 | 58.6 | 6.7 | 63 | 5.5 | 2.64 | |
| Q050977 | | 7 | 1.7 | 3.6 | 205 | 3.3 | | 5.73 |
| Q050978 | | 4 | 42.5 | 3.6 | 54 | 0.9 | | 5.79 |
| Q050979 | | 5 | 1.2 | 2.4 | 30 | 3.0 | | 3.09 |
| Q050980 | | 1 | 0.8 | 2.0 | 5 | 1.5 | | 5.16 |
| Q050981 | | 5 | 3.1 | 2.7 | 15 | 5.3 | | 4.73 |
| Q050982 | | 5 | 1.1 | 1.9 | 300 | 1.8 | | 5.65 |

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

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**VANCOUVER BC V6B 1L8**

Project: Tiger


**Finalized Date: 5-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20197157

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| | LOG-23 | OA-HSUL10 | PUL-31 | PUL-31d |
| | PUL-QC | SPL-21 | SPL-21d | WEI-21 |
| | WEI-22 | WSH-21 | WSH-22 | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | As-OG62 | Au-AA26 | ME-MS61 | ME-OG62 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 28-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20197159

Project: Rau

P.O. No.: R20-D08

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 28-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197159

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R615241 | | 1.56 | 0.11 | 0.28 | 3.65 | 3390 | 890 | 1.43 | 24.1 | 0.87 | <0.02 | 51.5 | 13.7 | 62 | 2.17 | 6.1 |
| R615242 | | 1.70 | 0.10 | 0.42 | 3.92 | 4670 | 1280 | 1.55 | 15.40 | 2.01 | 0.13 | 48.5 | 19.8 | 59 | 1.97 | 11.2 |
| R615243 | | 0.66 | 0.41 | 0.72 | 3.97 | 6930 | 1210 | 1.47 | 47.5 | 1.48 | 0.12 | 48.7 | 34.4 | 49 | 1.89 | 18.1 |
| R615244 | | 2.59 | 0.05 | 0.22 | 4.25 | 2060 | 1440 | 1.57 | 10.95 | 2.05 | 0.09 | 52.8 | 11.4 | 63 | 2.32 | 9.3 |
| R615245 | | 1.92 | 0.04 | 0.10 | 5.75 | 1530 | 1940 | 2.11 | 15.65 | 2.43 | 0.11 | 74.0 | 13.5 | 96 | 3.14 | 14.3 |
| R615246 | | 2.98 | 0.05 | 0.16 | 6.04 | 2030 | 2060 | 2.15 | 13.85 | 3.99 | 0.18 | 92.3 | 14.0 | 111 | 3.49 | 22.7 |
| R615247 | | 2.82 | 0.03 | 0.22 | 5.64 | 1350 | 1930 | 2.16 | 10.80 | 3.68 | 0.13 | 73.8 | 17.2 | 97 | 3.34 | 24.0 |
| R615248 | | 2.09 | 0.01 | 0.08 | 6.10 | 1530 | 2100 | 2.24 | 6.36 | 4.47 | 0.11 | 74.6 | 13.1 | 100 | 3.53 | 16.0 |
| R615249 | | 0.16 | 1.35 | 71.5 | 6.81 | 31.4 | 4400 | 1.09 | 0.15 | 1.86 | 15.75 | 28.5 | 5.0 | 20 | 0.41 | 209 |
| R615250 | | 3.93 | 0.02 | 0.42 | 6.70 | 1390 | 2290 | 2.29 | 6.82 | 4.53 | 0.14 | 84.7 | 14.2 | 109 | 3.95 | 10.6 |
| R615251 | | 5.29 | 0.09 | 1.03 | 5.76 | 2020 | 2020 | 1.99 | 11.15 | 3.59 | 0.33 | 83.1 | 16.0 | 103 | 3.25 | 30.7 |
| R615252 | | 4.60 | 0.12 | 0.07 | 5.82 | 386 | 2120 | 1.97 | 4.74 | 3.44 | 0.17 | 86.0 | 11.8 | 92 | 3.46 | 18.7 |
| R615253 | | 1.91 | 0.02 | 0.13 | 4.24 | 390 | 1470 | 1.47 | 5.03 | 4.39 | 0.17 | 69.3 | 21.4 | 60 | 2.35 | 31.8 |
| R615254 | | 0.31 | 0.07 | 0.18 | 5.98 | 793 | 2220 | 2.02 | 40.8 | 3.62 | 0.22 | 75.7 | 30.9 | 82 | 3.75 | 48.6 |
| R615255 | | 3.75 | 0.01 | 0.03 | 5.64 | 245 | 2040 | 1.90 | 1.12 | 4.21 | 0.09 | 95.6 | 6.0 | 60 | 3.10 | 10.8 |
| R615256 | | 3.39 | 0.01 | 0.06 | 6.19 | 741 | 2110 | 1.90 | 1.63 | 3.17 | 0.17 | 118.0 | 11.4 | 69 | 3.17 | 28.2 |
| R615257 | | 5.51 | <0.01 | <0.01 | 0.10 | 2.1 | 30 | 0.08 | 0.03 | 31.9 | <0.02 | 1.07 | 0.6 | 3 | <0.05 | 0.4 |
| R615258 | | 4.01 | 0.01 | 0.10 | 5.01 | 826 | 1680 | 1.46 | 2.77 | 4.34 | 0.20 | 72.1 | 10.5 | 62 | 2.55 | 24.9 |
| R615259 | | 0.78 | 0.01 | 0.14 | 4.73 | 575 | 1620 | 1.42 | 2.67 | 4.65 | 0.18 | 72.7 | 6.6 | 61 | 2.55 | 16.4 |
| R615260 | | 2.63 | 0.02 | 0.15 | 6.46 | 1300 | 2350 | 2.08 | 5.84 | 2.50 | 0.18 | 88.0 | 22.9 | 80 | 3.68 | 63.2 |
| R615261 | | 0.49 | 0.01 | 0.19 | 4.74 | 500 | 1650 | 1.34 | 6.45 | 2.17 | 0.22 | 59.9 | 7.2 | 73 | 2.67 | 23.1 |
| R615262 | | 2.44 | 0.01 | 0.10 | 5.91 | 858 | 2150 | 1.78 | 3.63 | 4.38 | 0.18 | 80.7 | 10.9 | 108 | 3.56 | 35.8 |
| R615263 | | 2.40 | 0.01 | 0.37 | 6.31 | 1440 | 2260 | 2.01 | 5.38 | 5.42 | 0.41 | 74.0 | 13.0 | 111 | 3.62 | 39.6 |
| R615264 | | 1.82 | 0.02 | 1.42 | 3.53 | 1560 | 1130 | 1.27 | 44.4 | 2.75 | 0.55 | 45.0 | 23.1 | 65 | 1.65 | 69.6 |
| R615265 | | <0.02 | 0.02 | 1.52 | 3.43 | 1525 | 1100 | 1.15 | 33.8 | 2.69 | 0.53 | 45.6 | 22.1 | 62 | 1.60 | 67.5 |
| R615266 | | 3.01 | 0.02 | 1.08 | 6.01 | 1075 | 2010 | 1.93 | 9.26 | 5.77 | 0.72 | 87.5 | 17.6 | 115 | 3.16 | 49.9 |
| R615267 | | 1.03 | 0.03 | 0.99 | 6.16 | 428 | 2040 | 1.64 | 8.21 | 5.14 | 0.22 | 71.1 | 7.7 | 103 | 3.10 | 9.8 |
| R615268 | | 0.81 | 0.03 | 1.84 | 5.49 | 385 | 1880 | 1.58 | 15.35 | 4.53 | 0.31 | 69.0 | 13.0 | 103 | 2.90 | 44.8 |
| R615269 | | 0.26 | 3.38 | 6.14 | 7.36 | 1590 | 130 | 1.54 | 0.60 | 3.09 | 1.31 | 37.6 | 22.5 | 16 | 7.59 | 188.5 |
| R615270 | | 3.94 | 0.04 | 1.30 | 6.22 | 493 | 2180 | 1.79 | 13.95 | 3.47 | 0.28 | 70.3 | 14.1 | 104 | 3.32 | 29.3 |
| R615271 | | 2.48 | 0.03 | 1.20 | 5.69 | 501 | 1960 | 1.55 | 11.05 | 3.80 | 0.93 | 70.3 | 15.1 | 101 | 2.89 | 33.4 |
| R615272 | | 1.86 | 0.02 | 1.12 | 4.49 | 931 | 1520 | 1.46 | 7.33 | 5.04 | 1.16 | 69.9 | 18.0 | 82 | 2.44 | 28.5 |
| R615273 | | 1.99 | 0.02 | 0.85 | 5.46 | 538 | 1880 | 1.62 | 7.97 | 4.14 | 0.29 | 57.1 | 13.2 | 82 | 2.77 | 21.4 |
| R615274 | | 1.22 | 0.01 | 0.49 | 5.17 | 889 | 1730 | 1.77 | 7.54 | 3.72 | 0.28 | 65.8 | 23.8 | 81 | 2.68 | 49.5 |
| R615275 | | 3.50 | 0.01 | 0.22 | 5.25 | 481 | 1820 | 1.52 | 6.64 | 4.99 | 0.22 | 64.7 | 18.8 | 87 | 2.64 | 41.0 |
| R615276 | | 1.23 | 0.02 | 0.12 | 4.94 | 468 | 1780 | 1.61 | 6.40 | 5.63 | 0.22 | 65.9 | 23.4 | 84 | 2.87 | 30.5 |
| R615277 | | 1.18 | 0.02 | 0.10 | 4.94 | 491 | 1750 | 1.58 | 6.03 | 5.84 | 0.19 | 62.9 | 23.9 | 82 | 2.72 | 29.3 |
| R615278 | | 1.66 | 0.01 | 0.11 | 6.72 | 244 | 2400 | 2.17 | 1.99 | 4.63 | 0.11 | 75.7 | 16.2 | 107 | 3.94 | 26.8 |
| R615279 | | 3.31 | 0.02 | 0.13 | 5.16 | 157.0 | 1750 | 1.49 | 1.77 | 5.85 | 0.12 | 71.7 | 15.1 | 95 | 2.53 | 38.1 |
| R615280 | | 1.86 | 0.01 | 0.17 | 5.61 | 245 | 1840 | 1.80 | 3.50 | 4.74 | 0.11 | 82.8 | 20.2 | 103 | 3.70 | 34.3 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 28-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197159

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R615241 | | 8.31 | 10.35 | 0.13 | 2.2 | 0.032 | 1.46 | 29.1 | 8.4 | 0.67 | 434 | 8.67 | 0.04 | 11.5 | 37.0 | 1960 |
| R615242 | | 5.14 | 10.70 | 0.12 | 2.2 | 0.042 | 1.96 | 26.2 | 6.4 | 0.82 | 846 | 13.70 | 0.03 | 20.6 | 34.0 | 3220 |
| R615243 | | 7.10 | 10.20 | 0.14 | 3.1 | 0.041 | 1.96 | 26.5 | 6.0 | 0.46 | 689 | 23.3 | 0.03 | 23.4 | 45.2 | 3950 |
| R615244 | | 3.43 | 11.25 | 0.14 | 2.2 | 0.036 | 2.15 | 28.5 | 7.4 | 1.04 | 1120 | 6.67 | 0.03 | 21.7 | 26.3 | 1620 |
| R615245 | | 3.94 | 15.10 | 0.19 | 2.9 | 0.041 | 2.93 | 38.6 | 9.6 | 1.20 | 939 | 5.33 | 0.05 | 32.2 | 32.3 | 2190 |
| R615246 | | 5.12 | 16.00 | 0.21 | 3.1 | 0.058 | 3.01 | 48.0 | 8.9 | 1.18 | 1700 | 5.69 | 0.05 | 32.1 | 40.5 | 3250 |
| R615247 | | 4.89 | 15.45 | 0.18 | 2.8 | 0.056 | 2.82 | 38.6 | 8.2 | 1.16 | 1470 | 8.25 | 0.05 | 28.5 | 42.6 | 2010 |
| R615248 | | 4.43 | 16.55 | 0.21 | 2.9 | 0.058 | 3.10 | 38.8 | 8.5 | 1.29 | 1420 | 9.04 | 0.05 | 31.1 | 37.4 | 1650 |
| R615249 | | 2.47 | 13.90 | 0.20 | 2.0 | 0.039 | 1.45 | 14.5 | 3.0 | 0.56 | 712 | 6.90 | 3.22 | 5.8 | 8.5 | 520 |
| R615250 | | 4.52 | 18.45 | 0.28 | 3.3 | 0.073 | 3.32 | 43.0 | 8.8 | 1.01 | 1360 | 10.10 | 0.06 | 35.5 | 35.3 | 1660 |
| R615251 | | 5.04 | 15.55 | 0.25 | 2.7 | 0.079 | 2.82 | 44.0 | 7.0 | 1.07 | 1530 | 5.94 | 0.06 | 28.6 | 40.9 | 2440 |
| R615252 | | 3.15 | 15.80 | 0.22 | 3.2 | 0.057 | 2.86 | 43.6 | 7.3 | 1.22 | 961 | 3.24 | 0.07 | 33.8 | 35.0 | 1700 |
| R615253 | | 4.38 | 11.40 | 0.21 | 2.4 | 0.044 | 2.06 | 36.1 | 4.9 | 1.04 | 1260 | 8.25 | 0.05 | 24.2 | 52.5 | 1640 |
| R615254 | | 5.53 | 16.80 | 0.25 | 3.0 | 0.065 | 2.96 | 39.2 | 7.3 | 1.43 | 1080 | 10.75 | 0.07 | 32.2 | 67.1 | 1930 |
| R615255 | | 2.64 | 15.45 | 0.30 | 3.3 | 0.059 | 2.73 | 48.6 | 6.6 | 1.61 | 914 | 2.23 | 0.07 | 37.1 | 15.3 | 1970 |
| R615256 | | 3.49 | 16.65 | 0.30 | 3.1 | 0.066 | 2.97 | 60.8 | 6.3 | 1.16 | 765 | 3.18 | 0.08 | 40.2 | 27.9 | 2840 |
| R615257 | | 0.10 | 0.39 | 0.13 | 0.1 | <0.005 | 0.03 | 1.1 | 1.4 | 1.44 | 86 | 0.05 | 0.04 | 0.3 | 0.4 | 70 |
| R615258 | | 3.73 | 12.20 | 0.15 | 2.4 | 0.059 | 2.41 | 37.0 | 4.7 | 1.68 | 1240 | 2.65 | 0.07 | 27.5 | 21.8 | 1820 |
| R615259 | | 3.31 | 12.15 | 0.19 | 2.3 | 0.053 | 2.23 | 38.7 | 5.3 | 1.77 | 1240 | 1.93 | 0.06 | 28.0 | 18.4 | 1520 |
| R615260 | | 5.60 | 17.15 | 0.24 | 3.6 | 0.061 | 3.12 | 45.2 | 7.2 | 1.09 | 1040 | 9.97 | 0.09 | 40.4 | 45.8 | 2170 |
| R615261 | | 2.42 | 11.85 | 0.25 | 2.5 | 0.055 | 2.21 | 31.2 | 5.2 | 0.79 | 565 | 2.08 | 0.07 | 31.7 | 19.8 | 1710 |
| R615262 | | 3.91 | 15.45 | 0.23 | 2.7 | 0.056 | 2.85 | 41.7 | 6.7 | 1.16 | 1400 | 4.07 | 0.08 | 30.8 | 36.2 | 2450 |
| R615263 | | 5.22 | 16.55 | 0.27 | 3.3 | 0.063 | 3.07 | 38.5 | 6.5 | 0.86 | 2120 | 9.18 | 0.09 | 33.6 | 42.8 | 2200 |
| R615264 | | 6.45 | 8.96 | 0.11 | 1.5 | 0.050 | 1.59 | 23.4 | 3.6 | 0.83 | 1570 | 7.39 | 0.06 | 10.4 | 62.7 | 1450 |
| R615265 | | 6.23 | 8.53 | 0.10 | 1.5 | 0.050 | 1.55 | 23.7 | 3.5 | 0.82 | 1540 | 6.97 | 0.05 | 9.5 | 60.2 | 1400 |
| R615266 | | 5.76 | 15.85 | 0.14 | 2.8 | 0.079 | 2.85 | 43.4 | 6.3 | 1.21 | 2300 | 7.47 | 0.09 | 27.5 | 47.6 | 2270 |
| R615267 | | 3.62 | 15.60 | 0.11 | 2.7 | 0.080 | 2.92 | 35.5 | 6.3 | 0.88 | 2030 | 6.18 | 0.10 | 29.9 | 22.7 | 2330 |
| R615268 | | 4.60 | 14.30 | 0.11 | 2.5 | 0.088 | 2.61 | 34.8 | 5.9 | 0.83 | 2080 | 5.39 | 0.09 | 28.4 | 34.3 | 2440 |
| R615269 | | 6.15 | 16.40 | 0.16 | 1.7 | 0.070 | 2.94 | 18.4 | 39.4 | 1.09 | 1380 | 3.39 | 0.34 | 6.4 | 13.4 | 1830 |
| R615270 | | 3.83 | 16.15 | 0.13 | 2.7 | 0.067 | 3.01 | 34.5 | 6.2 | 0.81 | 1340 | 7.18 | 0.10 | 28.7 | 43.5 | 1930 |
| R615271 | | 4.49 | 14.10 | 0.13 | 2.4 | 0.058 | 2.72 | 35.4 | 5.3 | 0.88 | 1500 | 7.78 | 0.10 | 25.2 | 42.8 | 2010 |
| R615272 | | 6.76 | 11.90 | 0.12 | 2.8 | 0.053 | 2.10 | 35.9 | 4.6 | 1.08 | 1920 | 11.50 | 0.08 | 18.7 | 53.2 | 1810 |
| R615273 | | 5.14 | 13.55 | 0.11 | 2.7 | 0.045 | 2.57 | 28.4 | 5.0 | 0.67 | 1580 | 12.40 | 0.10 | 23.1 | 43.1 | 1150 |
| R615274 | | 8.71 | 13.40 | 0.11 | 3.7 | 0.051 | 2.36 | 33.6 | 5.4 | 0.71 | 1880 | 20.1 | 0.09 | 19.1 | 77.6 | 1120 |
| R615275 | | 5.66 | 12.95 | 0.14 | 2.5 | 0.047 | 2.48 | 32.5 | 4.9 | 1.09 | 1840 | 10.20 | 0.09 | 23.4 | 42.3 | 1440 |
| R615276 | | 6.89 | 13.05 | 0.11 | 2.6 | 0.045 | 2.34 | 33.4 | 5.5 | 0.72 | 2150 | 17.20 | 0.09 | 20.9 | 61.4 | 1470 |
| R615277 | | 7.28 | 12.35 | 0.12 | 2.5 | 0.047 | 2.34 | 31.8 | 5.1 | 0.76 | 2290 | 16.80 | 0.09 | 19.2 | 63.6 | 1470 |
| R615278 | | 5.90 | 18.00 | 0.13 | 3.1 | 0.061 | 3.21 | 37.6 | 7.1 | 0.83 | 2250 | 13.10 | 0.13 | 29.5 | 46.7 | 1260 |
| R615279 | | 6.29 | 12.95 | 0.13 | 2.3 | 0.051 | 2.37 | 37.1 | 4.9 | 1.66 | 2390 | 5.57 | 0.10 | 21.2 | 39.2 | 1580 |
| R615280 | | 7.35 | 14.55 | 0.11 | 3.1 | 0.050 | 2.50 | 42.0 | 6.5 | 1.25 | 2030 | 12.70 | 0.10 | 20.6 | 67.7 | 1860 |

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

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**Finalized Date: 28-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197159

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R615241 | | 5.0 | 56.8 | 0.003 | 0.17 | 7.07 | 7.9 | 4 | 13.3 | 95.4 | 0.67 | 0.22 | 5.55 | 0.216 | 0.52 | 4.2 |
| R615242 | | 19.2 | 75.9 | 0.002 | 0.07 | 2.40 | 8.7 | 1 | 9.3 | 53.0 | 1.05 | 0.14 | 5.95 | 0.324 | 0.52 | 4.1 |
| R615243 | | 29.4 | 79.4 | <0.002 | 0.10 | 3.08 | 7.8 | 4 | 9.2 | 61.7 | 1.72 | 0.30 | 6.59 | 0.233 | 0.57 | 5.6 |
| R615244 | | 5.2 | 80.9 | <0.002 | 0.04 | 1.80 | 8.9 | 1 | 8.2 | 46.1 | 1.20 | 0.10 | 6.36 | 0.354 | 0.50 | 3.3 |
| R615245 | | 4.1 | 112.5 | 0.002 | 0.05 | 2.26 | 13.1 | 2 | 10.3 | 54.8 | 1.83 | 0.09 | 8.70 | 0.527 | 0.64 | 3.7 |
| R615246 | | 12.8 | 124.0 | <0.002 | 0.08 | 2.66 | 14.4 | 2 | 10.5 | 59.7 | 1.79 | 0.11 | 9.72 | 0.571 | 0.72 | 3.6 |
| R615247 | | 14.1 | 118.0 | 0.003 | 0.08 | 3.01 | 14.2 | 2 | 9.7 | 53.7 | 1.55 | 0.10 | 8.56 | 0.514 | 0.68 | 3.5 |
| R615248 | | 5.0 | 131.0 | 0.002 | 0.13 | 3.15 | 15.2 | 2 | 11.1 | 60.4 | 1.69 | 0.07 | 9.43 | 0.572 | 0.73 | 4.2 |
| R615249 | | 1440 | 31.7 | 0.011 | 0.51 | 114.0 | 7.0 | 3 | 1.8 | 212 | 0.41 | 0.07 | 2.98 | 0.202 | 0.37 | 1.7 |
| R615250 | | 7.2 | 144.5 | <0.002 | 0.06 | 3.80 | 17.1 | 2 | 10.9 | 52.7 | 1.99 | 0.08 | 9.85 | 0.643 | 0.80 | 4.6 |
| R615251 | | 13.8 | 119.5 | 0.003 | 0.10 | 3.54 | 14.8 | 1 | 6.7 | 56.8 | 1.55 | 0.07 | 8.73 | 0.529 | 0.70 | 3.6 |
| R615252 | | 5.6 | 121.0 | <0.002 | 0.13 | 0.99 | 13.5 | 1 | 5.6 | 63.9 | 1.82 | <0.05 | 10.10 | 0.581 | 0.63 | 2.9 |
| R615253 | | 10.9 | 85.9 | 0.004 | 0.13 | 1.21 | 9.6 | 2 | 4.3 | 53.5 | 1.30 | 0.06 | 7.53 | 0.408 | 0.53 | 3.1 |
| R615254 | | 6.4 | 125.5 | 0.002 | 0.14 | 1.42 | 14.4 | 2 | 5.7 | 66.7 | 1.56 | 0.08 | 8.17 | 0.538 | 0.71 | 3.5 |
| R615255 | | 3.4 | 113.0 | 0.002 | 0.08 | 0.70 | 12.0 | 1 | 5.7 | 85.9 | 1.93 | <0.05 | 11.05 | 0.595 | 0.65 | 3.0 |
| R615256 | | 5.5 | 126.0 | 0.003 | 0.06 | 0.85 | 12.5 | 1 | 6.8 | 72.9 | 1.98 | <0.05 | 11.35 | 0.607 | 0.67 | 3.1 |
| R615257 | | <0.5 | 1.1 | <0.002 | <0.01 | 0.05 | 0.2 | 1 | <0.2 | 78.3 | <0.05 | <0.05 | 0.10 | 0.006 | <0.02 | 0.2 |
| R615258 | | 8.3 | 97.0 | 0.002 | 0.07 | 0.81 | 9.9 | 1 | 5.1 | 84.3 | 1.45 | <0.05 | 8.42 | 0.443 | 0.55 | 2.4 |
| R615259 | | 6.7 | 88.9 | <0.002 | 0.07 | 0.87 | 9.5 | 1 | 4.3 | 85.5 | 1.37 | <0.05 | 8.33 | 0.440 | 0.51 | 2.1 |
| R615260 | | 7.7 | 127.0 | 0.002 | 0.08 | 1.85 | 14.0 | 2 | 5.5 | 66.3 | 2.05 | 0.06 | 10.65 | 0.635 | 0.76 | 4.6 |
| R615261 | | 11.5 | 89.2 | 0.004 | 0.08 | 0.91 | 10.2 | 1 | 4.5 | 50.2 | 1.73 | <0.05 | 5.67 | 0.551 | 0.51 | 2.8 |
| R615262 | | 6.3 | 117.0 | 0.003 | 0.15 | 1.26 | 14.2 | 1 | 4.9 | 66.9 | 1.64 | <0.05 | 9.02 | 0.569 | 0.70 | 2.8 |
| R615263 | | 9.4 | 127.5 | 0.002 | 0.10 | 2.24 | 15.3 | 1 | 5.6 | 60.2 | 1.87 | 0.05 | 10.10 | 0.598 | 0.77 | 3.9 |
| R615264 | | 25.1 | 62.5 | <0.002 | 0.11 | 5.09 | 9.2 | 2 | 2.7 | 40.4 | 0.58 | 0.08 | 5.09 | 0.207 | 0.36 | 2.7 |
| R615265 | | 23.8 | 59.2 | <0.002 | 0.11 | 4.68 | 8.8 | 2 | 2.5 | 39.6 | 0.51 | 0.08 | 4.90 | 0.193 | 0.34 | 2.6 |
| R615266 | | 18.7 | 113.0 | <0.002 | 0.15 | 2.72 | 15.8 | 2 | 4.7 | 67.3 | 1.47 | 0.05 | 9.20 | 0.503 | 0.62 | 3.7 |
| R615267 | | 7.5 | 116.0 | <0.002 | 0.04 | 1.86 | 15.7 | 1 | 5.0 | 56.8 | 1.60 | 0.06 | 7.67 | 0.560 | 0.61 | 3.6 |
| R615268 | | 10.3 | 103.5 | <0.002 | 0.06 | 3.21 | 14.2 | 1 | 4.3 | 56.8 | 1.55 | 0.07 | 7.54 | 0.521 | 0.54 | 3.6 |
| R615269 | | 32.7 | 110.0 | <0.002 | 4.06 | 23.5 | 22.4 | 16 | 1.8 | 185.0 | 0.34 | 0.12 | 4.12 | 0.420 | 1.97 | 2.0 |
| R615270 | | 17.0 | 116.5 | <0.002 | 0.07 | 2.47 | 15.6 | 1 | 4.7 | 54.0 | 1.55 | 0.07 | 8.38 | 0.548 | 0.64 | 3.6 |
| R615271 | | 19.9 | 104.0 | <0.002 | 0.09 | 2.95 | 13.6 | 1 | 4.2 | 54.4 | 1.32 | 0.06 | 7.84 | 0.484 | 0.59 | 3.2 |
| R615272 | | 19.0 | 84.1 | <0.002 | 0.09 | 3.75 | 11.1 | 2 | 3.3 | 62.0 | 0.98 | 0.05 | 7.96 | 0.346 | 0.47 | 3.4 |
| R615273 | | 9.4 | 98.4 | <0.002 | 0.05 | 2.77 | 12.7 | 1 | 3.9 | 43.5 | 1.25 | <0.05 | 8.22 | 0.416 | 0.54 | 3.5 |
| R615274 | | 9.7 | 94.2 | <0.002 | 0.06 | 3.94 | 13.0 | 1 | 3.6 | 44.1 | 1.01 | 0.06 | 8.55 | 0.338 | 0.53 | 4.9 |
| R615275 | | 6.3 | 96.6 | <0.002 | 0.11 | 1.51 | 12.3 | 2 | 3.7 | 59.3 | 1.25 | 0.05 | 7.98 | 0.422 | 0.55 | 3.3 |
| R615276 | | 6.0 | 95.2 | 0.002 | 0.09 | 2.02 | 11.9 | 1 | 3.3 | 50.2 | 1.07 | 0.05 | 7.88 | 0.369 | 0.51 | 4.0 |
| R615277 | | 6.3 | 91.5 | <0.002 | 0.10 | 1.99 | 11.2 | 1 | 3.1 | 49.1 | 1.01 | <0.05 | 7.87 | 0.360 | 0.52 | 3.9 |
| R615278 | | 3.9 | 133.0 | 0.002 | 0.08 | 1.03 | 16.6 | 1 | 4.8 | 55.2 | 1.60 | <0.05 | 9.98 | 0.510 | 0.73 | 4.6 |
| R615279 | | 4.8 | 92.3 | <0.002 | 0.21 | 1.39 | 12.2 | 1 | 3.4 | 79.1 | 1.16 | <0.05 | 7.94 | 0.393 | 0.50 | 3.4 |
| R615280 | | 7.8 | 104.0 | 0.002 | 0.10 | 1.04 | 13.3 | 1 | 3.5 | 67.7 | 1.09 | 0.05 | 9.29 | 0.378 | 0.58 | 4.9 |

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

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**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197159

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R615241 | | 152 | 5.6 | 7.7 | 19 | 125.0 |
| R615242 | | 188 | 4.9 | 10.1 | 16 | 93.7 |
| R615243 | | 141 | 3.7 | 14.4 | 20 | 137.5 |
| R615244 | | 172 | 4.6 | 8.9 | 15 | 93.0 |
| R615245 | | 179 | 6.2 | 12.5 | 17 | 119.5 |
| R615246 | | 242 | 6.8 | 15.0 | 27 | 127.0 |
| R615247 | | 196 | 6.2 | 12.3 | 21 | 117.5 |
| R615248 | | 211 | 7.0 | 11.7 | 19 | 120.0 |
| R615249 | | 54 | 15.0 | 18.2 | 2630 | 60.8 |
| R615250 | | 213 | 8.0 | 12.0 | 29 | 144.0 |
| R615251 | | 138 | 5.3 | 13.4 | 49 | 116.0 |
| R615252 | | 139 | 5.0 | 14.0 | 18 | 124.5 |
| R615253 | | 136 | 3.8 | 12.2 | 20 | 94.9 |
| R615254 | | 175 | 5.2 | 15.2 | 22 | 120.5 |
| R615255 | | 124 | 5.1 | 15.0 | 16 | 127.5 |
| R615256 | | 134 | 5.6 | 16.2 | 24 | 133.0 |
| R615257 | | 2 | <0.1 | 2.1 | 3 | 1.9 |
| R615258 | | 99 | 4.4 | 11.7 | 31 | 99.1 |
| R615259 | | 92 | 3.9 | 11.8 | 28 | 92.2 |
| R615260 | | 148 | 5.2 | 16.4 | 34 | 170.0 |
| R615261 | | 105 | 4.8 | 10.9 | 30 | 100.0 |
| R615262 | | 125 | 4.9 | 13.4 | 26 | 108.0 |
| R615263 | | 218 | 5.8 | 14.1 | 52 | 138.5 |
| R615264 | | 85 | 2.2 | 10.2 | 113 | 87.1 |
| R615265 | | 83 | 2.0 | 10.3 | 110 | 84.3 |
| R615266 | | 143 | 4.6 | 15.9 | 100 | 134.0 |
| R615267 | | 153 | 4.6 | 14.2 | 30 | 118.0 |
| R615268 | | 138 | 4.0 | 13.4 | 55 | 113.0 |
| R615269 | | 205 | 2.0 | 16.2 | 151 | 63.5 |
| R615270 | | 164 | 4.2 | 10.8 | 55 | 115.5 |
| R615271 | | 161 | 3.7 | 10.9 | 171 | 107.5 |
| R615272 | | 169 | 3.2 | 13.0 | 235 | 134.5 |
| R615273 | | 178 | 3.2 | 9.3 | 48 | 129.0 |
| R615274 | | 146 | 3.0 | 11.5 | 63 | 186.0 |
| R615275 | | 136 | 3.0 | 10.6 | 38 | 112.0 |
| R615276 | | 176 | 2.7 | 11.6 | 46 | 143.5 |
| R615277 | | 177 | 2.6 | 10.7 | 48 | 136.0 |
| R615278 | | 168 | 3.6 | 11.1 | 34 | 147.5 |
| R615279 | | 109 | 2.7 | 10.5 | 31 | 114.5 |
| R615280 | | 172 | 3.1 | 12.1 | 35 | 145.5 |

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

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

Project: Rau


**Finalized Date: 28-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20197159

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**Finalized Date: 28-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20197161

Project: Rau

P.O. No.: R20-D09

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 28-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197161

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233201 | | 0.77 | 0.02 | 0.07 | 7.28 | 484 | 2490 | 2.48 | 2.07 | 0.33 | 0.20 | 83.8 | 25.0 | 91 | 5.67 | 45.8 |
| W233202 | | 1.85 | 0.05 | 0.07 | 7.85 | 428 | 2660 | 2.59 | 3.20 | 0.45 | 0.06 | 106.0 | 16.1 | 96 | 5.27 | 42.8 |
| W233203 | | 5.14 | 0.15 | 2.59 | 8.24 | 694 | 2920 | 2.72 | 3.63 | 0.42 | 0.08 | 108.5 | 21.5 | 91 | 5.47 | 58.8 |
| W233204 | | 7.80 | 0.16 | 1.79 | 8.30 | 711 | 2820 | 2.46 | 5.34 | 0.19 | 0.04 | 103.0 | 15.3 | 90 | 5.18 | 44.5 |
| W233205 | | 4.19 | 0.15 | 1.72 | 7.92 | 621 | 2560 | 2.84 | 4.89 | 0.17 | <0.02 | 100.5 | 11.0 | 93 | 5.14 | 41.4 |
| W233206 | | 0.16 | 0.72 | 1.69 | 7.23 | 28.3 | 870 | 1.07 | 0.24 | 1.85 | 1.10 | 25.6 | 5.2 | 13 | 0.34 | 42.5 |
| W233207 | | 0.67 | 1.60 | 1.46 | 7.01 | 5360 | 2070 | 2.21 | 20.8 | 0.53 | <0.02 | 91.5 | 4.6 | 80 | 5.26 | 8.4 |
| W233208 | | 0.93 | 0.09 | 0.22 | 7.64 | 584 | 2290 | 2.81 | 2.87 | 0.18 | 0.10 | 110.0 | 16.7 | 72 | 4.92 | 70.0 |
| W233209 | | 1.86 | 0.04 | 0.19 | 7.24 | 188.0 | 2070 | 2.40 | 4.44 | 0.07 | <0.02 | 86.9 | 1.9 | 91 | 4.27 | 10.7 |
| W233210 | | 0.76 | 0.05 | 0.04 | 7.14 | 190.0 | 2090 | 2.56 | 1.10 | 0.03 | <0.02 | 69.2 | 1.8 | 83 | 4.58 | 5.3 |
| W233211 | | 8.65 | 0.24 | 0.20 | 6.85 | 1650 | 2110 | 2.48 | 3.20 | 0.09 | <0.02 | 100.0 | 15.3 | 68 | 3.92 | 41.4 |
| W233212 | | 2.81 | 0.16 | 0.07 | 6.12 | 1395 | 1840 | 2.27 | 1.80 | 0.11 | <0.02 | 77.3 | 21.7 | 65 | 3.48 | 59.8 |
| W233213 | | <0.02 | 0.11 | 0.09 | 5.97 | 1350 | 1790 | 2.16 | 1.77 | 0.11 | <0.02 | 78.6 | 21.2 | 64 | 3.43 | 57.7 |
| W233214 | | 4.35 | 0.03 | 0.04 | 6.66 | 786 | 2080 | 2.27 | 0.55 | 0.14 | 0.05 | 80.9 | 15.0 | 74 | 3.80 | 26.5 |
| W233215 | | 1.89 | 0.02 | 0.07 | 7.85 | 472 | 2500 | 2.54 | 0.96 | 0.28 | 0.06 | 85.0 | 18.6 | 79 | 4.76 | 40.1 |
| W233216 | | 0.94 | 0.05 | 0.14 | 5.94 | 517 | 1840 | 2.11 | 2.20 | 0.25 | 0.12 | 65.7 | 28.2 | 63 | 3.48 | 85.3 |
| W233217 | | 2.66 | 0.07 | 0.03 | 7.22 | 97.7 | 2320 | 2.37 | 0.40 | 1.56 | <0.02 | 72.1 | 7.3 | 73 | 4.09 | 11.7 |
| W233218 | | 2.97 | 0.02 | <0.01 | 7.50 | 64.8 | 2470 | 2.36 | 0.30 | 0.46 | 0.06 | 85.7 | 14.2 | 74 | 4.22 | 8.1 |
| W233219 | | 1.03 | 0.01 | 0.09 | 8.08 | 177.5 | 2730 | 2.66 | 0.85 | 0.13 | 0.04 | 92.7 | 7.3 | 74 | 4.77 | 25.5 |
| W233220 | | 0.47 | 0.02 | 0.05 | 4.50 | 149.0 | 1370 | 1.58 | 0.34 | 0.25 | 0.10 | 55.8 | 18.8 | 45 | 2.24 | 16.2 |
| W233221 | | 3.81 | 0.08 | 0.03 | 8.06 | 208 | 2590 | 2.66 | 0.48 | 0.72 | <0.02 | 106.0 | 16.1 | 67 | 4.27 | 17.3 |
| W233222 | | 1.87 | 0.09 | 0.06 | 6.11 | 299 | 2020 | 2.03 | 0.24 | 0.35 | 0.09 | 84.8 | 9.6 | 49 | 3.30 | 36.4 |
| W233223 | | 0.16 | 5.15 | 11.75 | 6.09 | 710 | 40 | 0.83 | 5.26 | 3.98 | 10.50 | 29.5 | 25.3 | 31 | 1.41 | 2040 |
| W233224 | | 2.65 | 0.02 | 0.05 | 6.77 | 112.0 | 2340 | 2.64 | 0.30 | 3.30 | 0.06 | 89.6 | 5.0 | 60 | 3.88 | 6.5 |
| W233225 | | 0.37 | 0.11 | 0.14 | 5.10 | 430 | 1610 | 1.76 | 0.37 | 0.51 | 0.14 | 75.1 | 26.0 | 43 | 2.81 | 32.4 |
| W233226 | | 1.81 | 0.07 | 0.08 | 8.16 | 1055 | 2590 | 2.67 | 0.83 | 0.51 | 0.24 | 125.5 | 43.9 | 59 | 4.46 | 32.9 |
| W233227 | | 5.12 | <0.01 | <0.01 | 0.12 | 2.4 | 70 | 0.09 | 0.06 | 32.4 | <0.02 | 0.95 | 0.7 | 1 | <0.05 | 1.5 |
| W233228 | | 1.49 | 0.24 | 0.08 | 6.41 | 683 | 2080 | 2.22 | 0.93 | 0.36 | 0.15 | 103.5 | 23.1 | 54 | 3.90 | 28.7 |
| W233229 | | 1.05 | 0.01 | 0.04 | 8.81 | 1180 | 2880 | 2.89 | 0.77 | 0.64 | <0.02 | 142.0 | 33.6 | 63 | 4.62 | 6.7 |
| W233230 | | 1.55 | 0.07 | 0.18 | 8.34 | 731 | 2670 | 2.78 | 3.90 | 0.88 | 0.04 | 132.0 | 34.1 | 65 | 4.38 | 45.0 |
| W233231 | | 1.69 | 0.03 | 0.06 | 8.87 | 329 | 2770 | 2.67 | 0.66 | 1.00 | 0.05 | 102.5 | 15.6 | 53 | 4.53 | 17.5 |
| W233232 | | 1.61 | 0.03 | 0.06 | 8.85 | 290 | 2760 | 2.82 | 0.61 | 0.83 | 0.07 | 102.5 | 15.7 | 54 | 4.74 | 17.8 |
| W233233 | | 2.20 | 0.37 | 0.35 | 7.50 | 503 | 2310 | 2.53 | 1.35 | 0.38 | 0.05 | 97.4 | 16.9 | 52 | 5.18 | 47.6 |
| W233234 | | 1.15 | 0.22 | 0.11 | 5.34 | 459 | 1690 | 1.86 | 1.06 | 0.29 | 0.15 | 87.5 | 26.3 | 45 | 3.22 | 29.1 |
| W233235 | | 3.81 | 0.08 | 0.10 | 7.34 | 813 | 2340 | 2.64 | 0.91 | 0.30 | 0.28 | 113.5 | 19.5 | 57 | 4.73 | 11.0 |
| W233236 | | 0.50 | 0.02 | 0.10 | 4.52 | 275 | 1390 | 1.71 | 0.32 | 0.24 | 0.18 | 63.8 | 4.7 | 41 | 2.76 | 5.9 |
| W233237 | | 2.24 | 0.03 | 0.10 | 6.87 | 620 | 1720 | 2.39 | 0.93 | 0.71 | 0.17 | 114.0 | 13.6 | 61 | 3.36 | 11.4 |
| W233238 | | 2.51 | 0.02 | 0.09 | 5.87 | 474 | 1310 | 2.12 | 0.85 | 0.28 | 0.06 | 81.4 | 7.7 | 66 | 2.56 | 9.2 |
| W233239 | | 1.21 | 0.06 | 0.12 | 4.88 | 1515 | 460 | 1.69 | 0.99 | 0.24 | 0.12 | 50.5 | 4.7 | 66 | 0.82 | 8.7 |
| W233240 | | 2.40 | 0.11 | 0.10 | 6.06 | 1345 | 970 | 1.95 | 0.96 | 0.20 | 0.14 | 77.9 | 3.1 | 74 | 1.95 | 10.8 |

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

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**Finalized Date: 28-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197161

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233201 | | 5.95 | 21.4 | 0.14 | 3.5 | 0.070 | 3.56 | 41.5 | 11.8 | 0.56 | 517 | 1.88 | 0.06 | 24.1 | 58.3 | 2160 |
| W233202 | | 4.91 | 23.2 | 0.16 | 3.6 | 0.083 | 3.70 | 52.5 | 9.7 | 0.53 | 283 | 1.44 | 0.08 | 25.5 | 44.5 | 2610 |
| W233203 | | 5.86 | 23.8 | 0.15 | 3.5 | 0.077 | 4.08 | 53.7 | 11.5 | 0.45 | 674 | 4.18 | 0.09 | 26.1 | 66.1 | 2690 |
| W233204 | | 5.45 | 24.4 | 0.15 | 3.8 | 0.073 | 4.07 | 51.1 | 12.1 | 0.47 | 391 | 3.01 | 0.10 | 28.1 | 43.8 | 1400 |
| W233205 | | 3.54 | 24.0 | 0.15 | 3.6 | 0.065 | 3.83 | 51.2 | 13.3 | 0.53 | 201 | 2.23 | 0.09 | 25.2 | 32.8 | 1170 |
| W233206 | | 2.50 | 13.95 | 0.07 | 2.0 | 0.054 | 1.53 | 12.9 | 2.3 | 0.60 | 748 | 4.97 | 3.44 | 5.9 | 5.9 | 450 |
| W233207 | | 5.72 | 21.2 | 0.16 | 3.7 | 0.054 | 3.26 | 48.1 | 10.9 | 0.55 | 281 | 4.61 | 0.10 | 17.2 | 18.1 | 8080 |
| W233208 | | 3.90 | 21.7 | 0.15 | 3.3 | 0.060 | 3.80 | 55.0 | 12.0 | 0.47 | 191 | 1.16 | 0.07 | 24.0 | 41.5 | 1220 |
| W233209 | | 1.73 | 20.8 | 0.14 | 2.6 | 0.048 | 3.42 | 43.0 | 11.3 | 0.51 | 90 | 0.69 | 0.09 | 19.9 | 10.6 | 350 |
| W233210 | | 1.04 | 21.2 | 0.12 | 2.4 | 0.053 | 3.49 | 35.3 | 10.8 | 0.46 | 36 | 0.72 | 0.07 | 18.3 | 6.1 | 160 |
| W233211 | | 9.27 | 19.75 | 0.18 | 2.5 | 0.050 | 3.39 | 50.9 | 9.0 | 0.35 | 402 | 3.34 | 0.06 | 8.4 | 60.2 | 1850 |
| W233212 | | 12.65 | 16.90 | 0.15 | 1.8 | 0.055 | 3.04 | 39.7 | 8.1 | 0.31 | 671 | 3.29 | 0.05 | 5.2 | 68.1 | 1810 |
| W233213 | | 12.65 | 16.90 | 0.15 | 1.9 | 0.051 | 2.94 | 40.1 | 7.9 | 0.30 | 676 | 3.42 | 0.06 | 5.4 | 69.2 | 1790 |
| W233214 | | 7.17 | 18.55 | 0.13 | 2.0 | 0.059 | 3.33 | 41.1 | 8.7 | 0.32 | 499 | 1.56 | 0.06 | 7.6 | 50.8 | 1220 |
| W233215 | | 4.88 | 21.8 | 0.13 | 2.5 | 0.072 | 3.94 | 42.9 | 9.9 | 0.36 | 323 | 2.36 | 0.06 | 12.2 | 44.9 | 1650 |
| W233216 | | 5.42 | 16.00 | 0.12 | 1.8 | 0.048 | 2.93 | 33.8 | 7.0 | 0.26 | 246 | 3.24 | 0.05 | 7.1 | 51.8 | 1570 |
| W233217 | | 2.67 | 19.55 | 0.13 | 2.4 | 0.059 | 3.65 | 37.5 | 8.8 | 0.36 | 1040 | 0.62 | 0.06 | 15.0 | 19.0 | 720 |
| W233218 | | 3.13 | 20.3 | 0.13 | 2.5 | 0.069 | 3.74 | 44.1 | 8.9 | 0.31 | 1040 | 0.53 | 0.06 | 17.6 | 33.7 | 1100 |
| W233219 | | 2.47 | 22.6 | 0.14 | 3.0 | 0.070 | 4.07 | 46.9 | 9.5 | 0.33 | 260 | 0.57 | 0.08 | 26.5 | 19.3 | 1080 |
| W233220 | | 4.05 | 11.35 | 0.13 | 1.5 | 0.047 | 2.14 | 30.0 | 5.0 | 0.18 | 2180 | 1.27 | 0.04 | 11.6 | 43.9 | 1080 |
| W233221 | | 3.42 | 21.4 | 0.25 | 3.0 | 0.071 | 3.91 | 56.1 | 9.5 | 0.33 | 1480 | 0.55 | 0.06 | 27.4 | 24.9 | 1720 |
| W233222 | | 3.94 | 16.60 | 0.19 | 2.1 | 0.054 | 2.94 | 45.2 | 7.8 | 0.28 | 459 | 0.68 | 0.05 | 20.8 | 25.7 | 1560 |
| W233223 | | 10.15 | 13.85 | 0.14 | 0.9 | 1.150 | 1.86 | 14.5 | 10.4 | 1.24 | 999 | 28.4 | 1.67 | 3.3 | 15.8 | 1060 |
| W233224 | | 2.92 | 20.3 | 0.21 | 3.0 | 0.068 | 3.50 | 45.7 | 10.2 | 0.42 | 2000 | 0.54 | 0.06 | 33.8 | 17.9 | 1470 |
| W233225 | | 4.23 | 13.80 | 0.18 | 1.8 | 0.047 | 2.44 | 39.5 | 7.1 | 0.26 | 2200 | 0.82 | 0.04 | 16.9 | 50.8 | 1370 |
| W233226 | | 4.71 | 22.3 | 0.25 | 2.5 | 0.070 | 3.83 | 68.8 | 11.7 | 0.36 | 2340 | 1.47 | 0.06 | 31.4 | 69.9 | 2310 |
| W233227 | | 0.10 | 0.43 | 0.07 | 0.1 | <0.005 | 0.05 | 1.1 | 1.2 | 1.49 | 90 | 0.05 | 0.05 | 0.3 | 0.5 | 70 |
| W233228 | | 4.41 | 17.70 | 0.17 | 2.3 | 0.064 | 3.10 | 57.5 | 8.9 | 0.35 | 1880 | 1.50 | 0.06 | 18.9 | 46.6 | 1370 |
| W233229 | | 2.68 | 24.4 | 0.28 | 3.9 | 0.085 | 4.28 | 76.7 | 10.6 | 0.40 | 1720 | 2.12 | 0.08 | 40.5 | 19.6 | 2500 |
| W233230 | | 5.56 | 23.9 | 0.22 | 3.0 | 0.085 | 4.01 | 70.4 | 10.2 | 0.39 | 1920 | 2.20 | 0.07 | 21.1 | 58.8 | 2160 |
| W233231 | | 3.96 | 24.1 | 0.21 | 2.6 | 0.074 | 4.24 | 55.0 | 11.1 | 0.46 | 1480 | 0.78 | 0.07 | 26.5 | 33.1 | 1930 |
| W233232 | | 3.91 | 27.3 | 0.22 | 2.6 | 0.084 | 4.30 | 55.4 | 11.6 | 0.42 | 1390 | 0.74 | 0.07 | 26.6 | 30.9 | 1840 |
| W233233 | | 5.55 | 21.1 | 0.20 | 2.1 | 0.077 | 3.66 | 51.9 | 13.1 | 0.49 | 1300 | 0.80 | 0.06 | 17.2 | 32.9 | 1810 |
| W233234 | | 4.92 | 15.55 | 0.15 | 2.4 | 0.063 | 2.56 | 46.1 | 8.9 | 0.34 | 2310 | 1.78 | 0.05 | 19.8 | 49.3 | 1130 |
| W233235 | | 6.68 | 20.9 | 0.21 | 3.0 | 0.069 | 3.54 | 60.9 | 10.8 | 0.48 | 1050 | 1.68 | 0.06 | 21.8 | 40.2 | 1660 |
| W233236 | | 1.94 | 13.10 | 0.13 | 1.6 | 0.035 | 2.12 | 34.4 | 6.5 | 0.31 | 243 | 0.58 | 0.04 | 15.3 | 16.5 | 930 |
| W233237 | | 3.77 | 19.80 | 0.19 | 2.6 | 0.057 | 2.94 | 60.4 | 8.7 | 0.72 | 436 | 1.06 | 0.11 | 21.9 | 28.6 | 1580 |
| W233238 | | 3.07 | 17.20 | 0.18 | 2.1 | 0.044 | 2.34 | 42.4 | 7.1 | 0.58 | 187 | 1.41 | 0.12 | 16.7 | 17.8 | 920 |
| W233239 | | 4.23 | 14.60 | 0.13 | 1.9 | 0.020 | 0.81 | 26.5 | 4.2 | 1.05 | 183 | 1.80 | 0.25 | 13.0 | 9.5 | 870 |
| W233240 | | 3.27 | 18.15 | 0.17 | 2.0 | 0.043 | 1.72 | 41.1 | 7.1 | 0.97 | 195 | 1.37 | 0.22 | 15.2 | 7.6 | 710 |

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

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Project: Rau

# CERTIFICATE OF ANALYSIS WH20197161

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233201 | | 2.0 | 149.5 | <0.002 | 0.11 | 0.80 | 15.8 | 1 | 12.2 | 52.4 | 1.28 | <0.05 | 9.76 | 0.640 | 0.85 | 3.9 |
| W233202 | | 2.0 | 149.5 | <0.002 | 0.03 | 0.78 | 16.8 | 1 | 13.2 | 49.0 | 1.30 | 0.06 | 12.75 | 0.683 | 0.84 | 4.4 |
| W233203 | | 2.4 | 162.5 | <0.002 | 0.02 | 1.15 | 16.7 | 1 | 14.5 | 49.2 | 1.35 | 0.08 | 11.65 | 0.634 | 0.91 | 4.2 |
| W233204 | | 2.6 | 156.5 | <0.002 | 0.03 | 1.61 | 16.8 | 1 | 15.7 | 40.1 | 1.49 | 0.13 | 11.00 | 0.673 | 0.90 | 4.1 |
| W233205 | | 1.8 | 150.5 | <0.002 | 0.03 | 1.35 | 16.5 | 1 | 19.0 | 40.3 | 1.33 | 0.08 | 11.70 | 0.588 | 0.84 | 3.5 |
| W233206 | | 124.5 | 29.5 | <0.002 | 0.12 | 14.90 | 7.3 | 1 | 1.1 | 211 | 0.40 | 0.05 | 2.73 | 0.205 | 0.41 | 1.3 |
| W233207 | | 3.9 | 129.0 | <0.002 | 0.14 | 3.06 | 18.9 | 3 | 19.5 | 146.0 | 0.83 | 0.16 | 16.70 | 0.375 | 1.16 | 5.7 |
| W233208 | | 1.9 | 148.0 | <0.002 | 0.02 | 1.05 | 14.3 | 2 | 14.4 | 28.6 | 1.27 | 0.09 | 14.95 | 0.457 | 0.73 | 3.6 |
| W233209 | | 1.5 | 135.5 | <0.002 | 0.01 | 1.09 | 14.4 | 1 | 17.6 | 28.7 | 1.15 | 0.07 | 10.45 | 0.542 | 0.64 | 2.4 |
| W233210 | | 1.2 | 142.0 | <0.002 | 0.02 | 0.75 | 13.6 | <1 | 17.2 | 25.0 | 1.07 | <0.05 | 8.89 | 0.487 | 0.69 | 2.1 |
| W233211 | | 2.0 | 133.0 | <0.002 | 0.08 | 1.59 | 12.4 | 2 | 15.2 | 55.4 | 0.44 | 0.09 | 16.00 | 0.209 | 0.67 | 5.1 |
| W233212 | | 1.5 | 120.5 | <0.002 | 0.06 | 1.04 | 11.2 | 1 | 11.7 | 31.6 | 0.28 | 0.05 | 12.10 | 0.146 | 0.56 | 3.9 |
| W233213 | | 1.6 | 117.5 | <0.002 | 0.05 | 1.01 | 11.2 | 1 | 11.6 | 32.9 | 0.28 | 0.05 | 12.35 | 0.146 | 0.57 | 3.8 |
| W233214 | | 1.1 | 132.0 | <0.002 | 0.04 | 0.65 | 12.6 | 1 | 12.8 | 26.9 | 0.42 | <0.05 | 13.60 | 0.209 | 0.63 | 2.9 |
| W233215 | | 1.6 | 155.5 | <0.002 | 0.03 | 0.65 | 14.9 | 1 | 13.0 | 31.5 | 0.71 | <0.05 | 13.15 | 0.334 | 0.79 | 2.7 |
| W233216 | | 1.9 | 115.5 | <0.002 | 0.01 | 0.94 | 11.0 | 2 | 8.9 | 22.0 | 0.42 | 0.11 | 9.05 | 0.210 | 0.57 | 2.5 |
| W233217 | | 1.5 | 138.5 | <0.002 | 0.01 | 0.63 | 13.5 | 1 | 11.9 | 26.7 | 0.85 | <0.05 | 10.75 | 0.398 | 0.68 | 2.1 |
| W233218 | | 1.2 | 145.5 | <0.002 | 0.01 | 0.51 | 14.2 | 1 | 11.7 | 28.8 | 0.94 | <0.05 | 11.30 | 0.430 | 0.70 | 2.4 |
| W233219 | | 1.9 | 159.5 | <0.002 | 0.01 | 0.72 | 16.1 | 1 | 13.6 | 29.6 | 1.42 | 0.05 | 11.85 | 0.594 | 0.79 | 3.2 |
| W233220 | | 2.7 | 85.5 | <0.002 | 0.01 | 0.72 | 8.5 | 1 | 8.0 | 20.4 | 0.58 | <0.05 | 6.53 | 0.268 | 0.41 | 1.8 |
| W233221 | | 1.4 | 159.5 | <0.002 | 0.01 | 0.83 | 16.7 | 1 | 16.6 | 31.9 | 1.36 | <0.05 | 13.45 | 0.578 | 0.71 | 2.7 |
| W233222 | | 1.4 | 120.0 | <0.002 | 0.01 | 0.68 | 13.1 | 2 | 13.7 | 25.9 | 0.99 | <0.05 | 8.37 | 0.427 | 0.54 | 2.1 |
| W233223 | | 783 | 54.2 | 0.022 | 7.35 | 64.7 | 9.0 | 24 | 3.8 | 466 | 0.18 | 0.53 | 3.16 | 0.231 | 3.72 | 1.8 |
| W233224 | | 1.7 | 125.5 | <0.002 | 0.01 | 0.83 | 14.3 | 1 | 19.0 | 34.0 | 1.71 | <0.05 | 11.55 | 0.610 | 0.66 | 2.3 |
| W233225 | | 4.6 | 101.5 | <0.002 | 0.02 | 0.88 | 10.9 | 1 | 11.2 | 23.5 | 0.80 | <0.05 | 7.52 | 0.351 | 0.46 | 2.0 |
| W233226 | | 7.3 | 158.5 | <0.002 | 0.01 | 1.13 | 16.5 | 1 | 18.9 | 40.2 | 1.53 | 0.05 | 12.60 | 0.622 | 0.76 | 2.7 |
| W233227 | | 0.6 | 1.5 | <0.002 | 0.01 | 0.06 | 0.2 | 1 | <0.2 | 77.9 | <0.05 | <0.05 | 0.08 | 0.006 | 0.02 | 0.2 |
| W233228 | | 3.6 | 128.5 | <0.002 | 0.01 | 0.93 | 13.1 | 1 | 13.9 | 28.0 | 0.88 | <0.05 | 9.78 | 0.350 | 0.55 | 2.1 |
| W233229 | | 1.5 | 173.0 | <0.002 | 0.01 | 1.15 | 18.9 | 1 | 24.8 | 39.8 | 1.99 | 0.05 | 16.55 | 0.672 | 0.79 | 3.3 |
| W233230 | | 5.9 | 169.5 | <0.002 | 0.01 | 2.09 | 19.5 | 2 | 19.4 | 37.4 | 1.02 | 0.11 | 14.60 | 0.403 | 0.78 | 2.9 |
| W233231 | | 1.8 | 177.0 | 0.007 | 0.03 | 0.87 | 20.8 | 2 | 18.8 | 38.0 | 1.24 | <0.05 | 11.60 | 0.533 | 0.83 | 2.6 |
| W233232 | | 1.7 | 183.5 | 0.002 | 0.01 | 0.85 | 21.9 | 1 | 19.0 | 37.0 | 1.22 | <0.05 | 11.60 | 0.515 | 0.86 | 2.5 |
| W233233 | | 5.8 | 167.0 | <0.002 | 0.02 | 1.21 | 18.1 | 2 | 18.1 | 31.0 | 0.71 | <0.05 | 9.93 | 0.320 | 0.79 | 2.2 |
| W233234 | | 7.8 | 114.0 | <0.002 | 0.02 | 1.03 | 12.6 | 2 | 16.8 | 28.3 | 1.02 | <0.05 | 11.40 | 0.300 | 0.53 | 2.3 |
| W233235 | | 2.2 | 156.0 | 0.002 | 0.02 | 1.54 | 15.0 | 1 | 19.5 | 28.6 | 1.00 | <0.05 | 13.15 | 0.367 | 0.69 | 2.9 |
| W233236 | | 2.3 | 93.3 | <0.002 | 0.01 | 0.81 | 8.7 | 1 | 14.0 | 18.0 | 0.77 | <0.05 | 6.87 | 0.295 | 0.38 | 1.4 |
| W233237 | | 4.2 | 125.0 | <0.002 | 0.02 | 1.16 | 13.8 | 1 | 24.7 | 36.2 | 1.06 | 0.06 | 13.20 | 0.432 | 0.55 | 2.6 |
| W233238 | | 6.7 | 101.0 | <0.002 | 0.03 | 1.11 | 11.2 | 1 | 18.9 | 35.3 | 0.81 | 0.06 | 11.65 | 0.353 | 0.43 | 2.3 |
| W233239 | | 2.8 | 35.2 | <0.002 | 0.04 | 0.88 | 8.7 | 2 | 12.9 | 62.9 | 0.65 | 0.22 | 9.40 | 0.312 | 0.17 | 2.1 |
| W233240 | | 2.5 | 75.1 | <0.002 | 0.05 | 0.65 | 13.0 | 2 | 19.0 | 61.0 | 0.77 | 0.18 | 9.19 | 0.357 | 0.32 | 2.1 |

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

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


**Finalized Date: 28-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197161

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233201 | | 175 | 5.8 | 17.4 | 23 | 144.0 |
| W233202 | | 186 | 6.4 | 16.8 | 19 | 155.5 |
| W233203 | | 177 | 12.6 | 16.0 | 20 | 154.0 |
| W233204 | | 175 | 11.4 | 12.8 | 14 | 163.0 |
| W233205 | | 162 | 10.1 | 11.6 | 11 | 146.5 |
| W233206 | | 40 | 15.7 | 17.6 | 210 | 63.7 |
| W233207 | | 145 | 9.1 | 7.1 | 9 | 194.0 |
| W233208 | | 139 | 7.2 | 15.4 | 15 | 138.5 |
| W233209 | | 136 | 7.1 | 8.5 | 7 | 105.0 |
| W233210 | | 143 | 6.7 | 6.0 | 5 | 99.1 |
| W233211 | | 128 | 4.1 | 9.1 | 16 | 107.5 |
| W233212 | | 105 | 3.2 | 10.7 | 25 | 80.1 |
| W233213 | | 100 | 3.2 | 11.1 | 26 | 82.6 |
| W233214 | | 121 | 3.6 | 8.9 | 31 | 84.5 |
| W233215 | | 155 | 4.8 | 9.6 | 22 | 101.5 |
| W233216 | | 132 | 3.4 | 8.4 | 16 | 73.5 |
| W233217 | | 141 | 5.2 | 8.2 | 12 | 100.0 |
| W233218 | | 146 | 5.6 | 10.2 | 15 | 103.0 |
| W233219 | | 157 | 7.9 | 10.6 | 12 | 134.0 |
| W233220 | | 85 | 3.7 | 9.1 | 29 | 71.5 |
| W233221 | | 164 | 7.4 | 12.4 | 19 | 123.5 |
| W233222 | | 128 | 5.7 | 10.5 | 33 | 102.5 |
| W233223 | | 128 | 7.6 | 10.8 | 2060 | 32.5 |
| W233224 | | 143 | 8.2 | 12.4 | 19 | 130.0 |
| W233225 | | 106 | 4.7 | 10.8 | 33 | 78.0 |
| W233226 | | 162 | 8.0 | 18.3 | 58 | 119.5 |
| W233227 | | 1 | <0.1 | 1.9 | 3 | 1.8 |
| W233228 | | 128 | 5.0 | 13.7 | 54 | 101.0 |
| W233229 | | 211 | 9.9 | 17.6 | 17 | 170.5 |
| W233230 | | 213 | 6.8 | 18.9 | 37 | 130.5 |
| W233231 | | 209 | 7.4 | 16.8 | 33 | 115.5 |
| W233232 | | 207 | 7.3 | 16.6 | 31 | 114.0 |
| W233233 | | 166 | 5.0 | 13.5 | 38 | 92.3 |
| W233234 | | 111 | 4.4 | 12.9 | 48 | 103.0 |
| W233235 | | 139 | 5.0 | 15.1 | 189 | 135.5 |
| W233236 | | 88 | 4.7 | 8.3 | 61 | 69.3 |
| W233237 | | 129 | 7.2 | 13.8 | 54 | 119.0 |
| W233238 | | 109 | 5.9 | 8.5 | 26 | 96.7 |
| W233239 | | 95 | 5.0 | 4.9 | 23 | 82.9 |
| W233240 | | 124 | 6.0 | 6.7 | 18 | 87.6 |

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

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

Project: Rau


**Finalized Date: 28-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20197161

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20197163

Project: Rau

P.O. No.: R20-D10

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197163

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613301 | | 2.75 | 0.01 | 0.11 | 5.98 | 73.9 | 2180 | 1.87 | 2.45 | 5.78 | 0.16 | 88.4 | 15.0 | 103 | 3.26 | 59.6 |
| R613302 | | 3.50 | 0.02 | 0.11 | 5.66 | 63.4 | 2070 | 1.71 | 4.48 | 4.47 | 0.15 | 77.5 | 14.7 | 92 | 3.20 | 49.1 |
| R613303 | | 0.53 | 0.02 | 0.08 | 2.74 | 57.2 | 980 | 0.85 | 14.20 | 3.54 | 0.18 | 41.6 | 16.6 | 59 | 1.42 | 69.1 |
| R613304 | | 1.01 | 0.02 | 0.10 | 6.35 | 94.1 | 1760 | 1.75 | 6.74 | 4.56 | 0.12 | 76.4 | 22.7 | 101 | 3.54 | 68.8 |
| R613305 | | 1.19 | 0.02 | 0.07 | 7.85 | 111.5 | 2930 | 2.29 | 15.75 | 2.37 | 0.11 | 87.1 | 18.8 | 131 | 4.45 | 64.2 |
| R613306 | | 2.07 | 0.03 | 0.09 | 7.66 | 97.8 | 2860 | 2.08 | 7.31 | 3.33 | 0.10 | 80.0 | 16.5 | 124 | 3.91 | 67.0 |
| R613307 | | 2.30 | 0.01 | 0.30 | 3.15 | 66.6 | 1030 | 0.91 | 10.70 | 4.26 | 1.47 | 42.1 | 14.7 | 59 | 1.46 | 99.5 |
| R613308 | | 0.16 | 0.65 | 3.01 | 7.49 | 30.8 | 990 | 1.10 | 0.20 | 1.92 | 1.09 | 27.0 | 4.7 | 14 | 0.33 | 43.9 |
| R613309 | | 3.94 | <0.01 | 0.03 | 5.88 | 19.5 | 2220 | 1.77 | 0.69 | 4.06 | 0.08 | 70.5 | 4.9 | 89 | 3.40 | 22.0 |
| R613310 | | 0.86 | 0.01 | 0.19 | 5.74 | 47.1 | 2170 | 1.58 | 22.7 | 4.94 | 0.19 | 77.2 | 10.4 | 96 | 3.19 | 40.4 |
| R613311 | | 1.33 | 0.04 | 0.08 | 3.83 | 67.2 | 1430 | 1.13 | 2.49 | 3.95 | 0.18 | 61.3 | 10.1 | 82 | 2.39 | 50.3 |
| R613312 | | 3.29 | 0.01 | 0.07 | 6.49 | 95.7 | 2530 | 1.90 | 2.30 | 3.30 | 0.16 | 77.0 | 15.0 | 95 | 4.31 | 59.5 |
| R613313 | | 1.11 | 0.01 | 0.25 | 3.75 | 87.4 | 1340 | 1.00 | 2.31 | 7.43 | 0.46 | 50.9 | 14.2 | 79 | 2.29 | 48.3 |
| R613314 | | 0.57 | <0.01 | 0.12 | 1.04 | 40.8 | 380 | 0.33 | 0.81 | 3.08 | 0.27 | 15.75 | 9.4 | 26 | 0.72 | 50.3 |
| R613315 | | <0.02 | 0.01 | 0.13 | 1.06 | 41.9 | 390 | 0.36 | 1.23 | 3.15 | 0.29 | 15.60 | 9.2 | 30 | 0.75 | 57.9 |
| R613316 | | 2.11 | 0.02 | 0.16 | 5.15 | 98.8 | 1870 | 1.52 | 6.93 | 3.34 | 0.18 | 59.2 | 20.7 | 87 | 2.66 | 86.1 |
| R613317 | | 1.67 | 0.01 | 0.08 | 6.40 | 34.2 | 2450 | 1.83 | 5.01 | 4.23 | 0.18 | 68.6 | 22.2 | 102 | 3.56 | 66.3 |
| R613318 | | 4.58 | 0.01 | 0.07 | 5.61 | 46.6 | 2100 | 1.56 | 3.91 | 4.68 | 0.12 | 69.9 | 19.7 | 96 | 2.99 | 46.9 |
| R613319 | | 0.66 | 0.03 | 0.13 | 5.99 | 21.0 | 2230 | 1.63 | 35.2 | 5.04 | 0.17 | 66.3 | 23.7 | 98 | 3.24 | 52.5 |
| R613320 | | 2.46 | 0.02 | 0.09 | 5.56 | 98.5 | 2030 | 1.52 | 6.76 | 4.64 | 0.17 | 70.7 | 26.7 | 91 | 2.83 | 48.8 |
| R615281 | | 1.25 | 0.01 | 0.62 | 4.31 | 141.5 | 1070 | 1.19 | 8.88 | 5.18 | 0.22 | 66.7 | 18.6 | 75 | 1.59 | 48.5 |
| R615282 | | 1.45 | 0.01 | 0.38 | 5.49 | 147.5 | 1930 | 1.63 | 12.65 | 5.09 | 0.17 | 67.3 | 20.3 | 91 | 2.78 | 110.5 |
| R615283 | | 3.74 | 0.01 | 0.10 | 5.83 | 109.5 | 2050 | 1.79 | 3.87 | 4.94 | 0.09 | 85.4 | 16.4 | 109 | 3.11 | 101.0 |
| R615284 | | 5.85 | 0.02 | 0.12 | 6.25 | 62.8 | 2210 | 1.91 | 4.71 | 4.54 | 0.12 | 70.2 | 17.6 | 107 | 3.38 | 102.5 |
| R615285 | | 1.57 | 0.01 | 0.08 | 5.05 | 99.2 | 1770 | 1.54 | 2.29 | 5.41 | 0.17 | 66.7 | 11.3 | 88 | 2.55 | 79.5 |
| R615286 | | 1.56 | 0.01 | 0.09 | 5.20 | 100.5 | 1820 | 1.50 | 2.33 | 5.82 | 0.14 | 69.7 | 10.9 | 90 | 2.64 | 80.0 |
| R615287 | | 2.95 | 0.01 | 0.08 | 6.69 | 69.6 | 2390 | 2.01 | 1.79 | 3.97 | 0.13 | 86.2 | 14.4 | 119 | 3.51 | 89.2 |
| R615288 | | 2.05 | 0.01 | 0.09 | 6.32 | 122.0 | 2230 | 1.83 | 2.69 | 4.75 | 0.15 | 76.6 | 13.2 | 105 | 3.15 | 90.4 |
| R615289 | | 0.37 | 0.01 | 0.10 | 4.83 | 197.5 | 1720 | 1.40 | 3.21 | 6.73 | 0.19 | 54.0 | 20.3 | 66 | 2.41 | 129.0 |
| R615290 | | 3.24 | 0.01 | 0.08 | 6.12 | 61.0 | 2200 | 1.80 | 3.07 | 4.54 | 0.13 | 64.7 | 9.5 | 86 | 3.41 | 68.8 |
| R615291 | | 6.20 | 0.01 | 0.08 | 6.56 | 55.8 | 2370 | 1.84 | 3.19 | 4.10 | 0.12 | 79.6 | 13.2 | 104 | 3.27 | 80.9 |
| R615292 | | 3.90 | 0.01 | 0.07 | 5.91 | 76.1 | 2130 | 1.76 | 2.54 | 3.40 | 0.09 | 74.8 | 13.6 | 91 | 2.95 | 83.7 |
| R615293 | | 0.66 | 0.02 | 0.09 | 2.81 | 41.7 | 970 | 0.82 | 5.02 | 2.62 | 0.24 | 34.9 | 9.5 | 48 | 1.33 | 53.1 |
| R615294 | | 0.16 | 0.61 | 1.48 | 7.24 | 28.1 | 840 | 1.06 | 0.18 | 1.88 | 1.08 | 23.4 | 4.5 | 14 | 0.31 | 42.8 |
| R615295 | | 1.23 | 0.03 | 0.17 | 5.30 | 104.0 | 1900 | 1.72 | 10.65 | 3.83 | 0.22 | 66.1 | 24.0 | 86 | 2.70 | 139.0 |
| R615296 | | 5.57 | 0.01 | 0.08 | 6.59 | 51.1 | 2420 | 1.99 | 2.36 | 3.61 | 0.09 | 79.3 | 12.0 | 105 | 3.53 | 53.9 |
| R615297 | | 0.40 | 0.03 | 0.09 | 3.30 | 36.7 | 1160 | 0.97 | 8.29 | 3.15 | 0.25 | 31.9 | 7.8 | 58 | 1.62 | 27.5 |
| R615298 | | 5.80 | <0.01 | <0.01 | 0.12 | 0.4 | 50 | 0.08 | 0.12 | 33.1 | <0.02 | 1.02 | 0.7 | 2 | <0.05 | 1.5 |
| R615299 | | 1.75 | 0.01 | 0.07 | 6.49 | 62.4 | 2390 | 1.93 | 2.52 | 4.47 | 0.13 | 68.9 | 14.9 | 94 | 3.78 | 64.0 |
| R615300 | | 0.83 | 0.34 | 0.45 | 2.13 | 60.0 | 650 | 0.61 | 111.5 | 6.90 | 0.33 | 39.3 | 17.0 | 43 | 0.90 | 119.5 |

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

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**Finalized Date: 30-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197163

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613301 | | 5.05 | 15.00 | 0.20 | 2.5 | 0.055 | 2.73 | 48.9 | 8.8 | 2.29 | 1520 | 5.59 | 0.13 | 27.0 | 41.7 | 2240 |
| R613302 | | 4.03 | 14.45 | 0.18 | 2.5 | 0.058 | 2.55 | 40.5 | 8.6 | 1.80 | 1150 | 7.53 | 0.13 | 27.5 | 40.6 | 1700 |
| R613303 | | 4.23 | 7.07 | 0.10 | 1.0 | 0.031 | 1.21 | 22.2 | 3.7 | 1.30 | 1120 | 2.68 | 0.06 | 10.6 | 35.1 | 1500 |
| R613304 | | 4.99 | 15.80 | 0.19 | 2.5 | 0.059 | 2.87 | 39.6 | 9.3 | 1.89 | 1250 | 6.70 | 0.14 | 28.2 | 63.1 | 1950 |
| R613305 | | 3.89 | 19.90 | 0.20 | 3.0 | 0.076 | 3.57 | 45.5 | 11.7 | 1.04 | 857 | 6.17 | 0.18 | 34.8 | 48.4 | 2580 |
| R613306 | | 4.21 | 18.55 | 0.20 | 3.0 | 0.070 | 3.44 | 39.4 | 10.7 | 1.33 | 997 | 6.72 | 0.18 | 33.1 | 50.2 | 2910 |
| R613307 | | 5.23 | 7.66 | 0.12 | 1.1 | 0.046 | 1.29 | 23.1 | 4.7 | 1.59 | 1500 | 3.76 | 0.07 | 10.1 | 37.4 | 1140 |
| R613308 | | 2.49 | 14.00 | 0.17 | 1.9 | 0.054 | 1.54 | 14.3 | 2.2 | 0.60 | 743 | 4.67 | 3.44 | 6.3 | 5.6 | 450 |
| R613309 | | 2.90 | 14.95 | 0.19 | 2.7 | 0.053 | 2.70 | 36.1 | 9.8 | 1.78 | 1090 | 6.09 | 0.14 | 30.0 | 21.6 | 1420 |
| R613310 | | 4.14 | 14.55 | 0.18 | 2.3 | 0.065 | 2.58 | 39.8 | 9.5 | 1.99 | 1360 | 4.60 | 0.13 | 26.5 | 29.6 | 2510 |
| R613311 | | 3.52 | 9.54 | 0.07 | 2.0 | 0.044 | 1.68 | 32.3 | 7.0 | 1.61 | 1040 | 3.93 | 0.09 | 17.0 | 27.6 | 1500 |
| R613312 | | 4.06 | 16.30 | 0.09 | 3.2 | 0.069 | 2.92 | 40.1 | 11.9 | 1.49 | 975 | 8.53 | 0.15 | 28.6 | 48.8 | 1480 |
| R613313 | | 5.60 | 9.01 | 0.07 | 1.8 | 0.051 | 1.65 | 26.6 | 6.1 | 2.81 | 2570 | 10.05 | 0.09 | 13.4 | 39.3 | 1340 |
| R613314 | | 2.95 | 2.63 | <0.05 | 0.5 | 0.021 | 0.44 | 7.9 | 1.7 | 1.13 | 1170 | 3.15 | 0.03 | 3.9 | 23.9 | 520 |
| R613315 | | 3.01 | 2.69 | <0.05 | 0.5 | 0.025 | 0.46 | 7.7 | 1.8 | 1.15 | 1190 | 3.20 | 0.03 | 4.1 | 24.5 | 510 |
| R613316 | | 4.53 | 12.20 | 0.15 | 1.9 | 0.059 | 2.26 | 30.3 | 7.7 | 1.30 | 1020 | 6.65 | 0.13 | 20.3 | 50.5 | 1580 |
| R613317 | | 4.76 | 15.25 | 0.18 | 2.7 | 0.069 | 2.88 | 35.0 | 10.4 | 1.63 | 1320 | 10.15 | 0.15 | 27.5 | 50.4 | 1230 |
| R613318 | | 4.23 | 13.70 | 0.17 | 2.2 | 0.055 | 2.51 | 36.0 | 8.9 | 1.58 | 1300 | 4.99 | 0.14 | 25.2 | 43.3 | 2190 |
| R613319 | | 5.39 | 14.30 | 0.17 | 2.3 | 0.053 | 2.64 | 33.3 | 9.8 | 1.68 | 1540 | 4.23 | 0.15 | 27.0 | 55.1 | 2300 |
| R613320 | | 4.40 | 13.40 | 0.19 | 2.1 | 0.051 | 2.43 | 36.7 | 9.1 | 1.85 | 1250 | 3.97 | 0.14 | 23.7 | 52.7 | 2340 |
| R615281 | | 6.86 | 9.89 | 0.12 | 2.2 | 0.046 | 1.51 | 36.6 | 7.5 | 1.86 | 1880 | 6.80 | 0.06 | 13.4 | 55.2 | 1320 |
| R615282 | | 5.90 | 13.30 | 0.14 | 2.2 | 0.059 | 2.50 | 33.9 | 5.1 | 1.69 | 1600 | 7.64 | 0.10 | 22.9 | 57.9 | 1670 |
| R615283 | | 4.37 | 14.75 | 0.16 | 2.6 | 0.060 | 2.68 | 43.2 | 5.8 | 1.22 | 1220 | 6.82 | 0.11 | 31.4 | 46.7 | 2850 |
| R615284 | | 4.63 | 15.50 | 0.17 | 2.6 | 0.063 | 2.87 | 35.7 | 6.6 | 1.07 | 1200 | 6.29 | 0.12 | 30.2 | 45.9 | 1750 |
| R615285 | | 5.08 | 12.45 | 0.15 | 1.9 | 0.059 | 2.29 | 34.6 | 5.3 | 1.39 | 1580 | 3.46 | 0.10 | 21.8 | 37.9 | 1860 |
| R615286 | | 5.20 | 12.70 | 0.13 | 1.8 | 0.050 | 2.37 | 37.0 | 5.4 | 1.39 | 1600 | 3.65 | 0.10 | 23.1 | 38.1 | 1900 |
| R615287 | | 4.35 | 16.60 | 0.18 | 2.5 | 0.061 | 3.06 | 45.5 | 7.5 | 1.03 | 1090 | 2.87 | 0.13 | 29.8 | 46.3 | 2260 |
| R615288 | | 4.64 | 15.30 | 0.18 | 2.3 | 0.057 | 2.84 | 39.9 | 7.0 | 1.03 | 1360 | 4.35 | 0.13 | 27.1 | 47.8 | 2130 |
| R615289 | | 6.62 | 11.50 | 0.12 | 1.9 | 0.050 | 2.19 | 28.4 | 5.6 | 1.86 | 1920 | 10.15 | 0.10 | 19.8 | 68.1 | 880 |
| R615290 | | 3.36 | 15.30 | 0.14 | 2.7 | 0.053 | 2.82 | 32.8 | 7.7 | 1.36 | 1040 | 6.60 | 0.12 | 31.5 | 37.0 | 1150 |
| R615291 | | 4.24 | 15.45 | 0.18 | 2.6 | 0.056 | 2.98 | 40.5 | 7.7 | 1.44 | 1180 | 6.07 | 0.13 | 28.5 | 38.9 | 1730 |
| R615292 | | 4.13 | 14.75 | 0.16 | 2.3 | 0.049 | 2.67 | 37.9 | 7.2 | 1.34 | 879 | 4.33 | 0.12 | 24.6 | 43.1 | 1880 |
| R615293 | | 3.61 | 6.46 | 0.09 | 0.9 | 0.031 | 1.25 | 18.0 | 3.3 | 0.95 | 887 | 2.12 | 0.06 | 9.5 | 33.0 | 1290 |
| R615294 | | 2.43 | 13.55 | 0.14 | 1.8 | 0.054 | 1.51 | 12.2 | 2.1 | 0.59 | 729 | 4.44 | 3.37 | 6.0 | 5.4 | 430 |
| R615295 | | 6.58 | 13.05 | 0.15 | 1.8 | 0.055 | 2.36 | 34.5 | 6.7 | 1.28 | 1180 | 5.12 | 0.12 | 17.5 | 67.7 | 2230 |
| R615296 | | 3.86 | 16.35 | 0.15 | 2.6 | 0.057 | 3.00 | 39.8 | 9.0 | 1.54 | 980 | 5.39 | 0.14 | 29.0 | 38.7 | 2090 |
| R615297 | | 2.96 | 8.10 | 0.10 | 1.4 | 0.038 | 1.43 | 16.2 | 4.1 | 0.94 | 1040 | 4.75 | 0.07 | 16.1 | 28.2 | 630 |
| R615298 | | 0.14 | 0.43 | 0.06 | 0.1 | <0.005 | 0.04 | 1.1 | 1.2 | 1.59 | 94 | 0.07 | 0.06 | 0.2 | 0.6 | 50 |
| R615299 | | 4.21 | 16.20 | 0.14 | 2.8 | 0.060 | 2.93 | 35.6 | 9.7 | 1.66 | 1260 | 8.82 | 0.14 | 29.2 | 49.6 | 1120 |
| R615300 | | 5.67 | 4.93 | 0.06 | 0.8 | 0.028 | 0.89 | 21.3 | 2.8 | 2.32 | 2290 | 5.93 | 0.05 | 5.6 | 42.1 | 1920 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 30-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197163

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613301 | | 5.8 | 115.0 | 0.026 | 0.41 | 0.60 | 14.8 | 3 | 3.4 | 102.0 | 1.39 | <0.05 | 8.99 | 0.482 | 0.54 | 4.2 |
| R613302 | | 5.0 | 109.5 | 0.014 | 0.56 | 1.37 | 13.2 | 2 | 3.3 | 83.5 | 1.46 | <0.05 | 8.37 | 0.467 | 0.54 | 4.1 |
| R613303 | | 4.9 | 51.2 | 0.015 | 0.83 | 0.60 | 6.2 | 2 | 1.5 | 56.1 | 0.50 | <0.05 | 3.72 | 0.200 | 0.26 | 3.2 |
| R613304 | | 3.8 | 121.5 | 0.147 | 0.87 | 0.66 | 15.8 | 2 | 3.4 | 89.4 | 1.41 | 0.05 | 7.68 | 0.513 | 0.59 | 7.1 |
| R613305 | | 3.7 | 152.0 | 0.013 | 0.23 | 0.80 | 19.3 | 2 | 4.5 | 65.3 | 1.83 | <0.05 | 9.44 | 0.621 | 0.73 | 4.1 |
| R613306 | | 4.0 | 142.0 | 0.008 | 0.20 | 0.69 | 19.0 | 2 | 4.4 | 74.4 | 1.72 | <0.05 | 9.10 | 0.615 | 0.67 | 4.2 |
| R613307 | | 23.6 | 57.1 | 0.005 | 0.32 | 1.68 | 6.9 | 2 | 1.8 | 53.5 | 0.50 | <0.05 | 4.21 | 0.190 | 0.32 | 2.4 |
| R613308 | | 125.0 | 33.1 | <0.002 | 0.12 | 15.50 | 7.0 | 1 | 1.2 | 210 | 0.41 | <0.05 | 2.78 | 0.207 | 0.42 | 1.2 |
| R613309 | | 2.2 | 115.0 | 0.008 | 0.22 | 0.62 | 13.6 | 1 | 3.7 | 79.5 | 1.58 | <0.05 | 8.43 | 0.502 | 0.54 | 3.3 |
| R613310 | | 4.2 | 111.0 | 0.005 | 0.45 | 0.94 | 14.1 | 1 | 3.9 | 82.5 | 1.32 | 0.07 | 7.67 | 0.500 | 0.54 | 2.8 |
| R613311 | | 5.1 | 73.2 | 0.004 | 0.26 | 0.52 | 9.0 | 1 | 2.4 | 72.9 | 0.97 | <0.05 | 6.70 | 0.334 | 0.36 | 2.9 |
| R613312 | | 4.4 | 130.0 | 0.011 | 0.24 | 0.80 | 14.8 | 2 | 4.1 | 71.9 | 1.63 | 0.05 | 10.05 | 0.516 | 0.65 | 5.4 |
| R613313 | | 53.1 | 71.1 | 0.005 | 0.19 | 1.26 | 10.5 | 2 | 2.2 | 89.4 | 0.81 | <0.05 | 6.17 | 0.267 | 0.37 | 3.8 |
| R613314 | | 16.4 | 20.8 | 0.005 | 0.15 | 0.88 | 3.5 | 1 | 0.8 | 36.5 | 0.21 | <0.05 | 1.72 | 0.075 | 0.13 | 2.5 |
| R613315 | | 16.9 | 21.2 | 0.006 | 0.15 | 0.93 | 3.6 | 2 | 0.8 | 37.3 | 0.22 | <0.05 | 1.75 | 0.079 | 0.14 | 2.8 |
| R613316 | | 7.9 | 98.0 | <0.002 | 0.15 | 0.97 | 12.8 | 3 | 3.3 | 61.5 | 0.98 | <0.05 | 6.07 | 0.369 | 0.46 | 3.6 |
| R613317 | | 4.0 | 123.5 | 0.002 | 0.13 | 0.87 | 15.5 | 2 | 4.0 | 75.3 | 1.40 | 0.05 | 7.78 | 0.497 | 0.60 | 4.0 |
| R613318 | | 4.0 | 109.0 | 0.005 | 0.19 | 0.71 | 14.5 | 2 | 3.6 | 77.2 | 1.28 | <0.05 | 7.18 | 0.474 | 0.51 | 3.3 |
| R613319 | | 4.8 | 111.0 | <0.002 | 0.49 | 2.80 | 15.5 | 2 | 3.4 | 83.2 | 1.41 | 0.08 | 7.03 | 0.507 | 0.52 | 3.4 |
| R613320 | | 4.7 | 104.5 | 0.009 | 0.42 | 0.55 | 14.3 | 2 | 3.1 | 88.3 | 1.19 | 0.07 | 6.73 | 0.438 | 0.51 | 4.1 |
| R615281 | | 9.2 | 64.5 | 0.002 | 0.06 | 0.67 | 9.5 | 1 | 2.5 | 79.5 | 0.65 | <0.05 | 6.50 | 0.245 | 0.33 | 3.1 |
| R615282 | | 9.2 | 107.5 | 0.004 | 0.25 | 0.82 | 14.4 | 2 | 3.7 | 74.0 | 1.13 | 0.08 | 6.82 | 0.413 | 0.52 | 3.3 |
| R615283 | | 5.1 | 119.0 | <0.002 | 0.08 | 0.49 | 16.4 | 2 | 4.4 | 75.2 | 1.60 | <0.05 | 7.72 | 0.547 | 0.56 | 3.6 |
| R615284 | | 5.9 | 124.0 | <0.002 | 0.17 | 0.66 | 16.8 | 2 | 4.2 | 66.1 | 1.53 | <0.05 | 7.84 | 0.552 | 0.59 | 4.2 |
| R615285 | | 5.2 | 98.4 | 0.005 | 0.06 | 0.66 | 12.5 | 2 | 3.1 | 69.2 | 1.17 | <0.05 | 7.10 | 0.402 | 0.50 | 3.1 |
| R615286 | | 4.7 | 100.5 | 0.002 | 0.06 | 0.78 | 12.8 | 2 | 3.4 | 71.9 | 1.17 | <0.05 | 7.18 | 0.411 | 0.49 | 3.2 |
| R615287 | | 3.7 | 133.0 | 0.007 | 0.06 | 0.69 | 16.4 | 3 | 4.0 | 65.8 | 1.46 | <0.05 | 9.31 | 0.533 | 0.62 | 3.5 |
| R615288 | | 4.2 | 120.5 | <0.002 | 0.05 | 0.86 | 16.0 | 2 | 3.7 | 64.0 | 1.38 | <0.05 | 8.26 | 0.493 | 0.56 | 3.3 |
| R615289 | | 4.7 | 91.2 | 0.003 | 0.07 | 0.96 | 12.5 | 2 | 2.7 | 78.1 | 1.00 | <0.05 | 6.36 | 0.331 | 0.44 | 3.5 |
| R615290 | | 3.0 | 120.5 | <0.002 | 0.04 | 0.52 | 14.7 | 2 | 3.8 | 72.9 | 1.65 | <0.05 | 8.73 | 0.514 | 0.59 | 3.9 |
| R615291 | | 4.0 | 122.5 | 0.009 | 0.08 | 0.65 | 15.1 | 2 | 3.8 | 72.6 | 1.49 | <0.05 | 8.43 | 0.552 | 0.60 | 3.8 |
| R615292 | | 2.9 | 114.0 | 0.012 | 0.14 | 0.57 | 14.3 | 2 | 3.4 | 70.2 | 1.19 | <0.05 | 7.73 | 0.459 | 0.54 | 4.3 |
| R615293 | | 7.9 | 52.0 | <0.002 | 0.22 | 0.70 | 6.3 | 2 | 1.6 | 43.1 | 0.47 | <0.05 | 2.92 | 0.187 | 0.25 | 1.7 |
| R615294 | | 118.5 | 30.5 | <0.002 | 0.12 | 15.45 | 6.8 | 1 | 1.1 | 206 | 0.39 | <0.05 | 2.49 | 0.203 | 0.41 | 1.1 |
| R615295 | | 9.4 | 102.5 | 0.002 | 0.38 | 1.38 | 13.5 | 3 | 2.8 | 84.9 | 0.85 | 0.07 | 6.38 | 0.317 | 0.51 | 3.9 |
| R615296 | | 4.0 | 125.5 | <0.002 | 0.21 | 0.94 | 16.3 | 2 | 3.9 | 75.4 | 1.52 | 0.05 | 8.47 | 0.534 | 0.58 | 3.1 |
| R615297 | | 9.4 | 61.4 | 0.006 | 0.09 | 0.50 | 6.7 | 1 | 2.0 | 41.4 | 0.75 | <0.05 | 4.14 | 0.270 | 0.29 | 1.9 |
| R615298 | | <0.5 | 1.2 | <0.002 | <0.01 | 0.07 | 0.2 | 1 | <0.2 | 80.9 | <0.05 | <0.05 | 0.09 | 0.006 | <0.02 | 0.2 |
| R615299 | | 3.6 | 127.0 | 0.002 | 0.15 | 0.51 | 16.0 | 2 | 3.7 | 79.2 | 1.48 | <0.05 | 9.02 | 0.503 | 0.61 | 4.0 |
| R615300 | | 29.1 | 36.8 | 0.076 | 0.53 | 2.45 | 5.5 | 3 | 1.1 | 72.7 | 0.30 | 0.17 | 3.41 | 0.115 | 0.22 | 3.9 |

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

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**Finalized Date: 30-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197163

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613301 | | 189 | 2.8 | 14.4 | 32 | 106.5 |
| R613302 | | 195 | 2.6 | 13.3 | 24 | 111.5 |
| R613303 | | 55 | 1.1 | 7.5 | 35 | 47.2 |
| R613304 | | 151 | 2.5 | 12.4 | 21 | 109.0 |
| R613305 | | 172 | 3.3 | 14.3 | 21 | 130.0 |
| R613306 | | 179 | 3.4 | 13.9 | 21 | 129.5 |
| R613307 | | 73 | 1.7 | 11.9 | 130 | 51.9 |
| R613308 | | 40 | 9.8 | 17.6 | 213 | 66.6 |
| R613309 | | 245 | 2.8 | 12.0 | 15 | 117.0 |
| R613310 | | 145 | 3.2 | 14.1 | 26 | 104.5 |
| R613311 | | 144 | 2.1 | 11.0 | 21 | 77.5 |
| R613312 | | 232 | 2.9 | 13.4 | 19 | 135.0 |
| R613313 | | 77 | 1.4 | 14.2 | 47 | 69.6 |
| R613314 | | 23 | 0.6 | 8.4 | 25 | 22.9 |
| R613315 | | 24 | 0.6 | 9.7 | 26 | 24.0 |
| R613316 | | 114 | 2.0 | 11.1 | 23 | 94.4 |
| R613317 | | 146 | 2.5 | 12.0 | 20 | 119.5 |
| R613318 | | 119 | 2.2 | 12.1 | 16 | 104.5 |
| R613319 | | 122 | 2.2 | 12.7 | 20 | 112.5 |
| R613320 | | 107 | 2.0 | 13.0 | 22 | 96.0 |
| R615281 | | 100 | 2.0 | 9.9 | 44 | 103.5 |
| R615282 | | 144 | 3.2 | 10.6 | 27 | 94.6 |
| R615283 | | 136 | 3.6 | 13.1 | 17 | 114.5 |
| R615284 | | 148 | 3.5 | 11.3 | 21 | 119.5 |
| R615285 | | 107 | 2.6 | 12.0 | 30 | 83.7 |
| R615286 | | 109 | 2.7 | 12.3 | 30 | 85.3 |
| R615287 | | 143 | 3.2 | 14.4 | 25 | 111.5 |
| R615288 | | 143 | 2.9 | 12.4 | 26 | 105.5 |
| R615289 | | 140 | 2.2 | 9.0 | 27 | 90.2 |
| R615290 | | 196 | 3.1 | 10.7 | 18 | 117.5 |
| R615291 | | 154 | 3.1 | 12.3 | 18 | 111.0 |
| R615292 | | 131 | 2.6 | 12.4 | 17 | 100.5 |
| R615293 | | 53 | 1.1 | 6.5 | 28 | 39.7 |
| R615294 | | 39 | 9.5 | 16.7 | 204 | 63.4 |
| R615295 | | 101 | 2.0 | 12.2 | 33 | 80.5 |
| R615296 | | 165 | 2.9 | 13.2 | 19 | 117.0 |
| R615297 | | 87 | 1.7 | 6.3 | 28 | 62.1 |
| R615298 | | 1 | 0.1 | 2.1 | 3 | 1.8 |
| R615299 | | 180 | 2.8 | 11.7 | 19 | 124.0 |
| R615300 | | 47 | 0.8 | 12.2 | 36 | 34.9 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 30-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20197163

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

ALS Canada Ltd.

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 28-OCT-2020**
**Account: RCM**

# CERTIFICATE WH20197165

Project: Rau

P.O. No.: R20-D11

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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


**Finalized Date: 28-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197165

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613321 | | 5.73 | 0.05 | 0.09 | 5.59 | 42.3 | 730 | 1.52 | 6.26 | 4.24 | 0.11 | 71.9 | 20.4 | 92 | 3.11 | 28.5 |
| R613322 | | 1.72 | 0.06 | 0.14 | 7.12 | 37.5 | 400 | 2.03 | 16.65 | 3.19 | 0.11 | 77.2 | 26.5 | 113 | 4.63 | 36.6 |
| R613323 | | 5.85 | 0.05 | 0.11 | 5.75 | 43.0 | 240 | 1.50 | 8.87 | 3.78 | 0.17 | 77.5 | 23.4 | 90 | 3.22 | 24.0 |
| R613324 | | 0.89 | 0.05 | 0.14 | 3.21 | 74.0 | 200 | 0.84 | 6.98 | 3.57 | 0.12 | 66.6 | 25.2 | 98 | 1.51 | 24.4 |
| R613325 | | 3.88 | 0.07 | 0.22 | 6.82 | 88.7 | 1480 | 1.70 | 13.15 | 2.72 | 0.13 | 76.4 | 28.7 | 109 | 3.82 | 19.7 |
| R613326 | | 2.91 | 0.03 | 0.31 | 6.33 | 122.0 | 2160 | 1.53 | 7.21 | 3.97 | 0.25 | 85.7 | 33.8 | 109 | 3.11 | 31.3 |
| R613327 | | 2.40 | 0.04 | 0.11 | 5.51 | 56.3 | 1930 | 1.43 | 6.75 | 0.33 | 0.14 | 68.4 | 4.0 | 96 | 2.61 | 19.2 |
| R613328 | | 5.16 | <0.01 | 0.01 | 0.19 | 0.7 | 30 | 0.12 | 0.07 | 33.1 | <0.02 | 1.04 | 0.7 | 3 | 0.06 | 1.4 |
| R613329 | | 1.03 | 0.04 | 0.12 | 2.46 | 56.6 | 770 | 0.65 | 6.85 | 3.74 | 0.21 | 43.7 | 17.1 | 53 | 1.04 | 44.5 |
| R613330 | | 4.94 | 0.07 | 0.14 | 5.58 | 44.7 | 700 | 1.42 | 6.78 | 4.97 | 0.10 | 74.6 | 12.8 | 98 | 3.11 | 20.9 |
| R613331 | | 1.65 | 0.04 | 0.12 | 6.01 | 35.5 | 1050 | 1.47 | 5.57 | 4.81 | 0.13 | 77.9 | 11.0 | 100 | 3.58 | 18.1 |
| R613332 | | 0.16 | 1.40 | 73.5 | 7.28 | 29.6 | 4390 | 0.98 | 0.12 | 1.95 | 14.00 | 26.3 | 4.4 | 18 | 0.38 | 214 |
| R613333 | | 2.30 | 0.02 | 0.15 | 5.96 | 34.7 | 2150 | 1.50 | 7.39 | 4.58 | 0.07 | 78.2 | 14.5 | 106 | 3.02 | 16.7 |
| R613334 | | 0.66 | 0.04 | 0.11 | 1.25 | 59.6 | 410 | 0.37 | 9.81 | 4.09 | 0.21 | 29.3 | 17.0 | 36 | 0.59 | 24.9 |
| R613335 | | 1.41 | 0.03 | 0.29 | 6.84 | 134.5 | 2430 | 1.80 | 8.83 | 4.21 | 0.12 | 66.2 | 20.9 | 105 | 3.67 | 26.0 |
| R613336 | | 0.75 | 0.08 | 0.40 | 4.52 | 146.0 | 240 | 1.30 | 21.2 | 7.37 | 0.30 | 60.9 | 30.7 | 80 | 2.79 | 62.0 |
| R613337 | | 1.95 | 0.02 | 0.14 | 5.55 | 47.0 | 1940 | 1.46 | 4.46 | 5.23 | 0.11 | 63.0 | 15.5 | 86 | 2.81 | 16.5 |
| R613338 | | 4.78 | 0.05 | 0.30 | 5.51 | 60.3 | 1860 | 1.39 | 7.13 | 4.17 | 0.20 | 67.4 | 19.9 | 96 | 2.93 | 18.2 |
| R613339 | | 4.22 | 0.04 | 0.18 | 6.62 | 52.2 | 2440 | 1.72 | 6.75 | 3.41 | 0.16 | 82.4 | 13.6 | 93 | 3.70 | 17.1 |
| R613340 | | 2.45 | 0.01 | 0.18 | 6.80 | 51.8 | 2490 | 1.81 | 10.30 | 2.98 | 0.12 | 74.0 | 18.5 | 110 | 3.80 | 24.6 |
| R613341 | | 1.36 | 0.01 | 0.18 | 6.58 | 28.5 | 2430 | 1.78 | 9.04 | 3.80 | 0.18 | 72.3 | 16.1 | 103 | 3.78 | 17.3 |
| R613342 | | 1.32 | 0.02 | 0.18 | 7.01 | 31.4 | 2610 | 1.86 | 9.78 | 3.82 | 0.16 | 71.8 | 18.3 | 110 | 4.06 | 21.8 |
| R613343 | | 5.06 | 0.02 | 0.16 | 6.37 | 124.5 | 2360 | 1.66 | 6.89 | 4.07 | 0.14 | 70.1 | 21.7 | 102 | 3.62 | 29.1 |
| R613344 | | 0.83 | 0.03 | 0.12 | 5.55 | 68.1 | 640 | 1.47 | 6.66 | 3.33 | 0.12 | 71.0 | 30.3 | 86 | 3.13 | 33.4 |
| R613345 | | 4.72 | 0.03 | 0.15 | 6.37 | 78.4 | 2390 | 1.59 | 8.23 | 3.05 | 0.15 | 68.9 | 23.3 | 106 | 3.54 | 17.2 |
| R613346 | | 1.91 | 0.02 | 0.09 | 4.71 | 63.7 | 1720 | 1.32 | 3.95 | 4.99 | 0.18 | 71.8 | 20.4 | 82 | 2.63 | 14.7 |
| R613347 | | 0.16 | 0.66 | 1.33 | 7.26 | 28.9 | 830 | 0.97 | 0.18 | 1.85 | 0.97 | 26.0 | 4.5 | 13 | 0.31 | 44.3 |
| R613348 | | 2.61 | 0.02 | 0.13 | 4.75 | 120.0 | 1700 | 1.23 | 4.68 | 6.05 | 0.18 | 68.7 | 27.5 | 87 | 2.55 | 20.3 |
| R613349 | | 7.05 | 0.02 | 0.16 | 5.86 | 85.9 | 2150 | 1.36 | 7.29 | 4.59 | 0.16 | 76.0 | 22.7 | 103 | 3.20 | 12.6 |
| R613350 | | 2.16 | 0.01 | 0.11 | 6.07 | 112.5 | 2260 | 1.48 | 17.40 | 4.39 | 0.14 | 71.3 | 17.8 | 106 | 3.25 | 15.0 |
| R613351 | | 1.69 | 0.02 | 0.13 | 6.54 | 96.3 | 2430 | 1.59 | 11.05 | 4.45 | 0.19 | 85.4 | 19.5 | 117 | 3.59 | 12.6 |
| R613352 | | 0.64 | 0.02 | 0.13 | 6.89 | 113.0 | 2580 | 1.74 | 9.50 | 3.91 | 0.19 | 91.4 | 17.8 | 120 | 4.18 | 14.4 |
| R613353 | | 6.58 | 0.01 | 0.14 | 6.26 | 111.5 | 2290 | 1.54 | 6.95 | 5.24 | 0.20 | 80.7 | 19.9 | 107 | 3.39 | 18.4 |
| R613354 | | 6.90 | 0.01 | 0.10 | 5.83 | 59.7 | 2150 | 1.55 | 8.97 | 4.15 | 0.13 | 65.9 | 19.9 | 93 | 3.46 | 22.5 |
| R613355 | | 0.87 | 0.01 | 0.12 | 5.34 | 160.0 | 1890 | 1.52 | 16.00 | 4.02 | 0.13 | 60.7 | 27.8 | 87 | 2.88 | 34.1 |
| R613356 | | <0.02 | 0.02 | 0.10 | 5.61 | 165.5 | 1990 | 1.42 | 19.70 | 3.95 | 0.14 | 63.6 | 27.3 | 90 | 2.89 | 35.6 |
| R613357 | | 5.48 | <0.01 | 0.08 | 5.97 | 46.4 | 2210 | 1.43 | 2.68 | 4.40 | 0.19 | 65.0 | 14.7 | 91 | 3.27 | 20.7 |
| R613358 | | 6.81 | <0.01 | 0.06 | 6.32 | 26.3 | 2370 | 1.63 | 2.15 | 3.96 | 0.24 | 64.4 | 10.7 | 96 | 3.64 | 17.0 |
| R613359 | | 6.52 | 0.01 | 0.07 | 6.13 | 33.7 | 2300 | 1.54 | 3.43 | 3.88 | 0.20 | 60.8 | 11.8 | 85 | 3.26 | 16.3 |
| R613360 | | 0.86 | 0.01 | 0.08 | 6.09 | 35.5 | 2300 | 1.52 | 2.77 | 2.49 | 0.27 | 61.9 | 11.1 | 87 | 3.33 | 20.1 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 28-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197165

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613321 | | 4.08 | 13.60 | 0.11 | 2.2 | 0.048 | 2.44 | 36.5 | 9.8 | 1.76 | 1060 | 3.49 | 0.14 | 24.8 | 45.0 | 1900 |
| R613322 | | 4.23 | 17.75 | 0.15 | 3.1 | 0.065 | 3.16 | 38.3 | 15.2 | 1.48 | 722 | 10.75 | 0.17 | 30.9 | 77.2 | 1720 |
| R613323 | | 4.57 | 14.25 | 0.14 | 2.4 | 0.052 | 2.53 | 39.1 | 9.6 | 1.79 | 1020 | 10.10 | 0.15 | 25.1 | 55.9 | 1300 |
| R613324 | | 5.55 | 7.60 | 0.09 | 1.4 | 0.034 | 1.38 | 34.0 | 4.7 | 1.67 | 1340 | 7.66 | 0.08 | 11.7 | 46.9 | 1010 |
| R613325 | | 4.00 | 16.55 | 0.13 | 2.8 | 0.059 | 2.99 | 38.9 | 11.8 | 1.33 | 776 | 10.95 | 0.16 | 29.7 | 56.2 | 1770 |
| R613326 | | 4.66 | 15.00 | 0.15 | 2.2 | 0.051 | 2.78 | 44.7 | 9.6 | 1.67 | 1100 | 5.02 | 0.15 | 24.7 | 65.1 | 2620 |
| R613327 | | 2.09 | 13.65 | 0.14 | 1.9 | 0.047 | 2.42 | 37.5 | 6.9 | 0.20 | 88 | 3.01 | 0.14 | 19.9 | 8.3 | 2220 |
| R613328 | | 0.16 | 0.60 | 0.05 | 0.1 | <0.005 | 0.07 | 1.1 | 1.1 | 1.33 | 93 | 0.08 | 0.08 | 0.3 | 0.6 | 60 |
| R613329 | | 4.00 | 5.43 | <0.05 | 0.9 | 0.028 | 1.00 | 21.9 | 3.2 | 1.47 | 1280 | 3.28 | 0.06 | 9.3 | 39.8 | 1260 |
| R613330 | | 4.32 | 13.45 | 0.09 | 2.4 | 0.051 | 2.40 | 38.1 | 9.3 | 2.05 | 1400 | 6.56 | 0.14 | 27.2 | 39.0 | 1980 |
| R613331 | | 3.42 | 14.80 | 0.13 | 2.3 | 0.049 | 2.62 | 40.0 | 11.1 | 2.02 | 1020 | 3.03 | 0.14 | 28.9 | 38.6 | 2130 |
| R613332 | | 2.58 | 13.05 | 0.18 | 1.8 | 0.037 | 1.50 | 14.4 | 2.4 | 0.58 | 729 | 6.61 | 3.35 | 5.1 | 7.9 | 480 |
| R613333 | | 4.01 | 13.95 | 0.19 | 2.5 | 0.052 | 2.56 | 41.2 | 10.7 | 1.85 | 1140 | 5.46 | 0.15 | 26.8 | 34.3 | 1950 |
| R613334 | | 4.15 | 2.98 | 0.09 | 0.5 | 0.020 | 0.51 | 15.4 | 2.1 | 1.63 | 1300 | 3.75 | 0.03 | 3.1 | 45.7 | 610 |
| R613335 | | 4.56 | 15.95 | 0.16 | 2.9 | 0.065 | 2.96 | 34.2 | 11.6 | 1.57 | 1020 | 8.76 | 0.17 | 28.7 | 48.3 | 1540 |
| R613336 | | 6.80 | 10.50 | 0.12 | 2.2 | 0.044 | 1.92 | 31.0 | 8.6 | 1.62 | 1230 | 12.70 | 0.11 | 22.0 | 90.3 | 870 |
| R613337 | | 4.04 | 12.75 | 0.14 | 2.4 | 0.045 | 2.39 | 32.5 | 8.9 | 2.25 | 1420 | 7.67 | 0.14 | 24.2 | 37.2 | 1480 |
| R613338 | | 5.00 | 13.05 | 0.14 | 2.2 | 0.050 | 2.39 | 35.1 | 8.7 | 1.84 | 1370 | 7.47 | 0.14 | 22.4 | 51.4 | 1650 |
| R613339 | | 3.22 | 16.50 | 0.17 | 2.9 | 0.060 | 2.88 | 42.2 | 11.3 | 1.57 | 825 | 5.16 | 0.16 | 29.6 | 40.2 | 1650 |
| R613340 | | 4.67 | 16.35 | 0.19 | 3.3 | 0.062 | 2.95 | 38.4 | 11.1 | 1.45 | 945 | 10.55 | 0.17 | 27.1 | 44.8 | 1210 |
| R613341 | | 3.46 | 16.00 | 0.19 | 3.0 | 0.059 | 2.89 | 37.5 | 11.6 | 1.47 | 957 | 8.24 | 0.16 | 31.2 | 44.7 | 1640 |
| R613342 | | 3.79 | 16.90 | 0.18 | 3.0 | 0.064 | 3.11 | 36.6 | 12.2 | 1.43 | 1010 | 9.00 | 0.17 | 32.5 | 47.9 | 1640 |
| R613343 | | 4.49 | 15.25 | 0.16 | 2.8 | 0.062 | 2.80 | 35.9 | 10.2 | 1.61 | 1290 | 8.52 | 0.16 | 27.8 | 52.2 | 1470 |
| R613344 | | 5.15 | 13.75 | 0.18 | 2.2 | 0.053 | 2.43 | 36.5 | 9.1 | 1.46 | 1180 | 3.59 | 0.14 | 22.1 | 64.8 | 1760 |
| R613345 | | 4.22 | 14.80 | 0.14 | 2.6 | 0.056 | 2.81 | 35.3 | 10.1 | 1.33 | 993 | 5.92 | 0.15 | 26.4 | 66.0 | 2070 |
| R613346 | | 4.44 | 11.20 | 0.17 | 2.1 | 0.041 | 2.02 | 37.9 | 7.4 | 2.15 | 1390 | 4.49 | 0.11 | 18.6 | 48.1 | 1750 |
| R613347 | | 2.39 | 13.10 | 0.14 | 1.8 | 0.051 | 1.48 | 13.9 | 2.1 | 0.58 | 704 | 4.88 | 3.31 | 5.4 | 5.3 | 410 |
| R613348 | | 5.42 | 11.35 | 0.14 | 2.0 | 0.048 | 2.03 | 36.6 | 7.8 | 2.45 | 1840 | 5.33 | 0.11 | 18.6 | 59.4 | 1760 |
| R613349 | | 4.35 | 13.90 | 0.16 | 2.4 | 0.055 | 2.56 | 38.8 | 9.4 | 1.75 | 1280 | 4.84 | 0.14 | 26.4 | 48.5 | 2320 |
| R613350 | | 4.82 | 14.55 | 0.15 | 2.6 | 0.055 | 2.64 | 36.6 | 9.6 | 1.78 | 1200 | 5.18 | 0.14 | 29.2 | 47.6 | 2730 |
| R613351 | | 4.44 | 15.55 | 0.18 | 2.8 | 0.059 | 2.83 | 44.1 | 10.7 | 1.54 | 1220 | 6.25 | 0.15 | 34.3 | 47.3 | 2750 |
| R613352 | | 3.91 | 17.25 | 0.20 | 3.0 | 0.065 | 3.06 | 46.8 | 11.7 | 1.30 | 1030 | 7.02 | 0.16 | 33.3 | 47.9 | 3040 |
| R613353 | | 4.85 | 15.10 | 0.17 | 2.6 | 0.048 | 2.70 | 42.7 | 9.3 | 1.76 | 1400 | 4.64 | 0.14 | 28.8 | 50.0 | 2710 |
| R613354 | | 4.87 | 14.00 | 0.15 | 2.4 | 0.050 | 2.60 | 33.7 | 9.0 | 1.50 | 1220 | 5.05 | 0.13 | 25.9 | 40.6 | 1630 |
| R613355 | | 6.37 | 13.10 | 0.12 | 2.1 | 0.056 | 2.27 | 32.4 | 8.2 | 1.57 | 1200 | 5.38 | 0.12 | 19.7 | 56.8 | 1620 |
| R613356 | | 6.65 | 13.30 | 0.13 | 2.1 | 0.055 | 2.36 | 33.1 | 8.2 | 1.56 | 1180 | 5.36 | 0.12 | 17.9 | 60.6 | 1670 |
| R613357 | | 4.27 | 13.75 | 0.12 | 2.5 | 0.050 | 2.60 | 33.4 | 8.8 | 1.80 | 1080 | 6.44 | 0.13 | 25.5 | 43.4 | 1460 |
| R613358 | | 3.58 | 15.45 | 0.15 | 2.8 | 0.059 | 2.81 | 33.7 | 9.8 | 1.68 | 980 | 8.45 | 0.14 | 29.1 | 40.2 | 1180 |
| R613359 | | 3.60 | 14.80 | 0.15 | 2.7 | 0.051 | 2.68 | 31.6 | 9.1 | 1.65 | 989 | 7.72 | 0.15 | 27.5 | 41.6 | 1070 |
| R613360 | | 3.51 | 14.70 | 0.14 | 2.8 | 0.058 | 2.69 | 32.1 | 9.8 | 1.12 | 670 | 7.68 | 0.15 | 26.5 | 50.5 | 1090 |

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| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613321 | | 4.5 | 106.5 | 0.022 | 0.95 | 0.73 | 14.0 | 1 | 3.0 | 83.6 | 1.25 | 0.06 | 7.07 | 0.462 | 0.51 | 4.2 |
| R613322 | | 6.1 | 142.0 | 0.015 | 1.45 | 0.88 | 17.8 | 2 | 3.9 | 71.6 | 1.55 | 0.09 | 8.32 | 0.573 | 0.64 | 6.3 |
| R613323 | | 9.9 | 111.5 | 0.021 | 1.84 | 0.80 | 13.8 | 2 | 3.1 | 67.5 | 1.23 | 0.05 | 7.83 | 0.425 | 0.52 | 6.4 |
| R613324 | | 5.7 | 60.3 | 0.012 | 2.15 | 0.71 | 7.8 | 2 | 1.7 | 46.3 | 0.56 | <0.05 | 5.71 | 0.221 | 0.29 | 6.3 |
| R613325 | | 11.4 | 131.5 | 0.032 | 0.93 | 1.22 | 17.3 | 2 | 3.5 | 66.5 | 1.56 | 0.06 | 8.50 | 0.539 | 0.65 | 7.1 |
| R613326 | | 17.0 | 116.5 | 0.033 | 0.83 | 0.92 | 15.2 | 2 | 3.1 | 81.5 | 1.21 | <0.05 | 8.36 | 0.451 | 0.57 | 3.9 |
| R613327 | | 8.2 | 106.5 | 0.005 | 0.21 | 0.80 | 12.0 | 2 | 3.0 | 56.7 | 1.05 | <0.05 | 8.26 | 0.368 | 0.50 | 3.8 |
| R613328 | | 0.5 | 2.1 | <0.002 | 0.01 | 0.06 | 0.2 | 1 | <0.2 | 79.5 | <0.05 | <0.05 | 0.11 | 0.005 | 0.02 | 0.2 |
| R613329 | | 6.2 | 42.0 | 0.015 | 0.88 | 1.18 | 5.7 | 2 | 1.2 | 49.0 | 0.46 | <0.05 | 3.78 | 0.173 | 0.29 | 3.1 |
| R613330 | | 5.7 | 106.0 | 0.017 | 1.07 | 0.93 | 13.7 | 1 | 2.9 | 94.7 | 1.40 | <0.05 | 7.53 | 0.493 | 0.53 | 5.3 |
| R613331 | | 4.7 | 116.5 | 0.072 | 0.95 | 0.99 | 15.1 | 2 | 3.0 | 104.0 | 1.48 | <0.05 | 7.91 | 0.512 | 0.58 | 10.2 |
| R613332 | | 1445 | 31.0 | 0.009 | 0.50 | 115.5 | 6.7 | 3 | 1.7 | 212 | 0.39 | 0.05 | 2.62 | 0.202 | 0.31 | 1.7 |
| R613333 | | 5.6 | 108.5 | 0.003 | 0.55 | 0.83 | 14.6 | 1 | 2.8 | 97.6 | 1.44 | <0.05 | 7.91 | 0.521 | 0.54 | 3.7 |
| R613334 | | 6.2 | 22.5 | 0.018 | 1.35 | 0.75 | 3.4 | 2 | 0.6 | 46.5 | 0.16 | <0.05 | 2.14 | 0.069 | 0.14 | 4.5 |
| R613335 | | 9.6 | 126.0 | 0.003 | 0.77 | 1.01 | 16.0 | 2 | 3.1 | 102.5 | 1.64 | 0.06 | 8.13 | 0.550 | 0.63 | 5.2 |
| R613336 | | 11.5 | 82.2 | 0.002 | 2.06 | 2.43 | 9.8 | 3 | 2.1 | 174.5 | 1.16 | 0.07 | 5.89 | 0.410 | 0.44 | 5.9 |
| R613337 | | 5.0 | 100.5 | 0.017 | 0.70 | 0.58 | 12.8 | 1 | 2.7 | 105.0 | 1.33 | <0.05 | 6.97 | 0.452 | 0.49 | 6.4 |
| R613338 | | 13.2 | 100.5 | 0.014 | 0.75 | 1.11 | 14.0 | 2 | 2.5 | 80.7 | 1.23 | 0.05 | 7.01 | 0.443 | 0.51 | 5.3 |
| R613339 | | 7.2 | 127.0 | 0.005 | 0.25 | 0.81 | 15.8 | 2 | 3.0 | 88.8 | 1.69 | <0.05 | 9.35 | 0.561 | 0.64 | 3.6 |
| R613340 | | 8.3 | 130.5 | 0.007 | 0.62 | 1.31 | 16.9 | 2 | 3.0 | 79.5 | 1.57 | <0.05 | 8.78 | 0.528 | 0.66 | 5.6 |
| R613341 | | 8.7 | 126.5 | 0.003 | 0.23 | 0.74 | 16.4 | 2 | 3.0 | 92.3 | 1.81 | 0.06 | 8.25 | 0.587 | 0.63 | 4.1 |
| R613342 | | 8.7 | 134.5 | 0.002 | 0.30 | 0.89 | 17.6 | 2 | 3.1 | 92.9 | 1.81 | <0.05 | 8.75 | 0.613 | 0.64 | 4.5 |
| R613343 | | 6.6 | 120.5 | 0.009 | 0.31 | 0.81 | 15.5 | 2 | 2.9 | 90.0 | 1.56 | <0.05 | 8.12 | 0.530 | 0.62 | 4.3 |
| R613344 | | 5.9 | 107.0 | 0.005 | 1.13 | 1.01 | 15.0 | 2 | 2.4 | 76.4 | 1.22 | <0.05 | 7.00 | 0.434 | 0.56 | 3.6 |
| R613345 | | 9.5 | 117.5 | 0.005 | 0.20 | 0.82 | 15.8 | 2 | 2.8 | 80.5 | 1.50 | 0.07 | 7.64 | 0.538 | 0.60 | 3.9 |
| R613346 | | 7.7 | 89.3 | 0.009 | 0.35 | 0.66 | 11.4 | 3 | 2.1 | 104.5 | 1.00 | <0.05 | 7.11 | 0.354 | 0.47 | 3.3 |
| R613347 | | 116.0 | 30.8 | <0.002 | 0.11 | 14.45 | 6.8 | 1 | 1.1 | 205 | 0.38 | <0.05 | 2.73 | 0.195 | 0.40 | 1.2 |
| R613348 | | 7.9 | 87.2 | 0.031 | 0.61 | 0.70 | 11.0 | 2 | 2.2 | 103.0 | 1.05 | <0.05 | 6.59 | 0.371 | 0.48 | 3.4 |
| R613349 | | 10.4 | 109.0 | 0.005 | 0.48 | 0.96 | 14.5 | 2 | 2.7 | 95.0 | 1.46 | <0.05 | 7.43 | 0.518 | 0.55 | 3.3 |
| R613350 | | 9.0 | 116.0 | <0.002 | 0.16 | 1.08 | 16.5 | 2 | 3.0 | 99.6 | 1.61 | 0.05 | 7.33 | 0.542 | 0.56 | 3.5 |
| R613351 | | 10.9 | 122.0 | 0.002 | 0.05 | 0.73 | 16.4 | 1 | 3.1 | 101.0 | 1.86 | 0.07 | 8.24 | 0.638 | 0.61 | 3.5 |
| R613352 | | 11.3 | 138.5 | 0.002 | 0.08 | 0.88 | 17.5 | 1 | 3.2 | 93.3 | 1.89 | 0.05 | 8.96 | 0.631 | 0.69 | 3.6 |
| R613353 | | 8.6 | 116.0 | 0.002 | 0.14 | 0.87 | 15.2 | 2 | 2.8 | 105.0 | 1.60 | <0.05 | 8.48 | 0.535 | 0.56 | 3.7 |
| R613354 | | 6.5 | 113.0 | 0.008 | 0.12 | 0.72 | 14.4 | 2 | 2.6 | 85.0 | 1.46 | <0.05 | 7.39 | 0.496 | 0.52 | 3.8 |
| R613355 | | 7.1 | 100.0 | <0.002 | 0.22 | 1.89 | 14.1 | 2 | 2.3 | 86.3 | 1.07 | 0.05 | 7.10 | 0.360 | 0.48 | 3.4 |
| R613356 | | 7.0 | 102.5 | <0.002 | 0.23 | 1.98 | 14.2 | 2 | 2.3 | 87.3 | 1.01 | 0.07 | 7.33 | 0.352 | 0.51 | 3.4 |
| R613357 | | 7.3 | 108.0 | 0.004 | 0.09 | 0.71 | 12.7 | 2 | 2.6 | 92.1 | 1.47 | <0.05 | 8.16 | 0.493 | 0.55 | 3.5 |
| R613358 | | 6.8 | 122.0 | <0.002 | 0.05 | 0.74 | 15.4 | 1 | 2.9 | 91.6 | 1.65 | <0.05 | 8.45 | 0.552 | 0.56 | 3.9 |
| R613359 | | 6.8 | 117.5 | 0.003 | 0.07 | 0.64 | 15.0 | 2 | 2.9 | 89.6 | 1.57 | <0.05 | 8.30 | 0.489 | 0.57 | 3.8 |
| R613360 | | 7.8 | 115.5 | <0.002 | 0.13 | 1.00 | 14.1 | 1 | 2.9 | 69.5 | 1.50 | <0.05 | 8.31 | 0.477 | 0.53 | 3.9 |

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

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


**Finalized Date: 28-OCT-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20197165

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613321 | | 120 | 2.1 | 12.5 | 19 | 102.0 |
| R613322 | | 179 | 2.5 | 12.7 | 16 | 136.0 |
| R613323 | | 151 | 2.2 | 11.1 | 21 | 108.0 |
| R613324 | | 67 | 1.2 | 9.6 | 16 | 67.3 |
| R613325 | | 150 | 2.4 | 11.8 | 18 | 123.5 |
| R613326 | | 125 | 2.2 | 13.3 | 26 | 98.5 |
| R613327 | | 150 | 2.0 | 5.7 | 15 | 84.4 |
| R613328 | | 1 | 0.1 | 2.0 | 3 | 2.1 |
| R613329 | | 55 | 1.0 | 7.8 | 25 | 42.9 |
| R613330 | | 127 | 2.1 | 11.9 | 19 | 106.0 |
| R613331 | | 117 | 2.1 | 15.4 | 23 | 102.0 |
| R613332 | | 53 | 10.4 | 16.9 | 2720 | 59.5 |
| R613333 | | 122 | 2.3 | 12.2 | 18 | 110.5 |
| R613334 | | 28 | 0.5 | 6.2 | 24 | 24.7 |
| R613335 | | 146 | 2.4 | 11.6 | 22 | 130.5 |
| R613336 | | 100 | 1.9 | 9.2 | 36 | 101.0 |
| R613337 | | 143 | 2.1 | 10.6 | 20 | 101.5 |
| R613338 | | 126 | 1.9 | 11.1 | 29 | 101.0 |
| R613339 | | 154 | 2.4 | 12.7 | 20 | 127.0 |
| R613340 | | 140 | 2.2 | 12.0 | 18 | 135.5 |
| R613341 | | 139 | 2.3 | 11.7 | 21 | 130.5 |
| R613342 | | 148 | 2.4 | 12.8 | 22 | 135.0 |
| R613343 | | 135 | 2.2 | 12.0 | 20 | 116.0 |
| R613344 | | 124 | 1.8 | 12.4 | 19 | 95.7 |
| R613345 | | 149 | 2.1 | 12.0 | 25 | 110.5 |
| R613346 | | 136 | 1.7 | 11.6 | 30 | 85.4 |
| R613347 | | 39 | 9.7 | 16.8 | 200 | 62.4 |
| R613348 | | 111 | 1.8 | 12.2 | 32 | 89.5 |
| R613349 | | 140 | 2.3 | 12.2 | 28 | 106.5 |
| R613350 | | 136 | 2.4 | 13.4 | 25 | 117.5 |
| R613351 | | 143 | 2.4 | 17.3 | 31 | 126.0 |
| R613352 | | 144 | 2.6 | 15.6 | 32 | 131.5 |
| R613353 | | 182 | 2.2 | 14.5 | 32 | 113.0 |
| R613354 | | 123 | 1.8 | 12.2 | 22 | 105.5 |
| R613355 | | 116 | 1.8 | 12.1 | 30 | 98.8 |
| R613356 | | 120 | 1.7 | 11.9 | 30 | 98.4 |
| R613357 | | 192 | 2.0 | 12.2 | 29 | 108.5 |
| R613358 | | 172 | 2.2 | 11.1 | 26 | 117.5 |
| R613359 | | 190 | 2.3 | 10.4 | 23 | 119.5 |
| R613360 | | 184 | 2.2 | 10.9 | 35 | 118.5 |

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

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

Project: Rau


**Finalized Date: 28-OCT-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20197165

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 15-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20204427

Project: Rau

P.O. No.: R20-D12

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 14-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |
| Ag-OG62 | Ore Grade Ag - Four Acid | |
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Ag-GRA21 | Ag 30g FA-GRAV finish | WST-SIM |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204427

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233241 | | 1.29 | 0.09 | 0.10 | 7.19 | 498 | 1960 | 2.59 | 0.58 | 0.60 | 0.15 | 109.0 | 12.8 | 75 | 4.37 | 13.4 |
| W233242 | | 3.46 | 0.09 | 0.08 | 8.04 | 496 | 2270 | 2.83 | 1.01 | 1.40 | 0.22 | 103.0 | 13.1 | 77 | 4.64 | 16.0 |
| W233243 | | 3.75 | 0.04 | 0.10 | 7.96 | 326 | 2200 | 2.72 | 1.29 | 1.29 | 0.09 | 106.5 | 11.9 | 81 | 4.53 | 32.9 |
| W233244 | | 2.76 | 0.02 | 0.01 | 0.09 | 1.3 | 20 | 0.07 | 0.03 | 32.9 | <0.02 | 0.95 | 0.7 | 2 | <0.05 | 1.4 |
| W233245 | | 5.52 | <0.01 | 0.08 | 6.74 | 469 | 1830 | 2.30 | 1.15 | 0.41 | 0.15 | 83.2 | 14.0 | 75 | 4.49 | 109.5 |
| W233246 | | 1.06 | 0.06 | 0.12 | 7.34 | 1400 | 1980 | 2.62 | 3.62 | 0.51 | 0.12 | 91.2 | 20.5 | 80 | 4.93 | 129.0 |
| W233247 | | 2.12 | 0.02 | 0.26 | 5.29 | 1580 | 1400 | 2.07 | 5.59 | 0.45 | 0.10 | 76.5 | 31.7 | 65 | 3.65 | 110.0 |
| W233248 | | 4.03 | 0.31 | 0.12 | 7.45 | 731 | 1960 | 2.52 | 4.00 | 0.22 | <0.02 | 90.7 | 9.8 | 81 | 4.97 | 29.7 |
| W233249 | | 3.61 | 0.10 | 0.12 | 6.82 | 672 | 1790 | 2.39 | 3.83 | 0.20 | <0.02 | 86.5 | 9.0 | 76 | 4.61 | 27.3 |
| W233250 | | 1.24 | 0.39 | 0.41 | 6.83 | 1565 | 1760 | 2.23 | 11.25 | 0.12 | 0.03 | 85.8 | 3.3 | 76 | 3.95 | 6.6 |
| W233251 | | 4.36 | 0.01 | 0.06 | 6.94 | 544 | 1860 | 2.42 | 1.31 | 0.40 | 0.04 | 98.5 | 13.6 | 77 | 4.14 | 5.0 |
| W233252 | | 0.94 | 0.09 | 0.12 | 8.52 | 701 | 2410 | 3.00 | 8.30 | 0.17 | <0.02 | 125.0 | 4.8 | 90 | 5.11 | 7.1 |
| W233253 | | 3.13 | 0.01 | 0.10 | 9.49 | 366 | 2630 | 3.23 | 2.42 | 0.13 | <0.02 | 140.0 | 2.8 | 101 | 5.85 | 3.4 |
| W233254 | | 2.03 | 0.11 | 0.40 | 1.20 | 213 | 250 | 0.38 | 1.27 | 0.08 | 0.06 | 14.80 | 3.1 | 34 | 0.76 | 7.1 |
| W233255 | | 4.25 | 0.47 | 0.54 | 8.83 | 301 | 2560 | 3.21 | 5.57 | 0.06 | 0.04 | 107.0 | 4.2 | 88 | 6.04 | 5.5 |
| W233256 | | 0.16 | 1.36 | 76.0 | 7.07 | 32.0 | 4390 | 0.93 | 0.12 | 1.85 | 15.50 | 26.8 | 4.8 | 18 | 0.40 | 220 |
| W233257 | | 2.22 | 0.03 | 0.19 | 8.26 | 771 | 2330 | 3.09 | 3.56 | 0.21 | 0.53 | 127.0 | 33.2 | 81 | 5.49 | 11.7 |
| W233258 | | 1.46 | 0.03 | 0.14 | 7.74 | 318 | 2370 | 3.06 | 3.45 | 0.06 | <0.02 | 98.2 | 3.1 | 71 | 5.94 | 4.7 |
| W233259 | | 1.02 | 0.01 | 0.12 | 7.62 | 237 | 2240 | 2.93 | 3.84 | 0.05 | <0.02 | 114.0 | 1.0 | 76 | 5.85 | 2.2 |
| W233260 | | 0.20 | 0.05 | 0.22 | 2.71 | 2580 | 770 | 1.01 | 8.71 | 0.27 | <0.02 | 52.7 | 1.6 | 37 | 1.90 | 3.5 |
| W233261 | | 2.04 | 0.14 | 0.07 | 6.42 | 1065 | 1780 | 2.59 | 4.91 | 0.12 | 0.08 | 93.9 | 11.7 | 66 | 4.20 | 6.4 |
| W233262 | | <0.02 | 0.08 | 0.05 | 6.24 | 1040 | 1720 | 2.28 | 4.39 | 0.12 | <0.02 | 86.0 | 10.6 | 67 | 3.92 | 5.9 |
| W233263 | | 0.46 | 0.03 | 0.26 | 7.94 | 1680 | 2180 | 3.04 | 7.69 | 0.13 | 0.08 | 114.5 | 35.5 | 76 | 5.00 | 7.8 |
| W233264 | | 1.80 | 0.10 | 0.09 | 8.99 | 1200 | 2430 | 3.59 | 5.73 | 0.21 | 0.06 | 153.0 | 12.9 | 87 | 5.62 | 10.1 |
| W233266 | | 0.31 | 0.14 | 0.06 | 5.30 | 126.0 | 1400 | 1.95 | 3.15 | 0.05 | 0.04 | 43.0 | 2.3 | 54 | 2.84 | 5.8 |
| W233267 | | 2.38 | 0.10 | 0.57 | 9.60 | 515 | 3060 | 3.62 | 1.57 | 0.18 | 0.05 | 80.2 | 2.7 | 77 | 6.09 | 3.6 |
| W233268 | | 1.05 | 0.04 | 0.15 | 2.10 | 1025 | 550 | 0.79 | 0.58 | 0.46 | 0.23 | 36.1 | 8.2 | 28 | 1.16 | 3.6 |
| W233269 | | 4.55 | 0.12 | >100 | 7.72 | 1015 | 2420 | 2.79 | 3.22 | 0.28 | 0.25 | 115.0 | 22.7 | 61 | 4.23 | 8470 |
| W233270 | | 3.77 | 0.14 | 2.51 | 7.86 | 759 | 2500 | 3.03 | 5.44 | 0.23 | 0.76 | 150.5 | 25.3 | 63 | 4.64 | 74.8 |
| W233265 | | 0.16 | 0.68 | 1.33 | 7.21 | 24.9 | 850 | 1.11 | 0.17 | 1.82 | 1.04 | 23.7 | 4.6 | 13 | 0.31 | 43.4 |
| W233271 | | 3.75 | 0.17 | 6.01 | 7.40 | 784 | 2300 | 2.83 | 3.18 | 0.76 | 1.63 | 108.5 | 43.5 | 66 | 4.57 | 65.2 |
| W233272 | | 5.25 | 0.03 | 0.18 | 8.31 | 294 | 2380 | 2.96 | 1.09 | 0.81 | 0.26 | 108.0 | 14.5 | 89 | 6.70 | 17.2 |
| W233273 | | 2.22 | 0.03 | 1.06 | 7.02 | 345 | 1950 | 2.40 | 0.70 | 0.70 | 0.36 | 88.0 | 15.4 | 87 | 5.81 | 15.1 |
| W233274 | | 0.40 | 0.04 | 0.35 | 5.97 | 231 | 1680 | 2.15 | 0.39 | 0.28 | 0.42 | 87.4 | 11.7 | 80 | 3.75 | 8.9 |
| W233275 | | 2.01 | 0.14 | 1.85 | 7.50 | 511 | 2150 | 2.79 | 1.20 | 0.24 | 0.30 | 99.9 | 20.0 | 90 | 4.60 | 35.9 |
| W233276 | | 3.44 | 0.29 | 0.24 | 7.74 | 501 | 2310 | 2.89 | 2.77 | 0.24 | 0.35 | 108.0 | 13.1 | 74 | 4.68 | 63.0 |
| W233277 | | 1.64 | 0.10 | 0.25 | 8.37 | 266 | 2720 | 3.21 | 1.53 | 0.56 | 0.22 | 103.5 | 9.9 | 65 | 5.73 | 34.6 |
| W233278 | | 1.56 | 0.12 | 0.51 | 8.31 | 347 | 2660 | 3.09 | 2.76 | 0.57 | 0.28 | 105.5 | 13.0 | 67 | 5.54 | 43.1 |
| W233279 | | 3.02 | 0.55 | 0.63 | 8.98 | 228 | 2950 | 3.36 | 2.59 | 0.53 | 0.05 | 108.0 | 10.1 | 69 | 6.07 | 23.4 |
| W233280 | | 4.51 | 0.27 | 0.12 | 7.50 | 196.5 | 2310 | 2.41 | 0.58 | 1.95 | 0.24 | 104.0 | 14.8 | 51 | 10.50 | 18.2 |

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

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**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204427

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233241 | | 3.36 | 20.7 | 0.15 | 2.4 | 0.057 | 3.34 | 55.4 | 11.0 | 0.68 | 373 | 0.55 | 0.09 | 20.9 | 30.6 | 1320 |
| W233242 | | 3.77 | 22.4 | 0.17 | 2.8 | 0.067 | 3.88 | 53.1 | 12.3 | 1.00 | 730 | 0.65 | 0.07 | 17.2 | 30.4 | 1380 |
| W233243 | | 3.04 | 22.4 | 0.18 | 2.9 | 0.059 | 3.91 | 55.5 | 11.5 | 0.70 | 625 | 1.09 | 0.07 | 18.4 | 35.2 | 2280 |
| W233244 | | 0.16 | 0.39 | 0.14 | <0.1 | <0.005 | 0.02 | 1.1 | 1.1 | 1.21 | 94 | 0.07 | 0.03 | 0.2 | 1.0 | 70 |
| W233245 | | 4.03 | 19.00 | 0.23 | 2.6 | 0.055 | 3.27 | 44.8 | 10.6 | 0.48 | 377 | 4.03 | 0.06 | 15.5 | 49.1 | 1280 |
| W233246 | | 3.83 | 20.9 | 0.22 | 3.4 | 0.060 | 3.53 | 48.4 | 11.9 | 0.48 | 242 | 6.66 | 0.07 | 17.6 | 44.8 | 2090 |
| W233247 | | 5.78 | 15.45 | 0.15 | 2.3 | 0.051 | 2.54 | 39.9 | 9.2 | 0.40 | 560 | 6.71 | 0.05 | 9.8 | 52.4 | 1860 |
| W233248 | | 3.82 | 21.4 | 0.18 | 3.1 | 0.054 | 3.52 | 48.2 | 12.4 | 0.53 | 313 | 2.32 | 0.09 | 17.7 | 28.5 | 1240 |
| W233249 | | 3.50 | 20.0 | 0.20 | 2.9 | 0.053 | 3.20 | 45.8 | 11.7 | 0.49 | 285 | 2.12 | 0.08 | 16.7 | 26.2 | 1140 |
| W233250 | | 3.01 | 19.60 | 0.24 | 2.7 | 0.045 | 3.16 | 45.8 | 10.3 | 0.46 | 170 | 1.99 | 0.08 | 13.9 | 6.4 | 960 |
| W233251 | | 2.34 | 21.0 | 0.28 | 2.6 | 0.051 | 3.36 | 52.9 | 10.8 | 0.45 | 412 | 0.63 | 0.07 | 18.4 | 35.1 | 800 |
| W233252 | | 1.70 | 26.4 | 0.33 | 4.2 | 0.068 | 4.14 | 66.6 | 12.5 | 0.46 | 79 | 0.32 | 0.08 | 32.8 | 14.1 | 860 |
| W233253 | | 1.61 | 29.0 | 0.32 | 3.6 | 0.067 | 4.62 | 74.1 | 12.5 | 0.54 | 84 | 0.64 | 0.10 | 27.4 | 7.6 | 700 |
| W233254 | | 1.62 | 3.70 | 0.14 | 0.3 | 0.013 | 0.41 | 7.8 | 2.0 | 0.15 | 154 | 0.63 | 0.04 | 2.7 | 7.7 | 200 |
| W233255 | | 1.88 | 26.8 | 0.30 | 4.1 | 0.067 | 4.42 | 55.4 | 14.5 | 0.50 | 123 | 1.67 | 0.07 | 41.3 | 13.6 | 330 |
| W233256 | | 2.50 | 14.00 | 0.24 | 1.8 | 0.041 | 1.47 | 14.4 | 2.6 | 0.55 | 716 | 6.92 | 3.26 | 5.9 | 8.0 | 500 |
| W233257 | | 4.29 | 25.1 | 0.31 | 3.4 | 0.069 | 4.06 | 65.8 | 12.8 | 0.50 | 1910 | 2.14 | 0.07 | 31.6 | 81.3 | 1330 |
| W233258 | | 1.34 | 23.5 | 0.15 | 3.4 | 0.059 | 3.91 | 54.2 | 14.2 | 0.54 | 103 | 0.81 | 0.07 | 36.7 | 13.2 | 1140 |
| W233259 | | 1.10 | 23.3 | 0.19 | 3.4 | 0.062 | 3.80 | 61.5 | 14.3 | 0.52 | 80 | 1.05 | 0.07 | 35.5 | 5.6 | 730 |
| W233260 | | 3.49 | 8.21 | 0.11 | 1.2 | 0.025 | 1.27 | 28.3 | 5.1 | 0.17 | 267 | 4.00 | 0.03 | 8.1 | 7.8 | 2360 |
| W233261 | | 2.90 | 18.80 | 0.19 | 2.6 | 0.056 | 3.07 | 50.3 | 10.4 | 0.40 | 202 | 1.34 | 0.06 | 24.1 | 31.7 | 1080 |
| W233262 | | 3.10 | 17.45 | 0.14 | 2.4 | 0.043 | 2.96 | 46.7 | 9.6 | 0.39 | 227 | 1.45 | 0.06 | 21.9 | 29.6 | 1050 |
| W233263 | | 5.45 | 22.7 | 0.20 | 3.1 | 0.059 | 3.81 | 61.8 | 12.4 | 0.51 | 382 | 1.35 | 0.08 | 26.9 | 90.5 | 1040 |
| W233264 | | 3.89 | 27.0 | 0.24 | 3.7 | 0.074 | 4.22 | 82.3 | 14.0 | 0.55 | 214 | 1.06 | 0.09 | 32.4 | 32.8 | 1370 |
| W233266 | | 1.21 | 15.95 | 0.14 | 1.5 | 0.038 | 2.48 | 22.6 | 7.1 | 0.27 | 116 | 0.49 | 0.05 | 25.3 | 8.9 | 300 |
| W233267 | | 1.24 | 30.6 | 0.20 | 3.5 | 0.075 | 4.75 | 43.1 | 12.3 | 0.53 | 93 | 0.57 | 0.09 | 53.5 | 6.7 | 880 |
| W233268 | | 1.68 | 6.09 | 0.12 | 0.8 | 0.018 | 0.91 | 20.5 | 2.9 | 0.28 | 425 | 0.60 | 0.03 | 9.1 | 11.3 | 720 |
| W233269 | | 3.36 | 23.0 | 0.24 | 3.1 | 0.062 | 3.63 | 64.8 | 9.9 | 0.38 | 276 | 2.50 | 0.07 | 28.6 | 516 | 1370 |
| W233270 | | 5.51 | 23.5 | 0.22 | 4.4 | 0.072 | 3.72 | 85.6 | 10.9 | 0.41 | 441 | 2.36 | 0.07 | 56.0 | 42.0 | 1630 |
| W233265 | | 2.38 | 13.40 | 0.17 | 1.8 | 0.055 | 1.50 | 12.6 | 2.4 | 0.56 | 721 | 4.79 | 3.36 | 5.7 | 5.0 | 430 |
| W233271 | | 6.78 | 21.7 | 0.21 | 3.2 | 0.070 | 3.49 | 61.2 | 10.1 | 0.38 | 1140 | 6.14 | 0.07 | 28.6 | 62.7 | 3880 |
| W233272 | | 4.60 | 23.8 | 0.24 | 3.1 | 0.082 | 4.04 | 58.0 | 11.3 | 0.60 | 1140 | 1.39 | 0.07 | 31.6 | 41.1 | 1530 |
| W233273 | | 5.12 | 19.55 | 0.21 | 2.6 | 0.062 | 3.38 | 46.9 | 9.5 | 0.50 | 1360 | 1.81 | 0.06 | 22.2 | 44.1 | 1210 |
| W233274 | | 3.18 | 17.30 | 0.19 | 1.9 | 0.057 | 2.88 | 46.9 | 8.3 | 0.32 | 1360 | 1.54 | 0.05 | 17.1 | 28.0 | 1330 |
| W233275 | | 4.40 | 21.8 | 0.25 | 2.5 | 0.071 | 3.67 | 52.8 | 11.0 | 0.39 | 1030 | 2.47 | 0.07 | 17.9 | 45.2 | 1220 |
| W233276 | | 4.77 | 23.2 | 0.23 | 3.0 | 0.076 | 3.75 | 60.7 | 11.6 | 0.38 | 709 | 2.07 | 0.06 | 21.2 | 38.9 | 1270 |
| W233277 | | 2.65 | 25.1 | 0.22 | 3.2 | 0.078 | 4.10 | 58.0 | 13.4 | 0.49 | 384 | 1.93 | 0.07 | 35.9 | 25.4 | 1960 |
| W233278 | | 3.91 | 24.1 | 0.26 | 3.3 | 0.070 | 4.02 | 59.4 | 12.7 | 0.47 | 521 | 2.58 | 0.07 | 33.6 | 33.0 | 1970 |
| W233279 | | 3.39 | 26.2 | 0.25 | 3.7 | 0.082 | 4.44 | 61.2 | 14.0 | 0.52 | 361 | 1.50 | 0.08 | 39.8 | 24.8 | 2010 |
| W233280 | | 6.00 | 21.0 | 0.22 | 1.9 | 0.073 | 3.72 | 57.2 | 12.8 | 1.38 | 1040 | 0.93 | 0.06 | 37.3 | 34.9 | 1910 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204427

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233241 | | 2.6 | 144.0 | <0.002 | 0.02 | 1.26 | 13.8 | 1 | 20.0 | 38.6 | 1.10 | <0.05 | 12.20 | 0.489 | 0.67 | 2.6 |
| W233242 | | 1.7 | 168.5 | <0.002 | 0.01 | 1.14 | 14.1 | 1 | 21.1 | 38.7 | 0.90 | <0.05 | 15.05 | 0.412 | 0.73 | 2.6 |
| W233243 | | 6.2 | 165.0 | <0.002 | 0.02 | 1.06 | 14.0 | 1 | 22.5 | 37.2 | 1.00 | 0.08 | 17.00 | 0.436 | 0.72 | 2.7 |
| W233244 | | 1.5 | 0.7 | <0.002 | <0.01 | 0.07 | 0.2 | 1 | <0.2 | 82.9 | <0.05 | <0.05 | 0.09 | <0.005 | <0.02 | 0.2 |
| W233245 | | 3.8 | 145.0 | <0.002 | 0.03 | 0.98 | 12.0 | 1 | 18.4 | 36.6 | 0.87 | 0.05 | 13.00 | 0.360 | 0.64 | 3.0 |
| W233246 | | 3.3 | 155.0 | <0.002 | 0.05 | 1.57 | 13.4 | 2 | 19.3 | 57.2 | 1.00 | 0.17 | 13.75 | 0.398 | 0.73 | 3.9 |
| W233247 | | 4.4 | 114.0 | <0.002 | 0.11 | 2.11 | 9.9 | 2 | 14.8 | 58.5 | 0.56 | 0.15 | 12.05 | 0.243 | 0.55 | 3.4 |
| W233248 | | 2.6 | 154.0 | <0.002 | 0.07 | 1.27 | 14.6 | 1 | 20.9 | 45.9 | 1.00 | 0.06 | 11.85 | 0.404 | 0.70 | 3.0 |
| W233249 | | 2.3 | 142.5 | <0.002 | 0.06 | 1.18 | 13.0 | 1 | 19.6 | 42.1 | 0.93 | 0.09 | 11.10 | 0.376 | 0.67 | 2.8 |
| W233250 | | 3.2 | 136.5 | <0.002 | 0.11 | 1.38 | 12.4 | 2 | 19.6 | 57.3 | 0.80 | 0.13 | 11.75 | 0.338 | 0.65 | 2.4 |
| W233251 | | 1.5 | 146.5 | <0.002 | 0.02 | 0.92 | 12.3 | 1 | 19.0 | 33.0 | 1.06 | <0.05 | 13.15 | 0.383 | 0.67 | 2.4 |
| W233252 | | 1.8 | 181.5 | 0.002 | 0.03 | 1.02 | 15.7 | 1 | 26.4 | 42.6 | 1.86 | 0.12 | 19.00 | 0.574 | 0.85 | 4.1 |
| W233253 | | 1.9 | 198.5 | 0.002 | 0.03 | 1.01 | 17.1 | 1 | 31.8 | 37.7 | 1.51 | 0.06 | 16.90 | 0.558 | 0.88 | 2.9 |
| W233254 | | 3.2 | 17.8 | <0.002 | 0.01 | 0.59 | 2.3 | 1 | 3.5 | 10.5 | 0.13 | 0.05 | 1.85 | 0.063 | 0.11 | 0.4 |
| W233255 | | 3.0 | 189.0 | <0.002 | 0.01 | 1.94 | 16.7 | 2 | 27.3 | 28.9 | 2.21 | 0.09 | 10.15 | 0.756 | 0.88 | 3.1 |
| W233256 | | 1460 | 31.2 | 0.010 | 0.48 | 111.5 | 6.9 | 3 | 1.7 | 215 | 0.38 | 0.05 | 2.86 | 0.195 | 0.35 | 1.6 |
| W233257 | | 2.4 | 178.5 | 0.002 | 0.03 | 1.55 | 16.5 | 2 | 26.5 | 39.3 | 1.60 | 0.06 | 19.15 | 0.551 | 0.82 | 3.8 |
| W233258 | | 3.1 | 177.5 | 0.002 | 0.02 | 1.08 | 15.5 | 1 | 22.8 | 22.7 | 1.91 | 0.07 | 9.67 | 0.706 | 0.82 | 2.6 |
| W233259 | | 3.0 | 176.0 | <0.002 | 0.02 | 0.98 | 14.3 | 1 | 19.1 | 23.6 | 2.00 | 0.05 | 11.00 | 0.648 | 0.80 | 2.6 |
| W233260 | | 2.5 | 58.0 | <0.002 | 0.03 | 2.00 | 5.3 | 3 | 7.6 | 36.0 | 0.45 | 0.11 | 6.35 | 0.177 | 0.29 | 1.6 |
| W233261 | | 2.5 | 138.0 | <0.002 | 0.02 | 1.66 | 11.9 | 2 | 18.6 | 34.8 | 1.28 | 0.05 | 13.00 | 0.466 | 0.66 | 3.0 |
| W233262 | | 2.2 | 126.0 | <0.002 | 0.02 | 1.48 | 10.8 | 2 | 17.3 | 32.8 | 1.17 | <0.05 | 11.35 | 0.453 | 0.59 | 2.7 |
| W233263 | | 3.4 | 166.0 | <0.002 | 0.05 | 2.25 | 14.2 | 2 | 24.1 | 39.9 | 1.41 | 0.11 | 16.00 | 0.536 | 0.79 | 3.9 |
| W233264 | | 3.9 | 190.0 | <0.002 | 0.04 | 1.95 | 16.9 | 2 | 29.1 | 59.6 | 1.68 | 0.08 | 18.95 | 0.611 | 0.85 | 4.3 |
| W233266 | | 3.1 | 111.5 | <0.002 | 0.01 | 1.20 | 9.5 | 1 | 18.5 | 26.3 | 1.32 | 0.06 | 5.35 | 0.501 | 0.52 | 1.8 |
| W233267 | | 2.3 | 206 | <0.002 | 0.02 | 0.87 | 21.2 | 1 | 25.9 | 43.4 | 2.71 | 0.05 | 12.75 | 1.005 | 1.01 | 3.2 |
| W233268 | | 4.4 | 41.5 | <0.002 | 0.03 | 0.51 | 4.5 | 1 | 7.0 | 25.3 | 0.47 | 0.08 | 3.65 | 0.184 | 0.21 | 1.2 |
| W233269 | | 2.2 | 156.5 | 0.029 | 0.03 | 1.00 | 17.0 | 2 | 22.0 | 39.1 | 1.92 | 0.25 | 12.65 | 0.722 | 1.04 | 3.5 |
| W233270 | | 2.4 | 164.5 | <0.002 | 0.06 | 1.66 | 17.8 | 4 | 19.5 | 33.1 | 2.94 | 0.10 | 17.45 | 0.600 | 0.84 | 5.1 |
| W233265 | | 121.0 | 29.4 | <0.002 | 0.12 | 14.45 | 6.6 | 1 | 1.1 | 208 | 0.39 | <0.05 | 2.67 | 0.200 | 0.42 | 1.2 |
| W233271 | | 2.3 | 155.0 | <0.002 | 0.03 | 1.46 | 16.9 | 3 | 16.6 | 41.6 | 1.41 | 0.06 | 10.85 | 0.499 | 0.84 | 3.9 |
| W233272 | | 2.0 | 193.0 | <0.002 | 0.02 | 1.09 | 15.6 | 2 | 16.2 | 36.7 | 1.64 | <0.05 | 14.85 | 0.657 | 1.07 | 3.4 |
| W233273 | | 2.1 | 162.5 | <0.002 | 0.02 | 0.90 | 13.1 | 2 | 12.3 | 31.5 | 1.24 | <0.05 | 11.35 | 0.562 | 0.89 | 2.8 |
| W233274 | | 3.1 | 133.0 | 0.002 | 0.02 | 0.76 | 11.7 | 2 | 13.4 | 28.1 | 0.95 | <0.05 | 10.20 | 0.446 | 0.64 | 2.1 |
| W233275 | | 2.6 | 166.0 | <0.002 | 0.03 | 0.98 | 15.0 | 2 | 18.3 | 29.5 | 1.01 | 0.05 | 13.15 | 0.440 | 0.75 | 2.6 |
| W233276 | | 2.4 | 169.5 | <0.002 | 0.02 | 1.56 | 16.6 | 3 | 20.8 | 28.0 | 1.11 | 0.06 | 11.25 | 0.462 | 0.78 | 3.0 |
| W233277 | | 1.6 | 187.0 | 0.002 | 0.01 | 1.00 | 19.6 | 2 | 20.0 | 34.9 | 1.89 | 0.05 | 11.30 | 0.702 | 0.84 | 3.3 |
| W233278 | | 2.1 | 178.0 | <0.002 | 0.02 | 1.34 | 18.8 | 2 | 18.9 | 34.4 | 1.74 | 0.08 | 11.40 | 0.651 | 0.86 | 3.5 |
| W233279 | | 1.9 | 191.5 | <0.002 | 0.02 | 1.30 | 20.0 | 3 | 19.8 | 35.6 | 2.02 | 0.08 | 11.30 | 0.775 | 0.90 | 3.9 |
| W233280 | | 1.5 | 182.0 | <0.002 | 0.02 | 0.79 | 17.3 | 3 | 15.9 | 48.5 | 1.92 | <0.05 | 10.20 | 0.700 | 1.28 | 2.5 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 15-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204427

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Ag-OG62 | Ag-GRA21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr | Ag | Ag |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 | 1 | 5 |
| W233241 | | 133 | 8.4 | 14.2 | 28 | 102.0 | | |
| W233242 | | 136 | 6.8 | 14.1 | 49 | 130.5 | | |
| W233243 | | 150 | 7.7 | 13.5 | 33 | 115.5 | | |
| W233244 | | 1 | 0.1 | 2.0 | 5 | 1.8 | | |
| W233245 | | 190 | 6.1 | 11.4 | 29 | 105.0 | | |
| W233246 | | 226 | 7.0 | 16.1 | 27 | 127.0 | | |
| W233247 | | 171 | 4.7 | 13.3 | 22 | 92.5 | | |
| W233248 | | 190 | 6.6 | 11.5 | 17 | 124.5 | | |
| W233249 | | 173 | 6.2 | 10.5 | 15 | 114.0 | | |
| W233250 | | 138 | 5.9 | 6.5 | 10 | 103.0 | | |
| W233251 | | 126 | 6.6 | 10.4 | 17 | 102.5 | | |
| W233252 | | 160 | 9.8 | 12.7 | 12 | 169.0 | | |
| W233253 | | 192 | 10.1 | 9.0 | 12 | 140.5 | | |
| W233254 | | 24 | 2.6 | 1.8 | 16 | 12.4 | | |
| W233255 | | 175 | 11.7 | 9.4 | 16 | 166.5 | | |
| W233256 | | 53 | 10.8 | 17.1 | 2770 | 59.5 | | |
| W233257 | | 149 | 9.3 | 19.0 | 43 | 148.0 | | |
| W233258 | | 153 | 9.5 | 7.9 | 8 | 140.5 | | |
| W233259 | | 144 | 8.1 | 9.0 | 7 | 137.0 | | |
| W233260 | | 58 | 2.9 | 6.4 | 7 | 57.7 | | |
| W233261 | | 122 | 6.6 | 10.0 | 23 | 109.5 | | |
| W233262 | | 118 | 5.9 | 9.5 | 22 | 104.5 | | |
| W233263 | | 147 | 7.3 | 16.0 | 42 | 151.0 | | |
| W233264 | | 165 | 8.7 | 16.7 | 29 | 157.5 | | |
| W233266 | | 93 | 7.5 | 5.5 | 12 | 61.5 | | |
| W233267 | | 225 | 15.7 | 10.2 | 12 | 149.5 | | |
| W233268 | | 48 | 3.7 | 5.0 | 20 | 33.4 | | |
| W233269 | | 144 | 4020 | 13.4 | 23 | 130.5 | >1500 | 3350 |
| W233270 | | 160 | 24.9 | 21.3 | 46 | 197.0 | | |
| W233265 | | 39 | 10.5 | 16.0 | 213 | 62.4 | | |
| W233271 | | 209 | 36.5 | 22.0 | 77 | 140.0 | | |
| W233272 | | 147 | 8.8 | 14.3 | 55 | 136.0 | | |
| W233273 | | 125 | 11.2 | 12.7 | 63 | 101.0 | | |
| W233274 | | 110 | 8.0 | 9.5 | 38 | 78.8 | | |
| W233275 | | 132 | 12.4 | 12.9 | 46 | 105.0 | | |
| W233276 | | 174 | 7.5 | 13.5 | 64 | 128.0 | | |
| W233277 | | 229 | 9.6 | 15.9 | 55 | 136.0 | | |
| W233278 | | 225 | 9.2 | 16.5 | 61 | 139.0 | | |
| W233279 | | 262 | 10.3 | 16.2 | 43 | 154.0 | | |
| W233280 | | 169 | 8.2 | 15.3 | 134 | 89.6 | | |

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

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Project: Rau


**Finalized Date: 15-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20204427

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| | LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| | SPL-21 | SPL-21d | WEI-21 | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Ag-GRA21 | Ag-OG62 | Au-AA26 | ME-MS61 |
| | ME-OG62 | | | |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20204414

Project: Rau

P.O. No.: R20-D13

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 14-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 11-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204414

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613361 | | 5.99 | <0.01 | 0.09 | 5.89 | 31.6 | 2250 | 1.49 | 5.76 | 2.87 | 0.17 | 69.1 | 14.4 | 93 | 3.54 | 22.1 |
| R613362 | | 4.33 | 0.01 | 0.06 | 6.35 | 36.0 | 2470 | 1.74 | 2.70 | 2.47 | 0.12 | 77.0 | 18.3 | 105 | 4.07 | 29.8 |
| R613363 | | 0.68 | 0.02 | 0.25 | 4.47 | 48.4 | 1660 | 1.13 | 2.08 | 4.26 | 0.32 | 57.1 | 22.5 | 83 | 2.72 | 29.4 |
| R613364 | | 0.62 | 0.01 | 0.11 | 2.67 | 41.0 | 930 | 0.64 | 0.72 | 7.26 | 0.48 | 57.7 | 31.6 | 50 | 1.53 | 43.2 |
| R613365 | | 1.10 | <0.01 | 0.04 | 8.44 | 66.4 | 3400 | 2.33 | 0.96 | 3.79 | 0.22 | 138.5 | 23.1 | 154 | 6.40 | 23.6 |
| R613366 | | 0.96 | 0.01 | 0.10 | 3.47 | 47.4 | 1290 | 0.93 | 1.01 | 4.36 | 0.33 | 54.2 | 26.3 | 65 | 1.98 | 26.2 |
| R613367 | | 0.16 | 0.66 | 1.57 | 7.43 | 30.8 | 890 | 1.10 | 0.21 | 1.87 | 1.19 | 28.4 | 5.2 | 14 | 0.36 | 43.6 |
| R613368 | | 5.43 | 0.01 | 0.07 | 6.28 | 26.7 | 2390 | 1.62 | 1.83 | 3.42 | 0.13 | 80.0 | 17.1 | 106 | 3.98 | 30.4 |
| R613369 | | 1.93 | 0.01 | 0.12 | 4.43 | 152.5 | 1600 | 1.11 | 2.46 | 4.37 | 0.17 | 68.9 | 30.4 | 81 | 2.54 | 38.3 |
| R613370 | | 1.09 | 0.01 | 0.08 | 3.73 | 133.5 | 1320 | 1.21 | 0.83 | 5.95 | 0.18 | 75.6 | 18.8 | 80 | 2.49 | 15.8 |
| R613371 | | 3.87 | 0.01 | 0.08 | 5.81 | 91.8 | 2250 | 1.59 | 1.17 | 4.14 | 0.12 | 75.6 | 20.1 | 90 | 3.92 | 23.4 |
| R613372 | | 5.57 | 0.01 | 0.06 | 5.28 | 35.8 | 1950 | 1.48 | 1.27 | 3.94 | 0.10 | 68.3 | 17.7 | 89 | 3.30 | 29.0 |
| R613373 | | 8.46 | <0.01 | 0.06 | 6.30 | 23.7 | 2350 | 1.62 | 0.77 | 4.30 | 0.11 | 98.3 | 13.3 | 55 | 3.37 | 20.4 |
| R613374 | | 2.65 | <0.01 | 0.08 | 5.92 | 18.9 | 2190 | 1.62 | 0.46 | 5.15 | 0.12 | 101.0 | 10.2 | 46 | 3.16 | 19.2 |
| R613375 | | 6.80 | <0.01 | 0.08 | 6.03 | 29.0 | 2250 | 1.57 | 0.54 | 4.49 | 0.23 | 85.3 | 9.8 | 48 | 3.16 | 15.1 |
| R613376 | | 0.16 | 0.66 | 1.33 | 7.18 | 26.2 | 910 | 0.99 | 0.24 | 1.82 | 1.03 | 24.3 | 4.9 | 13 | 0.34 | 41.6 |
| R613377 | | 6.53 | <0.01 | 0.09 | 5.80 | 28.3 | 2160 | 1.54 | 1.26 | 3.92 | 0.09 | 88.8 | 15.8 | 66 | 3.10 | 18.6 |
| R613378 | | 4.20 | <0.01 | 0.05 | 5.98 | 37.2 | 2190 | 1.65 | 0.88 | 5.26 | 0.10 | 76.0 | 12.8 | 98 | 3.42 | 16.9 |
| R613379 | | 1.77 | 0.02 | 0.08 | 3.94 | 91.5 | 1330 | 1.03 | 3.27 | 5.35 | 0.13 | 52.9 | 20.5 | 65 | 2.04 | 30.5 |
| R613380 | | 0.91 | 0.01 | 0.25 | 5.67 | 104.5 | 2060 | 1.70 | 1.56 | 4.69 | 0.12 | 72.1 | 20.5 | 96 | 3.81 | 33.8 |
| R613381 | | 0.95 | 0.01 | 0.25 | 5.42 | 102.0 | 1960 | 1.64 | 6.61 | 4.73 | 0.10 | 73.7 | 19.4 | 90 | 3.72 | 33.7 |
| R613382 | | 2.59 | 0.01 | 0.05 | 6.79 | 29.0 | 2450 | 1.74 | 4.03 | 4.60 | 0.13 | 73.8 | 9.6 | 95 | 3.79 | 19.0 |
| R613383 | | 0.85 | <0.01 | 0.07 | 7.17 | 28.5 | 2680 | 2.04 | 3.83 | 2.69 | 0.07 | 78.0 | 13.6 | 100 | 4.39 | 33.7 |
| R613384 | | 1.34 | <0.01 | 0.05 | 7.59 | 22.9 | 2900 | 2.11 | 1.39 | 2.89 | 0.03 | 79.9 | 6.8 | 116 | 4.56 | 17.0 |
| R613385 | | 1.73 | 0.02 | 0.11 | 4.90 | 104.5 | 1690 | 1.36 | 8.46 | 5.08 | 0.09 | 77.3 | 22.5 | 106 | 2.75 | 64.3 |
| R613386 | | 4.75 | 0.01 | 0.07 | 5.71 | 60.0 | 2060 | 1.71 | 6.33 | 4.47 | 0.13 | 66.7 | 11.9 | 83 | 3.33 | 34.0 |
| R613387 | | 8.03 | <0.01 | 0.05 | 6.39 | 33.7 | 2320 | 1.75 | 5.70 | 3.09 | 0.12 | 71.1 | 11.4 | 93 | 3.66 | 39.6 |
| R613388 | | 1.15 | 0.02 | 0.17 | 3.32 | 59.0 | 610 | 0.97 | 149.5 | 4.21 | 0.28 | 62.5 | 32.1 | 100 | 1.80 | 125.5 |
| R613389 | | 3.69 | 0.01 | 0.11 | 6.68 | 27.4 | 2420 | 1.94 | 4.48 | 2.78 | 0.26 | 68.0 | 12.3 | 105 | 4.11 | 38.9 |
| R613390 | | 5.85 | 0.01 | 0.08 | 5.67 | 13.6 | 2030 | 1.52 | 7.46 | 3.64 | 0.11 | 68.3 | 14.8 | 92 | 3.29 | 49.1 |
| R613391 | | 3.61 | 0.01 | 0.12 | 4.85 | 55.7 | 1540 | 1.33 | 113.5 | 2.43 | 0.09 | 71.1 | 20.1 | 89 | 2.74 | 77.6 |
| R613392 | | 2.08 | <0.01 | 0.01 | 0.26 | 1.5 | 30 | 0.14 | 0.21 | 32.0 | <0.02 | 1.18 | 0.6 | 2 | <0.05 | 2.8 |
| R613393 | | 4.75 | 0.01 | 0.07 | 6.30 | 32.5 | 2220 | 1.83 | 4.18 | 3.92 | 0.10 | 72.8 | 10.8 | 94 | 3.69 | 48.6 |
| R613394 | | 6.47 | 0.01 | 0.10 | 6.58 | 24.0 | 2340 | 1.81 | 3.93 | 2.10 | 0.14 | 70.1 | 9.9 | 92 | 3.74 | 50.7 |
| R613395 | | 3.35 | 0.01 | 0.09 | 6.08 | 43.5 | 2150 | 1.70 | 7.06 | 3.75 | 0.17 | 62.6 | 14.5 | 87 | 3.34 | 64.2 |
| R613396 | | 2.83 | 0.01 | 0.10 | 5.64 | 121.0 | 1980 | 1.69 | 6.26 | 4.18 | 0.15 | 64.1 | 13.9 | 80 | 3.09 | 65.6 |
| R613397 | | <0.02 | 0.01 | 0.10 | 5.67 | 124.5 | 1990 | 1.76 | 6.19 | 4.24 | 0.12 | 63.3 | 13.7 | 81 | 3.15 | 63.8 |
| R613398 | | 0.47 | 0.08 | 0.18 | 1.87 | 253 | 490 | 0.71 | 7.91 | 0.27 | 0.06 | 28.1 | 3.0 | 33 | 1.07 | 2.1 |
| R613399 | | 5.40 | 0.01 | 0.08 | 5.71 | 77.9 | 1990 | 1.77 | 5.03 | 4.25 | 0.10 | 63.4 | 11.5 | 80 | 3.10 | 48.6 |
| R613400 | | 5.86 | 0.02 | 0.06 | 5.24 | 139.0 | 1830 | 1.63 | 5.18 | 4.22 | 0.13 | 69.5 | 15.5 | 88 | 3.02 | 51.5 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204414

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613361 | | 4.09 | 14.75 | 0.20 | 2.9 | 0.048 | 2.61 | 35.7 | 11.0 | 1.29 | 800 | 8.74 | 0.15 | 28.0 | 50.4 | 1370 |
| R613362 | | 4.73 | 16.50 | 0.20 | 3.5 | 0.053 | 2.87 | 39.9 | 12.2 | 1.14 | 746 | 6.72 | 0.17 | 28.5 | 55.5 | 1940 |
| R613363 | | 5.15 | 11.65 | 0.13 | 2.3 | 0.058 | 1.99 | 29.8 | 8.1 | 1.55 | 1380 | 8.11 | 0.12 | 21.9 | 56.3 | 1340 |
| R613364 | | 7.40 | 6.75 | 0.09 | 1.2 | 0.101 | 1.13 | 30.6 | 4.3 | 2.47 | 2420 | 5.04 | 0.07 | 9.0 | 69.5 | 1130 |
| R613365 | | 5.67 | 23.3 | 0.25 | 4.2 | 0.085 | 3.91 | 72.4 | 17.8 | 1.54 | 1070 | 5.42 | 0.23 | 46.7 | 62.2 | 2800 |
| R613366 | | 5.55 | 8.79 | 0.09 | 1.6 | 0.042 | 1.51 | 28.8 | 5.6 | 1.63 | 1430 | 3.72 | 0.09 | 13.1 | 70.8 | 1420 |
| R613367 | | 2.48 | 14.65 | 0.17 | 2.2 | 0.052 | 1.58 | 14.2 | 2.5 | 0.60 | 760 | 5.51 | 3.54 | 6.5 | 6.6 | 450 |
| R613368 | | 4.76 | 16.15 | 0.19 | 2.9 | 0.067 | 2.80 | 40.8 | 12.0 | 1.41 | 910 | 3.63 | 0.17 | 29.2 | 42.5 | 1990 |
| R613369 | | 5.38 | 11.50 | 0.10 | 2.0 | 0.042 | 1.96 | 37.6 | 7.6 | 1.64 | 1200 | 3.75 | 0.12 | 20.6 | 52.8 | 1610 |
| R613370 | | 5.28 | 9.79 | 0.14 | 2.2 | 0.040 | 1.60 | 41.4 | 8.0 | 2.05 | 1480 | 4.42 | 0.10 | 15.8 | 43.9 | 1620 |
| R613371 | | 3.75 | 15.35 | 0.16 | 3.1 | 0.051 | 2.59 | 39.1 | 12.1 | 1.64 | 979 | 7.48 | 0.15 | 28.9 | 49.1 | 1480 |
| R613372 | | 4.42 | 13.50 | 0.13 | 2.6 | 0.044 | 2.37 | 36.7 | 10.1 | 1.62 | 996 | 4.11 | 0.14 | 23.7 | 37.9 | 1830 |
| R613373 | | 3.66 | 16.85 | 0.19 | 3.0 | 0.058 | 2.80 | 53.4 | 10.4 | 1.70 | 849 | 1.92 | 0.16 | 37.0 | 31.2 | 1680 |
| R613374 | | 3.75 | 16.60 | 0.19 | 3.0 | 0.060 | 2.60 | 54.3 | 9.6 | 2.00 | 956 | 1.28 | 0.15 | 39.2 | 25.2 | 1440 |
| R613375 | | 3.42 | 16.45 | 0.17 | 3.0 | 0.054 | 2.67 | 46.3 | 9.7 | 1.77 | 872 | 1.31 | 0.15 | 36.2 | 23.5 | 1520 |
| R613376 | | 2.38 | 13.80 | 0.09 | 2.1 | 0.051 | 1.49 | 12.3 | 2.2 | 0.56 | 729 | 4.55 | 3.38 | 5.8 | 5.6 | 430 |
| R613377 | | 4.16 | 15.30 | 0.18 | 3.1 | 0.056 | 2.61 | 48.1 | 9.8 | 1.50 | 866 | 3.48 | 0.15 | 34.2 | 34.6 | 1930 |
| R613378 | | 3.95 | 15.15 | 0.17 | 2.8 | 0.058 | 2.70 | 40.7 | 10.7 | 1.84 | 1310 | 6.78 | 0.15 | 26.0 | 40.7 | 2170 |
| R613379 | | 5.13 | 9.77 | 0.13 | 1.7 | 0.049 | 1.73 | 28.1 | 5.8 | 1.71 | 1690 | 4.95 | 0.10 | 14.6 | 48.7 | 1460 |
| R613380 | | 5.50 | 14.55 | 0.16 | 2.8 | 0.055 | 2.51 | 40.6 | 10.2 | 1.84 | 1400 | 7.55 | 0.13 | 24.0 | 58.3 | 1720 |
| R613381 | | 5.30 | 14.15 | 0.15 | 2.9 | 0.051 | 2.43 | 39.4 | 10.1 | 1.87 | 1420 | 7.12 | 0.13 | 25.0 | 54.7 | 1740 |
| R613382 | | 3.32 | 16.95 | 0.15 | 3.6 | 0.059 | 3.14 | 38.1 | 10.5 | 1.77 | 1320 | 6.42 | 0.13 | 34.3 | 33.8 | 1220 |
| R613383 | | 3.70 | 18.65 | 0.17 | 3.7 | 0.069 | 3.31 | 41.9 | 11.8 | 1.23 | 789 | 10.60 | 0.13 | 32.9 | 36.2 | 1190 |
| R613384 | | 2.66 | 19.50 | 0.17 | 3.8 | 0.070 | 3.69 | 41.1 | 12.8 | 1.32 | 732 | 11.55 | 0.14 | 37.5 | 26.2 | 1350 |
| R613385 | | 6.75 | 12.50 | 0.17 | 2.5 | 0.050 | 2.25 | 40.8 | 7.7 | 1.90 | 1890 | 11.50 | 0.09 | 23.4 | 64.6 | 1330 |
| R613386 | | 4.25 | 14.70 | 0.16 | 2.9 | 0.051 | 2.68 | 34.3 | 9.0 | 1.63 | 1260 | 10.25 | 0.11 | 28.9 | 41.4 | 1140 |
| R613387 | | 4.27 | 16.30 | 0.15 | 3.3 | 0.055 | 3.00 | 36.7 | 9.8 | 1.31 | 1080 | 13.15 | 0.11 | 29.3 | 44.8 | 1210 |
| R613388 | | 8.33 | 8.54 | 0.14 | 1.7 | 0.050 | 1.51 | 32.2 | 5.1 | 1.61 | 2150 | 9.95 | 0.06 | 12.1 | 93.2 | 850 |
| R613389 | | 4.39 | 17.35 | 0.16 | 3.4 | 0.071 | 3.15 | 35.7 | 10.7 | 1.28 | 1340 | 9.83 | 0.11 | 32.2 | 51.9 | 1240 |
| R613390 | | 4.52 | 14.15 | 0.13 | 3.2 | 0.044 | 2.67 | 35.5 | 8.6 | 1.50 | 1100 | 9.39 | 0.10 | 26.4 | 39.8 | 1440 |
| R613391 | | 5.27 | 12.65 | 0.13 | 2.4 | 0.056 | 2.23 | 37.6 | 7.0 | 1.00 | 1020 | 8.00 | 0.08 | 19.8 | 53.0 | 1470 |
| R613392 | | 0.20 | 0.82 | <0.05 | 0.1 | <0.005 | 0.06 | 1.2 | 1.0 | 1.27 | 99 | 0.12 | 0.13 | 0.5 | 0.9 | 70 |
| R613393 | | 4.02 | 16.90 | 0.18 | 3.3 | 0.059 | 2.95 | 37.4 | 9.3 | 1.53 | 1020 | 11.55 | 0.11 | 31.4 | 42.7 | 1170 |
| R613394 | | 3.74 | 17.45 | 0.18 | 3.4 | 0.051 | 3.09 | 37.5 | 8.9 | 0.99 | 1120 | 10.90 | 0.11 | 31.0 | 43.4 | 1240 |
| R613395 | | 5.00 | 15.50 | 0.16 | 3.2 | 0.059 | 2.88 | 33.1 | 8.2 | 1.34 | 1200 | 12.55 | 0.10 | 28.0 | 64.9 | 1060 |
| R613396 | | 5.22 | 14.55 | 0.13 | 3.1 | 0.055 | 2.66 | 33.3 | 7.9 | 1.50 | 1160 | 14.75 | 0.10 | 27.5 | 59.7 | 1010 |
| R613397 | | 5.28 | 14.70 | 0.16 | 3.1 | 0.054 | 2.63 | 33.5 | 8.1 | 1.52 | 1170 | 14.45 | 0.10 | 26.7 | 57.9 | 1010 |
| R613398 | | 1.58 | 5.91 | 0.08 | 1.0 | 0.013 | 0.81 | 15.3 | 4.3 | 0.24 | 247 | 1.48 | 0.03 | 9.0 | 7.8 | 370 |
| R613399 | | 4.91 | 14.80 | 0.14 | 3.0 | 0.054 | 2.65 | 33.2 | 8.1 | 1.63 | 1170 | 12.65 | 0.10 | 27.1 | 46.9 | 1010 |
| R613400 | | 4.89 | 14.05 | 0.16 | 2.8 | 0.047 | 2.46 | 36.7 | 7.6 | 1.65 | 1340 | 8.89 | 0.09 | 24.8 | 50.4 | 1570 |

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

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**Finalized Date: 11-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204414

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613361 | | 6.3 | 108.5 | 0.002 | 0.04 | 0.78 | 13.3 | 1 | 3.0 | 80.8 | 1.47 | 0.08 | 8.75 | 0.494 | 0.61 | 4.2 |
| R613362 | | 5.8 | 122.0 | 0.005 | 0.09 | 0.84 | 14.6 | 2 | 3.4 | 76.9 | 1.59 | 0.05 | 9.46 | 0.518 | 0.68 | 4.4 |
| R613363 | | 16.1 | 86.8 | 0.013 | 0.42 | 0.68 | 9.9 | 2 | 2.7 | 82.4 | 1.21 | <0.05 | 7.11 | 0.378 | 0.52 | 3.4 |
| R613364 | | 14.2 | 48.8 | 0.015 | 0.24 | 0.88 | 7.0 | 4 | 1.4 | 115.5 | 0.46 | <0.05 | 4.17 | 0.174 | 0.34 | 2.4 |
| R613365 | | 5.0 | 175.5 | 0.008 | 0.43 | 1.66 | 20.7 | 3 | 5.3 | 115.5 | 2.47 | <0.05 | 14.35 | 0.817 | 1.00 | 4.6 |
| R613366 | | 8.7 | 63.9 | 0.014 | 0.20 | 0.78 | 8.1 | 2 | 2.0 | 83.7 | 0.74 | 0.05 | 5.53 | 0.255 | 0.38 | 2.6 |
| R613367 | | 134.0 | 32.1 | <0.002 | 0.12 | 16.85 | 7.6 | 1 | 1.3 | 216 | 0.43 | <0.05 | 3.18 | 0.212 | 0.49 | 1.4 |
| R613368 | | 4.2 | 121.0 | 0.004 | 0.07 | 0.81 | 14.6 | 2 | 3.4 | 100.5 | 1.56 | 0.08 | 8.89 | 0.549 | 0.62 | 3.1 |
| R613369 | | 6.1 | 85.4 | 0.007 | 0.11 | 0.76 | 10.1 | 2 | 2.4 | 96.3 | 1.15 | 0.08 | 7.50 | 0.377 | 0.46 | 2.9 |
| R613370 | | 4.6 | 72.4 | 0.010 | 0.15 | 0.62 | 8.9 | 1 | 2.0 | 140.5 | 0.85 | <0.05 | 7.31 | 0.304 | 0.37 | 2.8 |
| R613371 | | 3.3 | 120.0 | 0.004 | 0.10 | 0.61 | 12.9 | 2 | 3.3 | 115.0 | 1.50 | <0.05 | 9.26 | 0.505 | 0.60 | 3.8 |
| R613372 | | 3.7 | 103.5 | 0.003 | 0.14 | 0.66 | 11.9 | 2 | 2.9 | 109.0 | 1.30 | <0.05 | 8.25 | 0.454 | 0.55 | 3.4 |
| R613373 | | 3.0 | 121.5 | 0.010 | 0.14 | 0.67 | 12.4 | 1 | 3.7 | 124.0 | 1.95 | <0.05 | 11.70 | 0.585 | 0.63 | 3.4 |
| R613374 | | 3.2 | 115.5 | 0.010 | 0.10 | 0.63 | 12.1 | 1 | 3.7 | 155.0 | 1.98 | <0.05 | 10.30 | 0.563 | 0.56 | 2.9 |
| R613375 | | 5.6 | 115.0 | 0.005 | 0.11 | 0.59 | 12.2 | 1 | 3.9 | 126.5 | 1.92 | <0.05 | 10.30 | 0.570 | 0.59 | 3.1 |
| R613376 | | 122.0 | 28.1 | <0.002 | 0.12 | 15.85 | 6.8 | <1 | 1.2 | 211 | 0.39 | <0.05 | 2.70 | 0.199 | 0.45 | 1.2 |
| R613377 | | 4.4 | 111.5 | <0.002 | 0.12 | 0.83 | 12.0 | 1 | 4.0 | 108.0 | 1.73 | <0.05 | 9.97 | 0.551 | 0.60 | 3.6 |
| R613378 | | 3.1 | 118.0 | <0.002 | 0.13 | 0.80 | 13.7 | 1 | 4.8 | 123.0 | 1.38 | <0.05 | 8.85 | 0.513 | 0.60 | 3.4 |
| R613379 | | 6.1 | 74.9 | 0.003 | 0.42 | 1.06 | 9.7 | 2 | 3.3 | 98.3 | 0.78 | 0.10 | 5.10 | 0.276 | 0.42 | 2.8 |
| R613380 | | 3.1 | 112.0 | 0.002 | 0.46 | 2.15 | 12.9 | 1 | 4.5 | 113.5 | 1.32 | 0.05 | 8.82 | 0.448 | 0.59 | 3.8 |
| R613381 | | 3.1 | 109.5 | <0.002 | 0.43 | 1.77 | 12.4 | 1 | 4.6 | 112.5 | 1.40 | 0.05 | 8.65 | 0.455 | 0.60 | 3.7 |
| R613382 | | 2.7 | 130.5 | 0.004 | 0.25 | 0.90 | 13.8 | 1 | 6.0 | 101.5 | 2.14 | <0.05 | 10.25 | 0.587 | 0.79 | 4.1 |
| R613383 | | 2.8 | 142.0 | <0.002 | 0.10 | 0.98 | 15.8 | 2 | 6.4 | 80.0 | 1.82 | 0.05 | 10.65 | 0.592 | 0.76 | 4.4 |
| R613384 | | 2.0 | 126.0 | <0.002 | 0.15 | 0.55 | 16.6 | 1 | 6.9 | 86.4 | 2.12 | <0.05 | 10.70 | 0.710 | 0.81 | 4.9 |
| R613385 | | 3.5 | 93.3 | 0.002 | 0.76 | 1.18 | 11.9 | 2 | 4.2 | 79.5 | 1.25 | 0.06 | 8.00 | 0.445 | 0.51 | 5.0 |
| R613386 | | 3.1 | 113.0 | <0.002 | 0.19 | 1.09 | 12.7 | 1 | 5.3 | 96.7 | 1.60 | 0.05 | 9.15 | 0.493 | 0.59 | 4.8 |
| R613387 | | 3.3 | 122.5 | 0.002 | 0.19 | 0.59 | 14.2 | 1 | 6.1 | 84.0 | 1.62 | <0.05 | 9.47 | 0.535 | 0.71 | 5.3 |
| R613388 | | 6.5 | 62.3 | 0.011 | 2.30 | 2.14 | 8.7 | 4 | 3.1 | 66.0 | 0.64 | 0.17 | 6.08 | 0.244 | 0.37 | 7.0 |
| R613389 | | 3.3 | 131.5 | 0.003 | 0.39 | 0.66 | 15.5 | 1 | 6.8 | 79.0 | 1.77 | <0.05 | 9.78 | 0.569 | 0.65 | 5.5 |
| R613390 | | 3.2 | 103.0 | 0.008 | 0.53 | 0.59 | 12.4 | 1 | 5.4 | 94.2 | 1.59 | <0.05 | 9.44 | 0.478 | 0.54 | 5.2 |
| R613391 | | 3.8 | 93.3 | 0.005 | 0.94 | 1.41 | 11.4 | 3 | 5.2 | 63.2 | 1.04 | 0.14 | 7.87 | 0.378 | 0.46 | 6.3 |
| R613392 | | 0.5 | 1.9 | <0.002 | 0.01 | 0.07 | 0.2 | 1 | <0.2 | 80.2 | <0.05 | <0.05 | 0.19 | 0.005 | 0.02 | 0.2 |
| R613393 | | 2.5 | 124.0 | <0.002 | 0.15 | 0.61 | 14.5 | 1 | 6.2 | 106.0 | 1.68 | 0.06 | 9.55 | 0.558 | 0.60 | 5.2 |
| R613394 | | 3.2 | 124.0 | 0.005 | 0.11 | 0.60 | 14.7 | 1 | 6.7 | 72.3 | 1.68 | 0.05 | 10.30 | 0.544 | 0.68 | 5.4 |
| R613395 | | 4.2 | 113.5 | 0.002 | 0.23 | 0.92 | 13.4 | 2 | 6.1 | 86.3 | 1.56 | 0.06 | 9.62 | 0.499 | 0.61 | 5.1 |
| R613396 | | 6.7 | 107.0 | <0.002 | 0.47 | 1.59 | 12.8 | 1 | 6.5 | 91.2 | 1.46 | 0.06 | 8.97 | 0.462 | 0.56 | 4.8 |
| R613397 | | 4.0 | 108.5 | 0.002 | 0.47 | 1.22 | 12.8 | 1 | 6.6 | 92.2 | 1.44 | 0.05 | 8.96 | 0.458 | 0.56 | 4.8 |
| R613398 | | 4.0 | 33.4 | <0.002 | 0.02 | 1.13 | 4.4 | 1 | 7.6 | 13.4 | 0.47 | 0.19 | 2.65 | 0.156 | 0.19 | 1.4 |
| R613399 | | 3.9 | 110.5 | <0.002 | 0.14 | 0.79 | 12.8 | 1 | 6.7 | 100.5 | 1.51 | 0.06 | 9.12 | 0.471 | 0.56 | 4.8 |
| R613400 | | 3.4 | 102.5 | 0.002 | 0.23 | 0.78 | 12.2 | 1 | 6.2 | 99.9 | 1.34 | 0.06 | 8.88 | 0.436 | 0.50 | 3.9 |

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

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


**Finalized Date: 11-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204414

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613361 | | 180 | 2.2 | 10.8 | 21 | 115.0 |
| R613362 | | 180 | 2.3 | 12.6 | 17 | 125.0 |
| R613363 | | 165 | 2.6 | 15.3 | 24 | 87.8 |
| R613364 | | 65 | 1.2 | 23.7 | 34 | 50.4 |
| R613365 | | 195 | 3.8 | 18.5 | 27 | 167.5 |
| R613366 | | 85 | 1.4 | 10.7 | 31 | 62.8 |
| R613367 | | 41 | 11.4 | 17.6 | 223 | 67.9 |
| R613368 | | 118 | 2.4 | 12.7 | 19 | 104.5 |
| R613369 | | 100 | 1.6 | 10.7 | 23 | 82.0 |
| R613370 | | 113 | 1.6 | 11.7 | 22 | 81.3 |
| R613371 | | 182 | 2.2 | 11.2 | 15 | 119.0 |
| R613372 | | 113 | 2.1 | 10.6 | 16 | 95.8 |
| R613373 | | 110 | 2.4 | 14.0 | 17 | 119.5 |
| R613374 | | 103 | 2.5 | 15.6 | 19 | 120.0 |
| R613375 | | 107 | 2.5 | 13.6 | 28 | 114.5 |
| R613376 | | 39 | 10.7 | 14.9 | 204 | 61.2 |
| R613377 | | 116 | 2.3 | 14.0 | 18 | 123.0 |
| R613378 | | 129 | 2.5 | 11.6 | 18 | 106.5 |
| R613379 | | 80 | 1.4 | 8.1 | 20 | 63.3 |
| R613380 | | 161 | 2.7 | 10.8 | 22 | 108.0 |
| R613381 | | 161 | 2.9 | 10.7 | 22 | 106.5 |
| R613382 | | 228 | 3.5 | 10.7 | 18 | 139.0 |
| R613383 | | 213 | 3.2 | 11.3 | 14 | 130.0 |
| R613384 | | 213 | 3.8 | 11.8 | 13 | 138.5 |
| R613385 | | 122 | 2.4 | 12.6 | 16 | 95.4 |
| R613386 | | 195 | 2.7 | 10.6 | 20 | 112.0 |
| R613387 | | 173 | 2.9 | 11.2 | 20 | 122.5 |
| R613388 | | 73 | 1.6 | 11.7 | 28 | 63.1 |
| R613389 | | 180 | 3.2 | 11.7 | 31 | 126.5 |
| R613390 | | 180 | 2.7 | 10.9 | 18 | 124.0 |
| R613391 | | 126 | 2.3 | 10.2 | 14 | 100.5 |
| R613392 | | 1 | <0.1 | 2.1 | 3 | 1.7 |
| R613393 | | 170 | 3.1 | 12.1 | 16 | 126.5 |
| R613394 | | 208 | 3.1 | 11.8 | 19 | 131.0 |
| R613395 | | 196 | 2.9 | 11.5 | 21 | 122.0 |
| R613396 | | 180 | 2.9 | 10.7 | 23 | 116.5 |
| R613397 | | 183 | 2.9 | 11.0 | 20 | 119.0 |
| R613398 | | 53 | 2.7 | 3.3 | 8 | 44.6 |
| R613399 | | 183 | 3.0 | 10.7 | 19 | 122.0 |
| R613400 | | 196 | 2.9 | 11.6 | 19 | 110.5 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 11-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20204414

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 9-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20204446

Project: Rau

P.O. No.: R20-D14

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 9-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204446

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233281 | | 0.75 | 0.63 | 0.12 | 0.41 | 177.0 | 120 | 0.18 | 0.30 | 12.90 | 1.02 | 32.9 | 23.3 | 10 | 0.51 | 74.1 |
| W233282 | | 0.66 | 0.09 | 0.14 | 8.11 | 229 | 2560 | 2.57 | 0.71 | 1.23 | 0.71 | 91.8 | 13.0 | 53 | 4.52 | 23.1 |
| W233283 | | 7.48 | 0.01 | 0.08 | 8.04 | 334 | 2630 | 2.75 | 1.10 | 0.45 | 1.01 | 109.5 | 23.2 | 67 | 8.31 | 19.0 |
| W233284 | | <0.02 | 0.01 | 0.21 | 7.99 | 313 | 2630 | 2.92 | 1.09 | 0.40 | 0.98 | 109.0 | 23.7 | 66 | 8.56 | 18.1 |
| W233285 | | 6.89 | 0.02 | 0.09 | 7.25 | 413 | 2190 | 2.67 | 1.88 | 0.44 | 0.89 | 125.5 | 30.0 | 68 | 7.90 | 31.3 |
| W233286 | | 7.43 | 0.03 | 0.06 | 7.46 | 435 | 2320 | 2.69 | 1.26 | 0.54 | 1.34 | 97.5 | 21.1 | 59 | 8.01 | 23.2 |
| W233287 | | 0.15 | 0.73 | 1.63 | 7.36 | 28.3 | 870 | 1.07 | 0.19 | 1.84 | 1.01 | 25.1 | 4.6 | 14 | 0.32 | 47.2 |
| W233288 | | 0.45 | 0.06 | 0.55 | 4.39 | 202 | 1560 | 1.53 | 0.81 | 0.34 | 0.47 | 53.7 | 15.0 | 48 | 4.11 | 6.5 |
| W233289 | | 5.29 | 0.08 | 0.12 | 8.07 | 465 | 2550 | 2.80 | 2.60 | 1.09 | 0.57 | 105.5 | 23.8 | 64 | 5.94 | 37.6 |
| W233290 | | 3.93 | 0.10 | 0.09 | 7.49 | 413 | 2220 | 2.69 | 1.80 | 1.84 | 0.57 | 104.0 | 20.9 | 79 | 4.95 | 42.8 |
| W233291 | | 2.44 | 0.09 | 0.07 | 6.85 | 150.5 | 1950 | 2.45 | 0.85 | 2.14 | 0.21 | 98.9 | 9.6 | 73 | 4.83 | 18.6 |
| W233292 | | 2.13 | <0.01 | 0.01 | 0.17 | 2.0 | 30 | 0.10 | 0.05 | 33.6 | <0.02 | 1.14 | 1.0 | 2 | <0.05 | 1.6 |
| W233293 | | 3.91 | 0.09 | 0.18 | 8.01 | 508 | 2420 | 2.75 | 4.28 | 0.60 | 0.17 | 110.0 | 31.4 | 95 | 5.44 | 76.7 |
| W233294 | | 6.16 | 0.15 | 0.08 | 7.40 | 417 | 2140 | 2.42 | 1.36 | 2.28 | 1.22 | 104.5 | 19.9 | 81 | 4.63 | 47.8 |
| W233295 | | 1.05 | 0.17 | 0.13 | 6.02 | 948 | 1690 | 2.09 | 2.21 | 0.92 | 2.65 | 89.0 | 24.9 | 62 | 2.92 | 62.3 |
| W233296 | | 0.70 | 0.19 | 0.14 | 6.33 | 1050 | 1840 | 2.15 | 2.25 | 1.34 | 3.65 | 105.0 | 27.4 | 53 | 3.15 | 55.6 |
| W233297 | | 2.08 | 0.03 | 0.10 | 9.21 | 1060 | 2800 | 3.38 | 3.22 | 0.50 | 1.32 | 129.5 | 14.5 | 99 | 6.10 | 34.0 |
| W233298 | | 0.57 | 0.07 | 0.12 | 4.92 | 862 | 1430 | 1.86 | 1.34 | 0.37 | 0.74 | 67.3 | 19.4 | 61 | 3.38 | 17.7 |
| W233299 | | 0.93 | 0.03 | 0.10 | 7.87 | 1235 | 2310 | 3.10 | 2.58 | 0.21 | 0.76 | 130.5 | 31.1 | 83 | 5.58 | 34.8 |
| W233300 | | 0.85 | 0.03 | 0.07 | 7.78 | 1055 | 2270 | 2.91 | 2.52 | 0.20 | 0.67 | 126.0 | 26.1 | 82 | 5.46 | 29.0 |
| W233301 | | 2.91 | 0.02 | 0.06 | 7.56 | 1325 | 2300 | 2.95 | 0.98 | 0.11 | 0.59 | 111.5 | 39.0 | 80 | 5.25 | 25.9 |
| W233302 | | 2.47 | 0.09 | 0.25 | 8.14 | 1895 | 2360 | 2.99 | 6.32 | 0.10 | 0.39 | 115.5 | 31.6 | 83 | 5.30 | 15.4 |
| W233303 | | 3.33 | 0.03 | 0.70 | 11.65 | 2150 | 3740 | 4.32 | 7.54 | 0.19 | 0.22 | 116.0 | 9.2 | 139 | 8.54 | 18.4 |
| W233304 | | 0.93 | 0.07 | 0.20 | 6.69 | 1135 | 1920 | 2.28 | 2.34 | 0.22 | 0.19 | 103.0 | 27.7 | 90 | 3.75 | 76.9 |
| W233305 | | 0.58 | 0.06 | 0.10 | 2.68 | 452 | 770 | 1.00 | 1.63 | 0.35 | 0.07 | 36.4 | 16.0 | 49 | 1.62 | 61.6 |
| W233306 | | 6.40 | 0.13 | 1.42 | 7.02 | 704 | 2170 | 2.45 | 3.63 | 0.41 | 0.12 | 100.5 | 36.4 | 90 | 4.26 | 54.9 |
| W233307 | | 2.72 | 0.01 | 0.07 | 7.41 | 410 | 2320 | 2.73 | 2.45 | 0.60 | 0.10 | 94.4 | 33.2 | 112 | 6.28 | 28.6 |
| W233308 | | 0.87 | 0.01 | 0.05 | 6.52 | 231 | 1960 | 2.47 | 1.41 | 0.26 | 0.05 | 94.0 | 22.3 | 80 | 7.10 | 22.6 |
| W233309 | | 1.81 | 0.01 | 0.06 | 7.73 | 572 | 2340 | 3.00 | 1.55 | 0.42 | 0.06 | 112.5 | 18.7 | 74 | 8.32 | 23.6 |
| W233310 | | 0.16 | 1.18 | 65.7 | 6.96 | 32.5 | 4420 | 1.14 | 0.12 | 1.83 | 15.40 | 25.5 | 5.0 | 19 | 0.41 | 219 |
| W233311 | | 4.11 | 0.04 | 0.28 | 7.28 | 569 | 2370 | 2.74 | 2.11 | 0.43 | 0.05 | 123.0 | 29.5 | 71 | 5.92 | 34.6 |
| W233312 | | 3.31 | 0.03 | 0.09 | 6.17 | 344 | 2040 | 2.08 | 0.95 | 1.72 | 0.16 | 81.6 | 33.5 | 59 | 3.63 | 47.1 |
| W233313 | | 2.49 | 0.54 | 0.17 | 5.02 | 395 | 1550 | 1.79 | 4.10 | 3.72 | 0.09 | 61.8 | 21.9 | 85 | 2.93 | 24.1 |
| W233314 | | 5.51 | 0.04 | 0.08 | 6.67 | 233 | 2130 | 2.27 | 2.73 | 2.82 | <0.02 | 65.8 | 14.8 | 86 | 3.94 | 9.6 |
| W233315 | | 1.37 | 0.04 | 0.07 | 6.20 | 259 | 1990 | 2.22 | 2.15 | 2.98 | 0.07 | 82.4 | 13.3 | 83 | 3.69 | 11.8 |
| W233316 | | 2.17 | 0.05 | 0.09 | 5.23 | 424 | 1600 | 1.83 | 9.10 | 3.80 | 0.14 | 63.3 | 17.8 | 93 | 2.98 | 17.8 |
| W233317 | | 0.70 | 0.05 | 0.33 | 2.30 | 981 | 700 | 0.89 | 34.7 | 4.56 | 0.42 | 26.3 | 24.9 | 41 | 1.18 | 23.9 |
| W233318 | | 3.48 | 0.02 | 0.14 | 6.66 | 501 | 2110 | 2.23 | 11.20 | 3.44 | 0.20 | 85.7 | 17.6 | 104 | 3.50 | 24.4 |
| W233319 | | 1.61 | 0.01 | 0.04 | 7.72 | 289 | 2490 | 2.48 | 1.39 | 3.44 | 0.03 | 78.4 | 9.8 | 108 | 4.14 | 9.0 |
| W233320 | | 0.82 | 0.03 | 0.13 | 6.50 | 706 | 2050 | 2.13 | 9.14 | 2.53 | 0.11 | 93.1 | 16.4 | 101 | 3.68 | 34.3 |

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

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**Finalized Date: 9-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204446

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233281 | | 11.60 | 1.51 | 0.12 | 0.2 | 0.204 | 0.19 | 15.4 | 1.9 | 3.08 | 7350 | 2.35 | 0.01 | 1.1 | 50.5 | 440 |
| W233282 | | 3.14 | 24.2 | 0.17 | 3.4 | 0.080 | 3.87 | 47.5 | 8.9 | 0.38 | 787 | 2.08 | 0.07 | 49.4 | 24.2 | 2980 |
| W233283 | | 5.48 | 23.2 | 0.22 | 3.5 | 0.093 | 3.91 | 59.4 | 11.4 | 0.77 | 429 | 2.34 | 0.07 | 41.3 | 50.8 | 2000 |
| W233284 | | 5.23 | 23.2 | 0.22 | 3.7 | 0.089 | 3.87 | 59.8 | 11.7 | 0.75 | 393 | 2.28 | 0.07 | 42.1 | 49.6 | 1960 |
| W233285 | | 7.35 | 21.1 | 0.22 | 4.7 | 0.087 | 3.37 | 67.9 | 12.8 | 1.04 | 504 | 2.21 | 0.06 | 63.5 | 57.5 | 2130 |
| W233286 | | 6.00 | 20.1 | 0.14 | 3.4 | 0.069 | 3.57 | 52.3 | 13.3 | 1.01 | 486 | 2.43 | 0.06 | 39.3 | 52.3 | 2480 |
| W233287 | | 2.41 | 13.10 | 0.11 | 1.8 | 0.049 | 1.52 | 12.9 | 2.4 | 0.57 | 733 | 4.56 | 3.38 | 5.6 | 5.7 | 440 |
| W233288 | | 2.84 | 12.35 | 0.11 | 1.5 | 0.042 | 2.13 | 29.3 | 7.1 | 0.39 | 405 | 1.30 | 0.04 | 16.0 | 21.5 | 1000 |
| W233289 | | 5.05 | 21.5 | 0.20 | 3.8 | 0.072 | 3.90 | 55.2 | 11.7 | 0.63 | 617 | 3.68 | 0.07 | 30.8 | 48.1 | 2100 |
| W233290 | | 4.37 | 20.7 | 0.18 | 3.0 | 0.075 | 3.59 | 52.3 | 10.8 | 0.67 | 637 | 2.28 | 0.07 | 27.7 | 56.1 | 1510 |
| W233291 | | 2.90 | 19.50 | 0.19 | 3.1 | 0.063 | 3.30 | 49.9 | 10.9 | 0.73 | 707 | 1.44 | 0.07 | 27.7 | 32.3 | 1090 |
| W233292 | | 0.19 | 0.53 | <0.05 | 0.1 | <0.005 | 0.07 | 1.2 | 1.4 | 1.64 | 98 | 0.06 | 0.06 | 0.5 | 0.8 | 60 |
| W233293 | | 5.22 | 21.8 | 0.15 | 3.5 | 0.069 | 3.86 | 57.0 | 11.5 | 0.54 | 550 | 2.30 | 0.07 | 25.3 | 68.6 | 1690 |
| W233294 | | 3.30 | 19.70 | 0.18 | 3.0 | 0.059 | 3.56 | 53.3 | 11.0 | 1.04 | 820 | 1.62 | 0.07 | 27.4 | 60.1 | 1590 |
| W233295 | | 4.54 | 16.55 | 0.15 | 2.4 | 0.046 | 2.81 | 46.7 | 8.2 | 0.53 | 509 | 2.07 | 0.06 | 18.6 | 45.6 | 1490 |
| W233296 | | 4.44 | 17.10 | 0.15 | 2.3 | 0.054 | 3.02 | 54.6 | 8.5 | 0.73 | 717 | 1.44 | 0.06 | 23.4 | 46.7 | 1560 |
| W233297 | | 4.13 | 27.4 | 0.21 | 3.9 | 0.087 | 4.46 | 68.5 | 15.4 | 0.63 | 345 | 1.19 | 0.08 | 34.2 | 32.3 | 1810 |
| W233298 | | 4.04 | 13.65 | 0.12 | 2.0 | 0.043 | 2.35 | 35.7 | 8.7 | 0.38 | 388 | 0.79 | 0.04 | 13.4 | 35.4 | 670 |
| W233299 | | 5.15 | 22.6 | 0.18 | 2.9 | 0.067 | 3.76 | 65.6 | 14.2 | 0.44 | 361 | 0.86 | 0.06 | 22.3 | 63.3 | 1490 |
| W233300 | | 4.53 | 22.0 | 0.18 | 2.5 | 0.067 | 3.74 | 64.3 | 14.0 | 0.43 | 332 | 0.71 | 0.06 | 21.5 | 54.3 | 1390 |
| W233301 | | 5.71 | 22.7 | 0.15 | 3.1 | 0.061 | 3.66 | 57.8 | 13.0 | 0.41 | 415 | 0.98 | 0.06 | 30.0 | 69.2 | 830 |
| W233302 | | 8.80 | 25.9 | 0.16 | 3.8 | 0.079 | 3.79 | 62.2 | 12.1 | 0.42 | 553 | 1.60 | 0.07 | 17.4 | 72.0 | 940 |
| W233303 | | 7.09 | 35.6 | 0.17 | 5.0 | 0.099 | 5.73 | 57.7 | 17.3 | 0.58 | 613 | 2.25 | 0.10 | 28.1 | 28.8 | 1720 |
| W233304 | | 5.95 | 18.85 | 0.18 | 2.3 | 0.053 | 3.18 | 53.2 | 8.9 | 0.31 | 478 | 3.65 | 0.06 | 14.8 | 72.6 | 1060 |
| W233305 | | 5.29 | 7.78 | 0.09 | 0.9 | 0.026 | 1.25 | 19.1 | 4.2 | 0.22 | 437 | 2.55 | 0.03 | 3.1 | 57.0 | 900 |
| W233306 | | 8.08 | 19.85 | 0.15 | 3.0 | 0.065 | 3.33 | 50.5 | 9.1 | 0.40 | 841 | 6.37 | 0.07 | 18.0 | 81.3 | 2500 |
| W233307 | | 6.25 | 20.7 | 0.16 | 3.7 | 0.076 | 3.58 | 48.4 | 10.7 | 0.58 | 1660 | 11.65 | 0.07 | 19.8 | 82.3 | 2080 |
| W233308 | | 4.57 | 18.60 | 0.13 | 3.1 | 0.064 | 3.15 | 46.4 | 11.3 | 0.78 | 727 | 2.05 | 0.06 | 25.7 | 50.8 | 1110 |
| W233309 | | 9.03 | 22.3 | 0.15 | 2.9 | 0.083 | 3.48 | 58.9 | 16.9 | 1.26 | 953 | 2.03 | 0.06 | 49.8 | 52.5 | 2330 |
| W233310 | | 2.50 | 13.80 | 0.12 | 1.8 | 0.039 | 1.47 | 13.3 | 2.8 | 0.53 | 715 | 6.98 | 3.20 | 5.7 | 8.8 | 510 |
| W233311 | | 8.28 | 21.1 | 0.18 | 3.5 | 0.091 | 3.32 | 65.1 | 11.9 | 0.84 | 900 | 2.21 | 0.06 | 49.3 | 60.1 | 2500 |
| W233312 | | 4.81 | 16.65 | 0.15 | 2.4 | 0.065 | 2.93 | 42.4 | 8.2 | 0.58 | 1980 | 2.27 | 0.06 | 22.5 | 69.8 | 1700 |
| W233313 | | 6.70 | 13.85 | 0.11 | 2.1 | 0.041 | 2.42 | 34.1 | 6.8 | 0.86 | 1790 | 20.1 | 0.04 | 10.4 | 73.7 | 1280 |
| W233314 | | 4.44 | 18.35 | 0.16 | 2.1 | 0.055 | 3.23 | 35.9 | 8.9 | 0.81 | 1120 | 7.35 | 0.06 | 12.5 | 51.1 | 1700 |
| W233315 | | 4.09 | 17.30 | 0.14 | 2.1 | 0.053 | 2.97 | 44.1 | 8.7 | 1.03 | 921 | 8.92 | 0.05 | 12.8 | 55.9 | 1700 |
| W233316 | | 6.37 | 15.20 | 0.11 | 2.6 | 0.042 | 2.50 | 34.2 | 7.0 | 1.11 | 1620 | 24.6 | 0.04 | 16.6 | 61.4 | 1150 |
| W233317 | | 7.23 | 6.26 | <0.05 | 1.1 | 0.029 | 1.06 | 13.9 | 3.1 | 1.70 | 1840 | 13.20 | 0.02 | 5.9 | 80.6 | 460 |
| W233318 | | 4.90 | 18.50 | 0.15 | 2.8 | 0.055 | 3.20 | 45.5 | 7.6 | 0.87 | 1100 | 7.72 | 0.05 | 20.6 | 58.6 | 3070 |
| W233319 | | 2.69 | 21.5 | 0.24 | 3.3 | 0.047 | 3.66 | 42.2 | 9.1 | 1.28 | 1100 | 4.08 | 0.06 | 29.2 | 37.0 | 1360 |
| W233320 | | 4.49 | 18.10 | 0.18 | 2.8 | 0.051 | 3.14 | 49.4 | 7.8 | 0.77 | 792 | 11.50 | 0.05 | 19.9 | 59.6 | 2180 |

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

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


**Finalized Date: 9-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204446

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233281 | | 3.5 | 9.8 | <0.002 | 0.22 | 0.49 | 37.3 | 5 | 1.3 | 128.0 | 0.05 | <0.05 | 0.69 | 0.020 | 0.07 | 1.3 |
| W233282 | | 1.5 | 153.5 | <0.002 | 0.03 | 0.68 | 18.7 | 2 | 18.4 | 47.4 | 2.51 | <0.05 | 10.65 | 0.847 | 0.88 | 3.4 |
| W233283 | | 1.9 | 171.5 | <0.002 | 0.02 | 1.29 | 16.6 | 2 | 13.7 | 42.7 | 2.20 | <0.05 | 13.10 | 0.708 | 1.01 | 3.8 |
| W233284 | | 2.0 | 175.0 | <0.002 | 0.01 | 1.29 | 17.1 | 1 | 13.8 | 41.4 | 2.24 | <0.05 | 13.25 | 0.693 | 1.03 | 3.8 |
| W233285 | | 2.3 | 151.5 | <0.002 | 0.04 | 1.61 | 16.1 | 2 | 12.9 | 40.6 | 3.27 | 0.07 | 15.05 | 0.773 | 0.97 | 4.9 |
| W233286 | | 4.0 | 160.0 | 0.004 | 0.04 | 1.46 | 17.1 | 4 | 13.1 | 40.2 | 2.07 | <0.05 | 10.50 | 0.767 | 0.94 | 3.7 |
| W233287 | | 126.0 | 29.6 | <0.002 | 0.12 | 15.00 | 6.8 | 1 | 1.1 | 215 | 0.39 | <0.05 | 2.64 | 0.209 | 0.40 | 1.2 |
| W233288 | | 1.9 | 92.9 | 0.002 | 0.02 | 0.61 | 9.4 | 3 | 8.2 | 22.3 | 0.82 | <0.05 | 5.55 | 0.352 | 0.50 | 1.6 |
| W233289 | | 2.2 | 163.5 | <0.002 | 0.04 | 1.40 | 17.2 | 2 | 18.6 | 41.1 | 1.63 | 0.08 | 12.65 | 0.650 | 0.78 | 3.8 |
| W233290 | | 2.0 | 148.5 | 0.003 | 0.02 | 1.23 | 14.2 | 2 | 16.0 | 40.3 | 1.55 | <0.05 | 13.40 | 0.588 | 0.71 | 3.0 |
| W233291 | | 1.7 | 145.5 | <0.002 | 0.02 | 0.73 | 12.7 | 1 | 13.3 | 38.5 | 1.46 | <0.05 | 12.35 | 0.586 | 0.64 | 2.5 |
| W233292 | | 0.6 | 2.2 | <0.002 | 0.05 | 0.07 | 0.2 | 1 | 0.2 | 78.9 | <0.05 | <0.05 | 0.13 | 0.006 | 0.02 | 0.3 |
| W233293 | | 2.8 | 157.5 | <0.002 | 0.02 | 1.40 | 15.5 | 3 | 17.1 | 35.1 | 1.43 | 0.10 | 11.55 | 0.707 | 0.72 | 3.8 |
| W233294 | | 1.8 | 144.5 | <0.002 | 0.04 | 0.94 | 12.9 | 2 | 16.8 | 43.1 | 1.50 | <0.05 | 11.95 | 0.650 | 0.73 | 2.8 |
| W233295 | | 2.4 | 115.5 | <0.002 | 0.11 | 0.95 | 11.3 | 4 | 18.5 | 27.4 | 0.98 | 0.09 | 9.70 | 0.377 | 0.54 | 2.6 |
| W233296 | | 3.4 | 120.0 | <0.002 | 0.14 | 0.87 | 12.9 | 4 | 19.3 | 32.3 | 1.20 | 0.08 | 9.64 | 0.486 | 0.61 | 2.9 |
| W233297 | | 2.2 | 189.0 | 0.002 | 0.23 | 1.07 | 18.6 | 2 | 25.9 | 82.7 | 1.82 | 0.12 | 15.70 | 0.772 | 0.89 | 5.0 |
| W233298 | | 3.3 | 98.4 | <0.002 | 0.14 | 1.09 | 8.6 | 2 | 11.1 | 95.8 | 0.76 | 0.07 | 9.91 | 0.338 | 0.48 | 2.5 |
| W233299 | | 2.0 | 168.0 | 0.002 | 0.12 | 1.12 | 14.6 | 1 | 16.8 | 116.5 | 1.22 | 0.08 | 19.15 | 0.506 | 0.77 | 5.1 |
| W233300 | | 1.9 | 162.0 | <0.002 | 0.12 | 0.96 | 14.5 | 1 | 16.6 | 144.5 | 1.12 | 0.06 | 19.05 | 0.494 | 0.74 | 4.5 |
| W233301 | | 1.9 | 156.5 | <0.002 | 0.13 | 1.20 | 13.8 | 1 | 18.2 | 58.9 | 1.29 | 0.09 | 14.25 | 0.495 | 0.76 | 4.4 |
| W233302 | | 5.4 | 169.0 | 0.002 | 0.14 | 6.27 | 15.8 | 1 | 26.4 | 61.6 | 0.80 | 0.46 | 14.70 | 0.365 | 0.79 | 4.4 |
| W233303 | | 2.6 | 246 | <0.002 | 0.45 | 1.30 | 21.5 | 2 | 26.5 | 126.5 | 1.43 | 0.10 | 18.80 | 0.657 | 1.19 | 6.3 |
| W233304 | | 4.1 | 133.0 | <0.002 | 0.10 | 1.64 | 11.7 | 6 | 17.9 | 27.4 | 0.80 | 0.09 | 9.47 | 0.426 | 0.69 | 3.6 |
| W233305 | | 2.6 | 54.6 | <0.002 | 0.10 | 1.04 | 4.8 | 9 | 6.5 | 15.2 | 0.18 | 0.06 | 4.16 | 0.089 | 0.27 | 2.8 |
| W233306 | | 3.0 | 137.0 | 0.002 | 0.08 | 1.14 | 14.3 | 4 | 13.5 | 42.6 | 0.97 | 0.14 | 11.20 | 0.482 | 0.68 | 4.7 |
| W233307 | | 2.8 | 155.5 | <0.002 | 0.05 | 1.21 | 14.3 | 2 | 14.0 | 43.3 | 1.11 | 0.05 | 11.60 | 0.568 | 0.77 | 5.6 |
| W233308 | | 2.1 | 148.5 | <0.002 | 0.03 | 0.88 | 12.6 | 2 | 9.5 | 33.3 | 1.49 | <0.05 | 11.50 | 0.603 | 0.82 | 3.7 |
| W233309 | | 3.4 | 161.5 | <0.002 | 0.09 | 1.16 | 19.3 | 3 | 12.4 | 61.8 | 2.61 | 0.05 | 11.95 | 0.824 | 0.96 | 6.2 |
| W233310 | | 1460 | 29.0 | 0.008 | 0.50 | 107.5 | 7.0 | 3 | 1.8 | 214 | 0.38 | 0.05 | 2.55 | 0.199 | 0.33 | 1.7 |
| W233311 | | 3.6 | 150.0 | 0.002 | 0.08 | 1.26 | 17.1 | 3 | 13.5 | 52.3 | 2.60 | <0.05 | 13.20 | 0.656 | 0.85 | 6.9 |
| W233312 | | 1.8 | 118.0 | <0.002 | 0.08 | 0.86 | 13.1 | 4 | 12.1 | 41.9 | 1.18 | <0.05 | 8.57 | 0.468 | 0.62 | 3.8 |
| W233313 | | 2.7 | 100.5 | <0.002 | 0.15 | 1.42 | 9.5 | 8 | 16.3 | 41.9 | 0.57 | 0.09 | 7.84 | 0.270 | 0.55 | 5.4 |
| W233314 | | 2.6 | 131.0 | <0.002 | 0.10 | 0.74 | 11.5 | 4 | 18.6 | 46.2 | 0.69 | <0.05 | 9.64 | 0.311 | 0.66 | 3.2 |
| W233315 | | 1.6 | 123.5 | <0.002 | 0.15 | 0.67 | 10.8 | 4 | 16.9 | 52.9 | 0.70 | 0.06 | 9.48 | 0.304 | 0.62 | 3.1 |
| W233316 | | 2.5 | 106.5 | 0.002 | 0.23 | 1.10 | 10.1 | 6 | 16.6 | 50.5 | 0.76 | 0.09 | 8.25 | 0.314 | 0.52 | 4.4 |
| W233317 | | 24.3 | 43.9 | <0.002 | 0.21 | 1.73 | 4.5 | 6 | 5.9 | 60.0 | 0.30 | 0.12 | 4.63 | 0.120 | 0.26 | 18.0 |
| W233318 | | 2.4 | 130.5 | <0.002 | 0.20 | 0.89 | 12.2 | 5 | 18.5 | 56.4 | 1.08 | 0.08 | 10.50 | 0.380 | 0.65 | 5.0 |
| W233319 | | 1.3 | 152.5 | 0.003 | 0.09 | 0.58 | 13.7 | 4 | 23.5 | 65.2 | 1.62 | <0.05 | 11.50 | 0.502 | 0.79 | 4.0 |
| W233320 | | 3.0 | 131.0 | 0.004 | 0.26 | 1.09 | 11.8 | 4 | 21.7 | 44.5 | 1.03 | 0.10 | 12.45 | 0.384 | 0.67 | 5.3 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 9-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204446

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233281 | | 18 | 0.8 | 21.7 | 285 | 11.0 |
| W233282 | | 213 | 11.7 | 16.4 | 99 | 131.0 |
| W233283 | | 194 | 7.1 | 15.6 | 222 | 137.0 |
| W233284 | | 190 | 7.5 | 15.2 | 211 | 134.0 |
| W233285 | | 149 | 11.2 | 18.1 | 259 | 191.0 |
| W233286 | | 195 | 7.7 | 16.7 | 180 | 154.0 |
| W233287 | | 40 | 10.2 | 16.5 | 212 | 60.1 |
| W233288 | | 106 | 5.5 | 7.4 | 38 | 67.7 |
| W233289 | | 219 | 7.7 | 16.9 | 90 | 167.0 |
| W233290 | | 131 | 7.2 | 16.4 | 76 | 121.5 |
| W233291 | | 113 | 6.2 | 15.5 | 68 | 126.5 |
| W233292 | | 2 | 0.1 | 2.2 | 4 | 2.5 |
| W233293 | | 202 | 7.9 | 16.3 | 44 | 155.0 |
| W233294 | | 131 | 7.4 | 16.3 | 59 | 118.5 |
| W233295 | | 125 | 6.3 | 13.0 | 47 | 101.5 |
| W233296 | | 143 | 7.4 | 15.0 | 74 | 106.5 |
| W233297 | | 199 | 10.9 | 13.6 | 154 | 159.5 |
| W233298 | | 86 | 4.4 | 8.5 | 90 | 78.6 |
| W233299 | | 123 | 6.1 | 17.8 | 107 | 123.5 |
| W233300 | | 122 | 6.0 | 15.9 | 94 | 117.5 |
| W233301 | | 126 | 6.4 | 15.9 | 113 | 152.5 |
| W233302 | | 154 | 6.5 | 12.2 | 102 | 197.0 |
| W233303 | | 240 | 12.0 | 10.6 | 75 | 222 |
| W233304 | | 160 | 7.0 | 9.9 | 50 | 96.6 |
| W233305 | | 81 | 1.8 | 6.0 | 23 | 36.6 |
| W233306 | | 186 | 9.8 | 14.5 | 38 | 126.5 |
| W233307 | | 229 | 6.6 | 15.8 | 33 | 158.0 |
| W233308 | | 139 | 5.3 | 13.9 | 32 | 123.5 |
| W233309 | | 178 | 6.4 | 16.3 | 47 | 143.5 |
| W233310 | | 52 | 13.0 | 16.6 | 2700 | 60.3 |
| W233311 | | 154 | 6.8 | 16.7 | 49 | 159.0 |
| W233312 | | 164 | 5.1 | 15.8 | 27 | 94.7 |
| W233313 | | 218 | 4.2 | 8.6 | 25 | 84.0 |
| W233314 | | 231 | 4.4 | 9.2 | 16 | 88.8 |
| W233315 | | 206 | 4.4 | 9.5 | 22 | 89.6 |
| W233316 | | 193 | 5.0 | 10.2 | 34 | 111.0 |
| W233317 | | 78 | 1.9 | 7.5 | 47 | 52.4 |
| W233318 | | 255 | 5.6 | 13.3 | 36 | 123.5 |
| W233319 | | 275 | 7.0 | 10.5 | 21 | 146.0 |
| W233320 | | 276 | 5.7 | 10.9 | 43 | 118.0 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 9-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20204446

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20204470

Project: Rau

P.O. No.: R20-D15

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 10-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204470

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613401 | | 4.36 | 0.01 | 0.07 | 5.42 | 232 | 1870 | 1.82 | 3.40 | 4.83 | 0.15 | 76.7 | 17.5 | 96 | 2.95 | 47.9 |
| R613402 | | 6.23 | 0.02 | 0.06 | 5.44 | 175.0 | 1920 | 1.85 | 10.15 | 3.63 | 0.14 | 69.1 | 17.0 | 86 | 3.06 | 70.2 |
| R613403 | | 3.92 | 0.01 | 0.07 | 6.06 | 160.5 | 2140 | 2.10 | 2.31 | 2.20 | 0.11 | 82.3 | 23.5 | 94 | 3.41 | 58.6 |
| R613404 | | 2.06 | 0.01 | 0.04 | 6.21 | 128.5 | 2130 | 1.97 | 2.00 | 5.52 | 0.14 | 115.0 | 13.1 | 59 | 3.01 | 49.2 |
| R613405 | | 2.22 | 0.01 | 0.02 | 6.34 | 115.0 | 2190 | 2.03 | 1.48 | 5.08 | 0.09 | 115.0 | 13.4 | 64 | 3.15 | 36.6 |
| R613406 | | 5.52 | 0.01 | 0.01 | 6.63 | 52.2 | 2320 | 2.09 | 0.56 | 4.83 | 0.14 | 120.0 | 6.0 | 54 | 3.31 | 22.3 |
| R613407 | | 6.67 | 0.01 | 0.05 | 6.30 | 64.6 | 2200 | 2.10 | 0.80 | 4.71 | 0.08 | 111.0 | 8.4 | 56 | 3.42 | 33.4 |
| R613408 | | 1.16 | 0.01 | 0.15 | 6.40 | 90.0 | 1340 | 2.06 | 1.86 | 4.13 | 0.13 | 122.5 | 11.6 | 56 | 3.75 | 53.1 |
| R613409 | | 0.99 | 0.02 | 0.09 | 5.01 | 104.5 | 1720 | 1.54 | 2.68 | 5.03 | 0.16 | 64.7 | 14.9 | 54 | 2.84 | 73.1 |
| R613410 | | 0.65 | 0.01 | 0.05 | 6.02 | 92.4 | 1480 | 1.88 | 1.99 | 4.42 | 0.09 | 80.1 | 14.9 | 106 | 4.08 | 61.3 |
| R613411 | | 0.47 | 0.07 | 0.07 | 7.37 | 69.6 | 1640 | 2.74 | 7.03 | 1.75 | 0.08 | 86.4 | 11.3 | 128 | 5.64 | 58.8 |
| R613412 | | 2.44 | 0.02 | 0.06 | 6.57 | 86.8 | 2450 | 2.20 | 2.78 | 2.41 | 0.14 | 86.8 | 13.2 | 118 | 4.58 | 56.8 |
| R613413 | | 0.84 | 0.04 | 0.10 | 4.65 | 99.7 | 1520 | 1.58 | 2.56 | 4.39 | 0.19 | 67.6 | 16.3 | 82 | 2.89 | 65.4 |
| R613414 | | 0.50 | 0.01 | 0.03 | 5.08 | 46.0 | 1740 | 1.60 | 0.94 | 4.65 | 0.07 | 62.2 | 7.1 | 73 | 2.81 | 35.0 |
| R613415 | | 2.30 | 0.02 | 0.07 | 4.86 | 97.6 | 1650 | 1.63 | 1.53 | 3.97 | 0.13 | 65.7 | 11.6 | 82 | 2.77 | 38.7 |
| R613416 | | <0.02 | 0.03 | 0.06 | 4.87 | 79.0 | 1650 | 1.58 | 1.25 | 3.96 | 0.09 | 67.7 | 10.6 | 82 | 2.78 | 36.5 |
| R613417 | | 1.39 | 0.80 | 0.56 | 1.73 | 200 | 30 | 0.68 | 15.60 | 1.80 | 0.12 | 26.0 | 113.0 | 30 | 0.89 | 643 |
| R613418 | | 2.05 | <0.01 | 0.01 | 0.06 | 0.5 | 20 | 0.06 | 0.06 | 36.1 | 0.02 | 1.14 | 0.8 | 2 | <0.05 | 2.6 |
| R613419 | | 3.46 | 0.02 | 0.09 | 5.98 | 86.8 | 840 | 1.83 | 2.17 | 3.06 | 0.09 | 68.6 | 13.7 | 93 | 3.65 | 62.7 |
| R613420 | | 1.64 | 0.01 | 0.07 | 5.71 | 57.2 | 2040 | 1.82 | 2.41 | 4.47 | 0.09 | 81.5 | 10.2 | 96 | 3.80 | 55.9 |
| R613421 | | 5.05 | 0.02 | 0.11 | 4.84 | 85.4 | 440 | 1.46 | 4.44 | 3.91 | 0.11 | 72.4 | 20.4 | 83 | 2.98 | 95.8 |
| R613422 | | 1.31 | 0.06 | 0.09 | 6.07 | 57.6 | 1640 | 1.91 | 6.10 | 5.20 | 0.08 | 80.6 | 15.6 | 94 | 3.85 | 60.8 |
| R613423 | | 1.09 | 0.37 | 0.41 | 3.73 | 167.0 | 210 | 1.23 | 43.3 | 3.34 | 0.86 | 44.4 | 28.1 | 66 | 2.24 | 129.5 |
| R613424 | | 0.16 | 1.21 | 65.7 | 6.93 | 32.4 | 4320 | 1.10 | 0.18 | 1.84 | 16.20 | 26.4 | 6.6 | 18 | 0.45 | 216 |
| R613425 | | 2.46 | 0.01 | 0.09 | 4.51 | 57.7 | 1570 | 1.49 | 2.73 | 6.74 | 0.13 | 54.6 | 11.5 | 65 | 2.67 | 48.9 |
| R613426 | | 1.10 | 0.05 | 0.16 | 5.18 | 82.7 | 250 | 1.55 | 6.75 | 4.51 | 0.13 | 67.6 | 22.5 | 93 | 3.31 | 96.8 |
| R613427 | | 4.75 | 0.01 | 0.16 | 6.29 | 33.4 | 2280 | 1.96 | 2.71 | 4.40 | 0.11 | 84.9 | 8.2 | 110 | 4.08 | 37.6 |
| R613428 | | 1.38 | 0.10 | 0.14 | 5.30 | 51.5 | 1800 | 1.74 | 8.60 | 3.80 | 0.11 | 68.0 | 11.8 | 87 | 3.31 | 45.1 |
| R613429 | | 1.61 | 0.25 | 0.15 | 4.44 | 48.9 | 770 | 1.49 | 23.0 | 4.17 | 0.13 | 58.7 | 14.4 | 73 | 2.82 | 64.6 |
| R613430 | | 1.83 | 0.25 | 0.10 | 5.65 | 96.1 | 400 | 1.83 | 11.00 | 3.62 | 0.10 | 77.6 | 22.1 | 90 | 3.44 | 75.5 |
| R613431 | | 0.31 | 0.04 | 0.14 | 4.08 | 116.5 | 80 | 1.32 | 4.89 | 4.22 | 0.11 | 78.3 | 41.8 | 85 | 2.22 | 189.5 |
| R613432 | | 1.44 | 0.20 | 0.12 | 5.32 | 82.6 | 830 | 1.64 | 19.35 | 3.95 | 0.12 | 72.9 | 18.9 | 91 | 3.12 | 67.9 |
| R613433 | | 0.51 | 0.19 | 0.13 | 3.04 | 94.2 | 740 | 0.93 | 9.07 | 5.80 | 0.15 | 41.2 | 20.6 | 57 | 1.60 | 81.0 |
| R613434 | | 0.16 | 1.44 | 64.2 | 7.03 | 31.4 | 4330 | 1.08 | 0.17 | 1.85 | 16.00 | 27.5 | 5.4 | 17 | 0.45 | 215 |
| R613435 | | 1.97 | 0.01 | 0.06 | 5.59 | 65.9 | 1900 | 1.76 | 2.30 | 4.81 | 0.09 | 81.6 | 13.1 | 97 | 3.33 | 47.5 |
| R613436 | | 3.51 | 0.02 | 0.05 | 5.09 | 68.5 | 1750 | 1.54 | 7.69 | 3.87 | 0.08 | 71.4 | 12.8 | 83 | 2.97 | 40.1 |
| R613437 | | 3.17 | 0.01 | 0.15 | 4.60 | 71.7 | 1370 | 1.48 | 7.00 | 3.57 | 0.29 | 67.7 | 14.1 | 65 | 2.84 | 41.5 |
| R613438 | | 0.97 | 0.01 | 0.02 | 3.97 | 25.2 | 1460 | 1.29 | 2.36 | 3.15 | 0.32 | 55.9 | 6.1 | 52 | 2.36 | 17.1 |
| R613439 | | 1.43 | 0.02 | 0.03 | 3.70 | 36.8 | 1360 | 1.25 | 13.80 | 2.70 | 0.17 | 47.9 | 6.3 | 54 | 2.26 | 18.3 |
| R613440 | | 4.58 | 0.01 | 0.05 | 4.34 | 35.5 | 1190 | 1.42 | 8.62 | 3.59 | 0.09 | 65.2 | 11.3 | 60 | 2.73 | 37.2 |

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

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


**Finalized Date: 10-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204470

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613401 | | 4.60 | 14.15 | 0.14 | 2.7 | 0.057 | 2.51 | 41.8 | 8.0 | 1.86 | 1460 | 4.39 | 0.09 | 24.9 | 38.7 | 1870 |
| R613402 | | 4.50 | 14.05 | 0.14 | 2.7 | 0.055 | 2.52 | 37.7 | 8.7 | 1.45 | 948 | 4.44 | 0.09 | 26.4 | 40.1 | 1600 |
| R613403 | | 4.28 | 15.90 | 0.17 | 3.0 | 0.062 | 2.80 | 43.2 | 9.5 | 0.93 | 919 | 6.26 | 0.10 | 27.1 | 40.7 | 2210 |
| R613404 | | 4.28 | 16.15 | 0.20 | 3.2 | 0.055 | 2.86 | 62.7 | 8.2 | 1.95 | 1350 | 2.25 | 0.11 | 37.9 | 35.4 | 2510 |
| R613405 | | 3.75 | 16.80 | 0.21 | 3.3 | 0.062 | 2.93 | 63.5 | 8.8 | 1.88 | 1170 | 2.12 | 0.11 | 39.8 | 33.1 | 2300 |
| R613406 | | 3.17 | 17.90 | 0.17 | 3.3 | 0.060 | 3.03 | 65.6 | 9.0 | 1.95 | 1000 | 0.76 | 0.11 | 44.4 | 25.9 | 1840 |
| R613407 | | 3.95 | 16.95 | 0.18 | 3.1 | 0.064 | 2.87 | 61.7 | 9.7 | 1.92 | 958 | 1.49 | 0.10 | 38.4 | 31.5 | 2250 |
| R613408 | | 4.95 | 17.55 | 0.21 | 3.1 | 0.066 | 2.96 | 67.0 | 10.0 | 1.59 | 883 | 2.54 | 0.11 | 38.2 | 34.1 | 2130 |
| R613409 | | 4.44 | 13.10 | 0.13 | 2.2 | 0.053 | 2.31 | 34.2 | 7.9 | 1.71 | 1060 | 2.04 | 0.08 | 27.4 | 40.6 | 1550 |
| R613410 | | 5.38 | 15.80 | 0.15 | 2.6 | 0.057 | 2.81 | 42.8 | 10.9 | 2.01 | 1520 | 2.90 | 0.09 | 25.7 | 49.1 | 2370 |
| R613411 | | 4.68 | 19.60 | 0.17 | 3.6 | 0.067 | 3.54 | 46.7 | 14.8 | 0.93 | 825 | 5.92 | 0.11 | 34.4 | 43.3 | 2230 |
| R613412 | | 4.27 | 17.55 | 0.17 | 3.0 | 0.064 | 3.13 | 46.7 | 11.9 | 1.18 | 983 | 4.97 | 0.10 | 29.0 | 42.5 | 2330 |
| R613413 | | 5.40 | 12.45 | 0.14 | 2.2 | 0.047 | 2.13 | 35.9 | 8.3 | 1.86 | 1310 | 7.75 | 0.08 | 20.2 | 50.0 | 2110 |
| R613414 | | 3.88 | 13.15 | 0.14 | 2.2 | 0.052 | 2.31 | 33.8 | 7.8 | 2.03 | 1140 | 2.49 | 0.09 | 21.3 | 26.5 | 1400 |
| R613415 | | 4.72 | 12.75 | 0.13 | 2.2 | 0.053 | 2.20 | 36.5 | 7.6 | 1.86 | 1140 | 3.62 | 0.08 | 20.2 | 28.5 | 1480 |
| R613416 | | 4.60 | 12.95 | 0.13 | 2.3 | 0.050 | 2.21 | 37.6 | 7.9 | 1.87 | 1140 | 3.67 | 0.08 | 21.0 | 28.1 | 1530 |
| R613417 | | 31.4 | 4.74 | 0.13 | 0.9 | 0.030 | 0.78 | 13.1 | 2.5 | 0.82 | 1200 | 6.21 | 0.03 | 3.6 | 251 | 440 |
| R613418 | | 0.15 | 0.20 | <0.05 | <0.1 | <0.005 | 0.01 | 1.3 | 0.9 | 1.35 | 101 | 0.06 | 0.03 | 0.1 | 1.3 | 60 |
| R613419 | | 6.43 | 16.30 | 0.14 | 3.0 | 0.066 | 2.81 | 37.1 | 9.4 | 1.30 | 1460 | 11.40 | 0.10 | 23.2 | 33.3 | 1380 |
| R613420 | | 4.67 | 15.35 | 0.15 | 2.6 | 0.058 | 2.69 | 44.0 | 9.6 | 1.59 | 1090 | 3.40 | 0.09 | 26.8 | 30.3 | 2060 |
| R613421 | | 5.30 | 13.20 | 0.15 | 2.3 | 0.052 | 2.29 | 39.9 | 7.2 | 1.33 | 1080 | 6.66 | 0.08 | 19.2 | 59.1 | 4690 |
| R613422 | | 5.51 | 16.75 | 0.15 | 3.1 | 0.070 | 2.88 | 42.9 | 9.7 | 1.76 | 1420 | 10.45 | 0.10 | 28.3 | 52.3 | 1310 |
| R613423 | | 6.82 | 9.68 | 0.12 | 1.9 | 0.048 | 1.73 | 24.5 | 5.7 | 1.17 | 1200 | 6.76 | 0.07 | 13.4 | 91.3 | 2230 |
| R613424 | | 2.50 | 14.15 | 0.09 | 2.0 | 0.044 | 1.43 | 14.0 | 2.4 | 0.54 | 712 | 7.00 | 3.19 | 6.2 | 8.6 | 490 |
| R613425 | | 5.59 | 12.20 | 0.12 | 2.2 | 0.054 | 2.11 | 29.9 | 7.2 | 2.41 | 1720 | 7.72 | 0.08 | 18.3 | 36.3 | 1100 |
| R613426 | | 6.54 | 13.20 | 0.14 | 2.5 | 0.055 | 2.46 | 35.9 | 8.4 | 1.55 | 1280 | 8.10 | 0.09 | 22.2 | 75.2 | 1620 |
| R613427 | | 3.72 | 17.15 | 0.17 | 2.9 | 0.062 | 2.99 | 47.2 | 10.7 | 1.75 | 1080 | 5.55 | 0.11 | 30.4 | 38.6 | 2530 |
| R613428 | | 5.23 | 14.20 | 0.14 | 2.5 | 0.057 | 2.44 | 37.1 | 8.9 | 1.54 | 1120 | 4.31 | 0.09 | 22.1 | 46.1 | 1840 |
| R613429 | | 5.33 | 12.00 | 0.12 | 2.0 | 0.054 | 2.05 | 31.4 | 7.3 | 1.61 | 1310 | 3.90 | 0.08 | 17.6 | 47.2 | 1490 |
| R613430 | | 5.41 | 15.20 | 0.13 | 2.7 | 0.056 | 2.63 | 41.7 | 9.3 | 1.50 | 1300 | 5.68 | 0.10 | 21.1 | 62.5 | 1700 |
| R613431 | | 9.45 | 11.35 | 0.15 | 2.0 | 0.050 | 1.88 | 39.3 | 5.8 | 1.69 | 1580 | 9.66 | 0.08 | 14.3 | 121.5 | 1560 |
| R613432 | | 5.16 | 14.00 | 0.15 | 2.5 | 0.055 | 2.48 | 39.7 | 7.9 | 1.59 | 1280 | 4.77 | 0.10 | 22.1 | 51.1 | 1790 |
| R613433 | | 5.97 | 7.75 | 0.09 | 1.5 | 0.038 | 1.38 | 22.6 | 4.4 | 2.34 | 1720 | 3.28 | 0.06 | 10.6 | 56.1 | 1200 |
| R613434 | | 2.50 | 14.30 | 0.08 | 2.0 | 0.042 | 1.44 | 14.7 | 2.3 | 0.54 | 719 | 6.92 | 3.22 | 6.2 | 8.5 | 500 |
| R613435 | | 4.44 | 15.85 | 0.17 | 2.9 | 0.056 | 2.61 | 41.5 | 9.6 | 1.97 | 1260 | 8.08 | 0.10 | 23.7 | 48.9 | 1710 |
| R613436 | | 3.71 | 13.95 | 0.15 | 2.6 | 0.040 | 2.38 | 37.8 | 9.0 | 1.60 | 1000 | 5.74 | 0.09 | 24.9 | 50.4 | 1630 |
| R613437 | | 3.67 | 13.05 | 0.13 | 2.6 | 0.047 | 2.18 | 35.0 | 8.3 | 1.50 | 865 | 6.56 | 0.08 | 21.6 | 40.6 | 1530 |
| R613438 | | 2.22 | 11.35 | 0.14 | 2.2 | 0.034 | 1.86 | 29.5 | 7.5 | 1.39 | 650 | 6.10 | 0.07 | 17.6 | 26.3 | 1370 |
| R613439 | | 2.26 | 10.55 | 0.12 | 2.0 | 0.034 | 1.71 | 24.9 | 7.0 | 1.20 | 591 | 5.48 | 0.07 | 16.4 | 22.5 | 1090 |
| R613440 | | 3.27 | 12.40 | 0.13 | 2.5 | 0.042 | 2.06 | 34.0 | 8.2 | 1.62 | 756 | 6.52 | 0.08 | 20.8 | 31.9 | 1330 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204470

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613401 | | 3.7 | 106.5 | <0.002 | 0.12 | 0.59 | 12.1 | 1 | 6.4 | 109.0 | 1.47 | 0.05 | 8.73 | 0.453 | 0.54 | 3.2 |
| R613402 | | 5.5 | 105.5 | 0.003 | 0.29 | 0.78 | 11.7 | 1 | 6.7 | 92.8 | 1.54 | 0.10 | 8.92 | 0.481 | 0.53 | 4.0 |
| R613403 | | 5.8 | 121.0 | 0.002 | 0.71 | 0.74 | 13.1 | 1 | 8.2 | 65.6 | 1.56 | 0.06 | 9.70 | 0.497 | 0.61 | 4.9 |
| R613404 | | 3.5 | 112.0 | 0.014 | 0.33 | 0.90 | 12.0 | 1 | 7.9 | 117.0 | 2.25 | <0.05 | 13.35 | 0.569 | 0.60 | 3.9 |
| R613405 | | 4.0 | 120.0 | 0.011 | 0.34 | 0.71 | 12.5 | 1 | 8.4 | 114.5 | 2.30 | 0.05 | 12.45 | 0.601 | 0.63 | 3.9 |
| R613406 | | 2.6 | 124.5 | 0.007 | 0.11 | 0.51 | 12.7 | 1 | 8.2 | 119.5 | 2.45 | <0.05 | 12.45 | 0.623 | 0.66 | 4.1 |
| R613407 | | 6.4 | 118.5 | 0.013 | 0.43 | 1.17 | 11.9 | 1 | 7.5 | 122.0 | 2.09 | <0.05 | 12.85 | 0.553 | 0.61 | 4.1 |
| R613408 | | 25.2 | 122.0 | 0.002 | 1.17 | 0.84 | 12.0 | 1 | 7.4 | 106.0 | 2.14 | 0.06 | 13.15 | 0.547 | 0.64 | 3.5 |
| R613409 | | 4.9 | 93.4 | 0.010 | 0.87 | 0.65 | 10.0 | 2 | 5.4 | 107.5 | 1.47 | 0.07 | 8.03 | 0.416 | 0.47 | 3.5 |
| R613410 | | 3.3 | 118.0 | 0.003 | 1.18 | 0.87 | 13.5 | 2 | 7.2 | 102.5 | 1.54 | 0.06 | 9.25 | 0.475 | 0.61 | 3.4 |
| R613411 | | 4.5 | 151.5 | 0.008 | 1.22 | 1.01 | 16.9 | 2 | 9.3 | 53.7 | 2.09 | 0.07 | 10.45 | 0.643 | 0.84 | 8.0 |
| R613412 | | 5.5 | 133.5 | 0.011 | 0.61 | 0.59 | 14.7 | 2 | 8.8 | 68.2 | 1.75 | 0.08 | 10.55 | 0.544 | 0.71 | 4.9 |
| R613413 | | 8.7 | 90.1 | 0.007 | 1.20 | 1.72 | 10.3 | 1 | 7.1 | 81.9 | 1.17 | 0.06 | 7.24 | 0.374 | 0.46 | 4.5 |
| R613414 | | 3.0 | 96.4 | 0.003 | 0.25 | 0.39 | 11.0 | 1 | 7.7 | 95.3 | 1.29 | <0.05 | 7.38 | 0.395 | 0.51 | 3.4 |
| R613415 | | 5.6 | 94.1 | 0.005 | 0.72 | 0.68 | 10.4 | 1 | 7.8 | 70.2 | 1.20 | <0.05 | 7.63 | 0.389 | 0.49 | 3.8 |
| R613416 | | 5.9 | 96.0 | 0.004 | 0.68 | 0.69 | 10.7 | 1 | 8.1 | 72.6 | 1.21 | 0.05 | 7.78 | 0.384 | 0.49 | 3.8 |
| R613417 | | 6.8 | 34.5 | 0.016 | >10.0 | 15.45 | 4.9 | 16 | 2.9 | 29.0 | 0.19 | 0.47 | 2.82 | 0.071 | 1.02 | 4.8 |
| R613418 | | 1.1 | 0.4 | <0.002 | 0.03 | 0.09 | 0.2 | 1 | <0.2 | 88.7 | <0.05 | <0.05 | 0.08 | 0.005 | <0.02 | 0.1 |
| R613419 | | 4.8 | 121.5 | 0.008 | 1.42 | 0.66 | 13.6 | 2 | 8.4 | 80.6 | 1.35 | 0.06 | 9.39 | 0.395 | 0.63 | 6.5 |
| R613420 | | 4.4 | 115.0 | 0.002 | 0.72 | 0.78 | 12.7 | 2 | 6.9 | 128.0 | 1.56 | 0.05 | 8.66 | 0.508 | 0.56 | 4.2 |
| R613421 | | 7.5 | 101.5 | 0.015 | 2.01 | 0.98 | 11.3 | 3 | 6.3 | 92.8 | 1.14 | 0.08 | 7.25 | 0.366 | 0.48 | 5.4 |
| R613422 | | 5.3 | 127.5 | 0.007 | 1.34 | 0.95 | 13.5 | 2 | 8.0 | 127.0 | 1.70 | 0.10 | 9.78 | 0.475 | 0.63 | 5.4 |
| R613423 | | 48.6 | 74.2 | 0.017 | 2.87 | 1.77 | 8.1 | 4 | 4.8 | 68.6 | 0.82 | 0.23 | 5.71 | 0.236 | 0.37 | 4.9 |
| R613424 | | 1450 | 30.7 | 0.009 | 0.49 | 113.0 | 6.8 | 3 | 1.8 | 211 | 0.44 | <0.05 | 2.87 | 0.191 | 0.37 | 1.8 |
| R613425 | | 5.7 | 92.5 | 0.006 | 0.89 | 0.63 | 10.5 | 2 | 5.6 | 154.5 | 1.08 | <0.05 | 7.01 | 0.311 | 0.43 | 4.4 |
| R613426 | | 9.6 | 103.5 | 0.054 | 2.49 | 1.15 | 11.6 | 3 | 6.2 | 112.0 | 1.31 | 0.09 | 7.31 | 0.406 | 0.53 | 6.6 |
| R613427 | | 5.6 | 130.5 | 0.011 | 0.69 | 0.67 | 14.1 | 1 | 8.3 | 116.0 | 1.77 | <0.05 | 9.97 | 0.529 | 0.64 | 7.6 |
| R613428 | | 5.6 | 105.0 | 0.011 | 0.99 | 0.80 | 12.0 | 2 | 7.2 | 86.4 | 1.27 | 0.14 | 8.07 | 0.417 | 0.53 | 5.1 |
| R613429 | | 4.1 | 91.0 | 0.011 | 1.39 | 0.75 | 10.2 | 2 | 6.5 | 79.2 | 0.96 | 0.14 | 6.57 | 0.317 | 0.48 | 4.2 |
| R613430 | | 4.0 | 114.0 | 0.022 | 2.01 | 0.95 | 12.6 | 2 | 8.4 | 80.8 | 1.21 | 0.11 | 8.72 | 0.383 | 0.62 | 6.4 |
| R613431 | | 5.5 | 85.2 | 0.053 | 4.99 | 0.77 | 9.9 | 6 | 7.2 | 76.3 | 0.81 | 0.06 | 7.31 | 0.257 | 0.42 | 10.0 |
| R613432 | | 9.5 | 106.5 | 0.013 | 1.61 | 0.72 | 11.9 | 3 | 9.6 | 83.6 | 1.30 | 0.10 | 8.11 | 0.412 | 0.53 | 5.0 |
| R613433 | | 11.0 | 61.3 | 0.008 | 1.77 | 0.81 | 7.1 | 3 | 4.6 | 105.0 | 0.60 | 0.12 | 5.29 | 0.202 | 0.32 | 3.4 |
| R613434 | | 1455 | 31.6 | 0.012 | 0.50 | 111.5 | 6.8 | 3 | 1.9 | 212 | 0.44 | 0.10 | 3.04 | 0.195 | 0.39 | 1.9 |
| R613435 | | 2.7 | 112.5 | 0.013 | 1.03 | 0.73 | 13.9 | 2 | 8.2 | 116.0 | 1.35 | 0.05 | 9.38 | 0.438 | 0.54 | 5.3 |
| R613436 | | 2.4 | 101.0 | 0.017 | 1.03 | 0.84 | 12.0 | 2 | 7.8 | 93.8 | 1.42 | <0.05 | 8.23 | 0.450 | 0.51 | 4.9 |
| R613437 | | 3.8 | 93.2 | 0.023 | 1.18 | 0.73 | 10.2 | 2 | 6.3 | 87.7 | 1.21 | <0.05 | 8.19 | 0.368 | 0.48 | 4.4 |
| R613438 | | 2.1 | 78.5 | 0.014 | 0.36 | 0.96 | 9.0 | 1 | 5.5 | 83.2 | 1.06 | <0.05 | 7.18 | 0.331 | 0.40 | 3.4 |
| R613439 | | 2.1 | 75.8 | 0.022 | 0.44 | 0.53 | 8.4 | 1 | 5.2 | 71.9 | 0.94 | <0.05 | 6.12 | 0.306 | 0.36 | 3.5 |
| R613440 | | 2.0 | 87.8 | 0.020 | 1.17 | 0.70 | 10.1 | 2 | 5.8 | 97.7 | 1.15 | 0.05 | 7.73 | 0.369 | 0.44 | 5.5 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204470

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613401 | | 130 | 3.2 | 14.0 | 21 | 102.0 |
| R613402 | | 125 | 3.1 | 13.3 | 19 | 108.5 |
| R613403 | | 140 | 3.5 | 15.3 | 18 | 116.0 |
| R613404 | | 122 | 4.2 | 18.3 | 20 | 143.5 |
| R613405 | | 127 | 4.3 | 17.8 | 19 | 135.0 |
| R613406 | | 119 | 4.3 | 18.0 | 17 | 140.0 |
| R613407 | | 113 | 4.1 | 17.3 | 17 | 131.5 |
| R613408 | | 115 | 4.0 | 17.3 | 18 | 123.5 |
| R613409 | | 99 | 3.4 | 12.5 | 20 | 91.0 |
| R613410 | | 115 | 4.3 | 13.8 | 17 | 104.5 |
| R613411 | | 191 | 5.6 | 15.7 | 14 | 132.0 |
| R613412 | | 166 | 5.0 | 13.1 | 19 | 119.5 |
| R613413 | | 104 | 3.8 | 11.2 | 23 | 82.6 |
| R613414 | | 107 | 4.0 | 10.4 | 13 | 84.7 |
| R613415 | | 109 | 4.1 | 10.1 | 16 | 82.4 |
| R613416 | | 109 | 4.1 | 10.1 | 15 | 85.4 |
| R613417 | | 41 | 1.6 | 6.1 | 11 | 34.2 |
| R613418 | | 1 | 0.1 | 2.2 | 3 | 1.7 |
| R613419 | | 169 | 3.9 | 11.4 | 15 | 112.5 |
| R613420 | | 121 | 3.9 | 11.6 | 15 | 103.5 |
| R613421 | | 109 | 3.2 | 16.0 | 19 | 85.1 |
| R613422 | | 189 | 4.4 | 11.5 | 17 | 121.0 |
| R613423 | | 101 | 2.6 | 10.4 | 80 | 67.1 |
| R613424 | | 51 | 31.0 | 17.8 | 2670 | 62.6 |
| R613425 | | 134 | 2.8 | 9.1 | 21 | 100.5 |
| R613426 | | 125 | 3.6 | 10.8 | 29 | 93.4 |
| R613427 | | 168 | 5.1 | 13.5 | 18 | 116.5 |
| R613428 | | 116 | 4.5 | 11.8 | 19 | 95.7 |
| R613429 | | 104 | 3.2 | 11.9 | 17 | 78.5 |
| R613430 | | 132 | 3.9 | 12.3 | 17 | 98.9 |
| R613431 | | 95 | 3.1 | 12.2 | 20 | 80.2 |
| R613432 | | 118 | 4.0 | 12.2 | 19 | 93.7 |
| R613433 | | 93 | 2.2 | 9.0 | 23 | 59.2 |
| R613434 | | 52 | 14.4 | 17.7 | 2690 | 62.9 |
| R613435 | | 157 | 4.3 | 13.2 | 14 | 106.0 |
| R613436 | | 160 | 4.3 | 11.5 | 15 | 115.0 |
| R613437 | | 158 | 4.1 | 13.3 | 25 | 95.9 |
| R613438 | | 141 | 3.5 | 9.0 | 23 | 82.5 |
| R613439 | | 132 | 3.0 | 8.6 | 16 | 77.3 |
| R613440 | | 150 | 3.3 | 10.6 | 12 | 99.8 |

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

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Project: Rau


**Finalized Date: 10-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20204470

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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


**Finalized Date: 19-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20208108

Project: Rau

P.O. No.: R20-D16

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 19-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208108

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233321 | | 1.70 | 0.02 | 0.07 | 6.56 | 460 | 2050 | 2.11 | 2.08 | 2.37 | <0.02 | 80.7 | 10.3 | 89 | 3.56 | 14.3 |
| W233322 | | 0.82 | 0.16 | 0.24 | 4.61 | 1120 | 1340 | 1.56 | 64.7 | 4.31 | 0.10 | 69.2 | 28.8 | 79 | 2.15 | 97.8 |
| W233323 | | 1.47 | 0.03 | 0.08 | 5.66 | 555 | 1760 | 1.79 | 2.83 | 3.87 | 0.14 | 90.2 | 10.1 | 99 | 3.04 | 14.9 |
| W233324 | | <0.02 | 0.03 | 0.08 | 5.69 | 536 | 1770 | 1.88 | 2.72 | 4.00 | 0.14 | 90.9 | 9.8 | 102 | 3.07 | 14.1 |
| W233325 | | 0.28 | 0.22 | 0.23 | 3.38 | 1260 | 1040 | 1.12 | 46.4 | 5.20 | 0.18 | 48.4 | 31.3 | 59 | 1.87 | 77.2 |
| W233326 | | 5.31 | 0.03 | 0.08 | 5.80 | 405 | 1820 | 1.80 | 4.31 | 3.90 | 0.09 | 71.4 | 12.1 | 97 | 3.26 | 18.1 |
| W233327 | | 1.45 | 0.03 | 0.08 | 5.75 | 332 | 1820 | 1.82 | 7.28 | 1.64 | 0.08 | 66.3 | 10.0 | 84 | 3.26 | 14.7 |
| W233328 | | 0.16 | 0.62 | 1.36 | 7.22 | 28.2 | 840 | 1.06 | 0.21 | 1.82 | 1.05 | 24.7 | 4.7 | 13 | 0.33 | 40.3 |
| W233329 | | 4.00 | 0.04 | 0.06 | 5.27 | 380 | 1640 | 1.70 | 4.33 | 3.91 | 0.13 | 61.5 | 9.3 | 77 | 2.76 | 17.7 |
| W233330 | | 7.04 | 0.03 | 0.11 | 5.45 | 359 | 1690 | 1.73 | 5.16 | 3.76 | 0.08 | 61.7 | 11.0 | 84 | 2.74 | 25.6 |
| W233331 | | 7.66 | 0.02 | 0.10 | 7.80 | 660 | 2440 | 2.44 | 5.42 | 4.53 | <0.02 | 104.5 | 20.9 | 103 | 3.80 | 52.8 |
| W233332 | | 4.88 | 0.02 | 0.03 | 0.81 | 279 | 250 | 0.30 | 1.22 | 4.64 | 0.09 | 25.3 | 4.9 | 49 | 0.50 | 8.2 |
| W233333 | | 2.15 | 0.08 | 0.20 | 0.71 | 297 | 230 | 0.23 | 5.13 | 3.56 | 0.11 | 17.90 | 12.2 | 39 | 0.44 | 25.6 |
| W233334 | | 1.88 | 0.23 | 0.45 | 6.77 | 908 | 2120 | 2.13 | 6.41 | 5.78 | 0.09 | 76.7 | 18.5 | 91 | 2.98 | 39.1 |
| W233335 | | 1.36 | 0.28 | 0.24 | 5.74 | 2380 | 1780 | 1.88 | 44.6 | 5.51 | 0.08 | 61.3 | 20.0 | 80 | 2.55 | 49.1 |
| W233336 | | 5.53 | 0.03 | 0.06 | 0.68 | 240 | 220 | 0.28 | 1.27 | 4.22 | 0.08 | 14.65 | 6.8 | 49 | 0.41 | 8.8 |
| W233337 | | 2.04 | 0.03 | 0.11 | 5.12 | 686 | 1680 | 1.79 | 8.14 | 6.11 | 0.16 | 69.7 | 8.4 | 85 | 3.63 | 18.2 |
| W233338 | | 2.52 | <0.01 | 0.01 | 0.15 | 1.8 | 30 | 0.11 | 0.04 | 32.8 | 0.02 | 0.87 | 1.2 | 4 | <0.05 | 2.0 |
| W233339 | | 1.86 | 0.04 | 0.05 | 0.98 | 299 | 330 | 0.42 | 3.10 | 3.06 | 0.10 | 24.5 | 7.4 | 45 | 0.73 | 20.5 |
| W233340 | | 2.67 | 0.02 | 0.50 | 2.14 | 294 | 680 | 0.76 | 2.44 | 2.45 | 0.07 | 35.5 | 6.1 | 59 | 1.49 | 11.5 |
| W233341 | | 0.92 | 0.04 | 0.11 | 1.70 | 359 | 540 | 0.63 | 6.99 | 3.29 | 0.09 | 29.5 | 7.8 | 44 | 1.24 | 15.5 |
| W233342 | | 2.67 | 0.02 | 0.23 | 2.24 | 685 | 730 | 0.76 | 5.99 | 2.31 | 0.03 | 38.6 | 6.9 | 52 | 1.54 | 57.1 |
| W233343 | | 3.81 | 0.01 | 0.07 | 0.36 | 523 | 120 | 0.14 | 1.40 | 2.03 | 0.06 | 15.00 | 5.8 | 42 | 0.23 | 45.5 |
| W233344 | | 0.16 | 1.27 | 72.9 | 6.76 | 30.9 | 4270 | 0.86 | 0.12 | 1.81 | 14.95 | 25.0 | 5.1 | 17 | 0.37 | 219 |
| W233345 | | 2.25 | 0.03 | 0.13 | 0.85 | 595 | 260 | 0.30 | 2.09 | 3.91 | 0.21 | 30.7 | 7.0 | 32 | 0.50 | 22.0 |
| W233346 | | 4.51 | 0.03 | 0.11 | 4.94 | 469 | 1600 | 1.56 | 12.65 | 3.43 | 0.09 | 55.5 | 16.1 | 95 | 3.59 | 21.8 |
| W233347 | | 3.33 | 0.06 | 0.11 | 6.31 | 455 | 2130 | 1.91 | 2.26 | 2.66 | 0.28 | 75.1 | 19.5 | 58 | 4.17 | 37.1 |
| W233348 | | 0.91 | 0.03 | 0.08 | 6.29 | 254 | 2190 | 1.88 | 0.75 | 3.27 | 0.11 | 71.7 | 14.0 | 59 | 4.65 | 14.4 |
| W233349 | | 1.89 | 0.03 | 0.05 | 6.55 | 376 | 2130 | 1.90 | 1.31 | 1.54 | 0.15 | 71.3 | 20.6 | 48 | 5.81 | 28.6 |
| W233350 | | 0.95 | 0.01 | 0.10 | 7.09 | 375 | 1020 | 2.32 | 2.96 | 1.24 | 0.09 | 88.4 | 26.6 | 54 | 4.57 | 61.4 |
| W233351 | | 0.77 | 0.01 | 0.10 | 6.86 | 359 | 2350 | 2.30 | 2.80 | 2.58 | 0.07 | 103.5 | 22.0 | 57 | 3.58 | 36.0 |
| W233352 | | 0.72 | 0.01 | 0.10 | 5.05 | 163.0 | 1570 | 1.77 | 1.17 | 1.78 | 0.04 | 67.7 | 9.6 | 45 | 3.06 | 31.3 |
| W233353 | | 0.81 | 0.07 | 0.10 | 6.79 | 197.5 | 660 | 2.40 | 2.39 | 1.38 | <0.02 | 102.5 | 12.2 | 69 | 4.37 | 62.8 |
| W233354 | | 0.78 | <0.01 | 0.06 | 4.56 | 209 | 1470 | 1.50 | 1.22 | 1.35 | 0.05 | 49.8 | 15.3 | 48 | 3.12 | 31.8 |
| W233355 | | 2.16 | 0.04 | 0.19 | 0.33 | 568 | 100 | 0.12 | 0.96 | 3.12 | 0.12 | 10.10 | 13.9 | 34 | 0.22 | 59.3 |
| W233356 | | 2.31 | 0.05 | 0.12 | 0.36 | 864 | 110 | 0.12 | 0.96 | 3.40 | 0.10 | 8.04 | 13.1 | 30 | 0.22 | 42.5 |
| W233357 | | 1.31 | 0.11 | 0.78 | 0.66 | 733 | 190 | 0.22 | 1.20 | 1.73 | 0.06 | 10.55 | 16.4 | 33 | 0.43 | 56.3 |
| W233358 | | 1.48 | 0.07 | 6.54 | 3.77 | 458 | 1140 | 1.35 | 3.89 | 1.99 | 0.18 | 59.5 | 15.1 | 69 | 2.65 | 92.5 |
| W233359 | | 1.99 | 0.02 | 0.10 | 0.43 | 54.9 | 120 | 0.16 | 0.51 | 3.06 | 0.06 | 19.70 | 2.2 | 41 | 0.30 | 83.9 |
| W233360 | | 1.65 | 0.03 | 0.06 | 0.42 | 22.7 | 120 | 0.14 | 1.96 | 3.30 | 0.07 | 19.80 | 1.9 | 36 | 0.27 | 15.1 |

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

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Project: Rau


**Finalized Date: 19-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20208108

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233321 | | 2.73 | 18.00 | 0.12 | 2.7 | 0.049 | 3.20 | 43.5 | 8.4 | 0.82 | 804 | 7.69 | 0.06 | 17.5 | 43.7 | 2690 |
| W233322 | | 10.15 | 12.50 | 0.15 | 2.1 | 0.039 | 2.23 | 36.9 | 5.5 | 1.34 | 1900 | 20.0 | 0.04 | 14.1 | 148.0 | 1520 |
| W233323 | | 3.48 | 15.90 | 0.14 | 2.6 | 0.043 | 2.76 | 48.9 | 7.1 | 1.26 | 1430 | 10.10 | 0.05 | 21.3 | 39.8 | 2010 |
| W233324 | | 3.45 | 15.70 | 0.16 | 2.8 | 0.038 | 2.78 | 50.1 | 7.1 | 1.29 | 1460 | 9.76 | 0.05 | 22.3 | 38.1 | 2150 |
| W233325 | | 8.16 | 9.38 | 0.14 | 1.9 | 0.039 | 1.62 | 27.0 | 4.0 | 1.91 | 1970 | 17.10 | 0.03 | 11.2 | 117.0 | 1270 |
| W233326 | | 3.28 | 17.00 | 0.21 | 2.9 | 0.045 | 2.84 | 39.1 | 6.8 | 1.30 | 1230 | 9.53 | 0.05 | 23.0 | 41.5 | 2590 |
| W233327 | | 2.11 | 16.55 | 0.17 | 2.4 | 0.034 | 2.78 | 36.4 | 6.5 | 0.62 | 484 | 4.54 | 0.05 | 16.8 | 38.6 | 2330 |
| W233328 | | 2.38 | 13.40 | 0.14 | 2.0 | 0.052 | 1.50 | 12.6 | 2.1 | 0.57 | 722 | 4.60 | 3.34 | 5.5 | 5.3 | 430 |
| W233329 | | 3.13 | 14.85 | 0.15 | 2.5 | 0.036 | 2.57 | 33.3 | 5.9 | 1.42 | 1270 | 8.15 | 0.05 | 16.9 | 39.8 | 1700 |
| W233330 | | 3.63 | 15.60 | 0.19 | 2.7 | 0.038 | 2.65 | 33.9 | 5.8 | 1.48 | 1320 | 9.82 | 0.05 | 18.5 | 51.6 | 2110 |
| W233331 | | 6.57 | 22.4 | 0.22 | 4.0 | 0.068 | 3.84 | 53.7 | 8.1 | 1.93 | 1920 | 5.63 | 0.07 | 30.8 | 68.3 | 960 |
| W233332 | | 2.62 | 2.35 | 0.08 | 0.6 | 0.014 | 0.38 | 13.7 | 1.3 | 1.77 | 1340 | 1.75 | 0.01 | 5.2 | 12.8 | 280 |
| W233333 | | 2.89 | 1.90 | 0.07 | 0.5 | 0.015 | 0.33 | 9.3 | 1.0 | 1.37 | 1300 | 2.29 | 0.01 | 4.2 | 30.4 | 240 |
| W233334 | | 6.33 | 19.60 | 0.19 | 3.3 | 0.066 | 3.21 | 40.5 | 7.5 | 2.48 | 2540 | 4.68 | 0.06 | 21.8 | 66.3 | 780 |
| W233335 | | 8.05 | 16.50 | 0.15 | 3.0 | 0.065 | 2.67 | 32.6 | 6.4 | 2.30 | 2360 | 5.58 | 0.05 | 18.6 | 62.4 | 740 |
| W233336 | | 2.57 | 1.80 | <0.05 | 0.8 | 0.012 | 0.31 | 7.8 | 1.3 | 1.64 | 1340 | 1.73 | 0.01 | 4.0 | 19.0 | 230 |
| W233337 | | 4.46 | 15.05 | 0.10 | 2.9 | 0.055 | 2.44 | 38.4 | 8.7 | 2.58 | 2170 | 3.30 | 0.04 | 27.0 | 33.9 | 680 |
| W233338 | | 0.11 | 0.51 | <0.05 | 0.1 | <0.005 | 0.06 | 1.0 | 1.8 | 1.75 | 94 | 0.06 | 0.07 | 0.4 | 0.5 | 60 |
| W233339 | | 3.57 | 2.97 | <0.05 | 0.6 | 0.012 | 0.47 | 11.7 | 2.0 | 1.13 | 1060 | 2.03 | 0.01 | 4.6 | 24.9 | 560 |
| W233340 | | 2.81 | 6.20 | 0.08 | 1.0 | 0.022 | 1.02 | 19.3 | 3.3 | 0.99 | 942 | 1.66 | 0.02 | 9.2 | 19.5 | 420 |
| W233341 | | 3.70 | 5.08 | 0.07 | 1.0 | 0.022 | 0.82 | 15.4 | 2.9 | 1.26 | 1420 | 4.01 | 0.02 | 6.1 | 34.3 | 440 |
| W233342 | | 3.23 | 6.40 | 0.10 | 1.5 | 0.020 | 1.08 | 21.4 | 3.4 | 1.04 | 1060 | 2.37 | 0.02 | 16.9 | 21.2 | 740 |
| W233343 | | 3.56 | 1.26 | 0.06 | 0.3 | 0.012 | 0.16 | 7.8 | 0.8 | 0.84 | 1140 | 1.85 | 0.01 | 2.5 | 17.2 | 470 |
| W233344 | | 2.45 | 13.65 | 0.15 | 1.9 | 0.041 | 1.44 | 13.1 | 2.4 | 0.54 | 713 | 6.29 | 3.24 | 5.5 | 8.0 | 490 |
| W233345 | | 4.11 | 2.65 | 0.09 | 0.6 | 0.026 | 0.36 | 16.7 | 1.5 | 1.67 | 1770 | 2.86 | 0.02 | 4.3 | 23.4 | 500 |
| W233346 | | 4.26 | 13.65 | 0.15 | 2.4 | 0.036 | 2.41 | 30.5 | 7.5 | 1.48 | 1220 | 12.95 | 0.05 | 10.9 | 62.4 | 2340 |
| W233347 | | 4.07 | 17.85 | 0.17 | 2.8 | 0.059 | 3.02 | 39.4 | 8.4 | 1.25 | 951 | 2.37 | 0.07 | 23.9 | 37.4 | 1340 |
| W233348 | | 3.20 | 17.45 | 0.18 | 2.4 | 0.062 | 2.97 | 39.0 | 9.5 | 1.57 | 1080 | 0.71 | 0.07 | 25.6 | 21.9 | 1760 |
| W233349 | | 7.01 | 18.20 | 0.18 | 2.0 | 0.078 | 2.78 | 38.0 | 15.5 | 1.77 | 939 | 0.96 | 0.06 | 37.8 | 38.9 | 1740 |
| W233350 | | 5.61 | 20.0 | 0.20 | 3.2 | 0.082 | 3.27 | 46.1 | 10.8 | 0.82 | 940 | 6.20 | 0.09 | 41.2 | 50.4 | 1460 |
| W233351 | | 5.52 | 19.20 | 0.23 | 2.8 | 0.080 | 3.01 | 54.1 | 10.9 | 1.28 | 1620 | 1.34 | 0.08 | 46.9 | 40.7 | 2090 |
| W233352 | | 3.03 | 14.80 | 0.22 | 1.8 | 0.050 | 2.39 | 35.5 | 6.9 | 0.95 | 773 | 0.51 | 0.06 | 18.0 | 24.7 | 1200 |
| W233353 | | 3.48 | 20.0 | 0.26 | 3.0 | 0.055 | 3.22 | 53.0 | 9.7 | 1.01 | 527 | 0.56 | 0.08 | 19.1 | 26.5 | 930 |
| W233354 | | 2.55 | 13.10 | 0.18 | 1.8 | 0.043 | 2.19 | 26.9 | 7.0 | 0.75 | 586 | 1.09 | 0.05 | 16.9 | 24.0 | 890 |
| W233355 | | 4.46 | 1.06 | 0.08 | 0.3 | 0.014 | 0.15 | 5.4 | 0.9 | 1.30 | 1360 | 0.97 | <0.01 | 1.8 | 23.3 | 210 |
| W233356 | | 3.71 | 1.16 | 0.08 | 0.2 | 0.012 | 0.17 | 4.3 | 0.9 | 1.39 | 1370 | 0.71 | <0.01 | 1.8 | 19.5 | 190 |
| W233357 | | 4.37 | 2.12 | 0.07 | 0.4 | 0.010 | 0.30 | 5.6 | 1.3 | 0.74 | 965 | 1.31 | 0.01 | 2.8 | 25.0 | 230 |
| W233358 | | 5.45 | 11.25 | 0.16 | 1.7 | 0.032 | 1.76 | 31.4 | 6.3 | 0.96 | 1410 | 2.68 | 0.04 | 16.1 | 51.4 | 1630 |
| W233359 | | 2.38 | 1.44 | 0.07 | 0.4 | 0.021 | 0.20 | 10.3 | 1.1 | 1.04 | 1240 | 0.84 | 0.01 | 3.2 | 6.5 | 400 |
| W233360 | | 2.36 | 1.36 | 0.06 | 0.5 | 0.012 | 0.19 | 10.5 | 1.1 | 1.13 | 1320 | 0.60 | <0.01 | 3.4 | 5.1 | 390 |

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Project: Rau

# CERTIFICATE OF ANALYSIS WH20208108

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233321 | | 2.1 | 132.5 | 0.002 | 0.09 | 0.74 | 11.1 | 3 | 19.2 | 47.1 | 0.91 | <0.05 | 10.05 | 0.345 | 0.66 | 3.9 |
| W233322 | | 7.4 | 92.3 | <0.002 | 0.98 | 3.36 | 8.9 | 13 | 15.0 | 58.4 | 0.68 | 0.22 | 6.63 | 0.256 | 0.42 | 5.2 |
| W233323 | | 1.9 | 114.0 | <0.002 | 0.10 | 0.84 | 10.3 | 4 | 17.1 | 60.8 | 1.02 | 0.08 | 9.52 | 0.385 | 0.51 | 3.5 |
| W233324 | | 2.3 | 115.5 | <0.002 | 0.09 | 0.82 | 10.3 | 3 | 17.4 | 63.0 | 1.08 | <0.05 | 10.00 | 0.411 | 0.56 | 3.7 |
| W233325 | | 8.2 | 66.3 | 0.002 | 1.00 | 2.88 | 6.6 | 8 | 11.2 | 76.3 | 0.58 | 0.19 | 5.89 | 0.218 | 0.34 | 6.0 |
| W233326 | | 4.2 | 117.0 | 0.002 | 0.17 | 0.94 | 11.0 | 4 | 19.0 | 65.8 | 1.13 | 0.06 | 10.15 | 0.402 | 0.64 | 4.6 |
| W233327 | | 3.9 | 113.5 | 0.003 | 0.14 | 0.74 | 10.2 | 3 | 16.3 | 41.4 | 0.86 | <0.05 | 9.28 | 0.318 | 0.59 | 3.4 |
| W233328 | | 122.0 | 29.3 | 0.002 | 0.12 | 14.90 | 6.8 | <1 | 1.2 | 211 | 0.40 | <0.05 | 2.77 | 0.200 | 0.45 | 1.2 |
| W233329 | | 2.8 | 102.0 | 0.004 | 0.13 | 0.84 | 9.7 | 3 | 14.6 | 66.4 | 0.87 | 0.07 | 8.76 | 0.317 | 0.55 | 3.1 |
| W233330 | | 4.4 | 105.5 | 0.003 | 0.15 | 1.12 | 10.1 | 3 | 15.2 | 69.6 | 0.97 | 0.09 | 8.96 | 0.331 | 0.55 | 3.9 |
| W233331 | | 2.4 | 148.0 | 0.002 | 0.51 | 1.17 | 14.9 | 4 | 20.0 | 87.1 | 1.63 | 0.08 | 12.30 | 0.513 | 0.78 | 4.4 |
| W233332 | | 1.7 | 16.5 | <0.002 | 0.07 | 0.32 | 1.8 | 1 | 2.3 | 102.0 | 0.23 | <0.05 | 2.01 | 0.080 | 0.13 | 0.8 |
| W233333 | | 2.1 | 13.7 | 0.003 | 0.19 | 0.43 | 1.6 | 2 | 2.7 | 56.8 | 0.19 | <0.05 | 1.67 | 0.066 | 0.09 | 0.9 |
| W233334 | | 4.0 | 129.0 | <0.002 | 0.36 | 0.84 | 13.2 | 4 | 22.9 | 92.6 | 1.12 | 0.11 | 9.91 | 0.378 | 0.71 | 3.5 |
| W233335 | | 4.6 | 111.0 | <0.002 | 0.61 | 0.88 | 11.1 | 5 | 20.6 | 88.1 | 0.93 | 0.29 | 8.46 | 0.312 | 0.61 | 3.9 |
| W233336 | | 2.0 | 11.8 | <0.002 | 0.13 | 0.31 | 1.3 | 2 | 1.5 | 78.3 | 0.16 | <0.05 | 1.52 | 0.060 | 0.06 | 0.7 |
| W233337 | | 8.6 | 104.0 | 0.002 | 0.12 | 1.16 | 10.5 | 2 | 14.3 | 114.5 | 1.30 | 0.05 | 8.08 | 0.438 | 0.58 | 3.2 |
| W233338 | | 0.7 | 1.9 | <0.002 | <0.01 | 0.08 | 0.2 | 2 | <0.2 | 80.1 | 0.05 | <0.05 | 0.10 | 0.005 | 0.02 | 0.2 |
| W233339 | | 3.4 | 18.2 | <0.002 | 0.10 | 0.43 | 2.0 | 2 | 3.3 | 72.1 | 0.22 | <0.05 | 2.06 | 0.082 | 0.12 | 1.0 |
| W233340 | | 2.5 | 45.4 | 0.002 | 0.06 | 0.52 | 4.2 | 1 | 5.9 | 59.7 | 0.45 | <0.05 | 3.86 | 0.180 | 0.24 | 1.2 |
| W233341 | | 3.1 | 35.8 | <0.002 | 0.16 | 0.96 | 3.5 | 1 | 4.5 | 70.3 | 0.29 | <0.05 | 3.01 | 0.117 | 0.19 | 1.3 |
| W233342 | | 1.6 | 43.9 | <0.002 | 0.15 | 0.68 | 3.6 | 1 | 10.4 | 46.3 | 0.90 | 0.08 | 5.35 | 0.185 | 0.23 | 2.2 |
| W233343 | | 1.6 | 6.5 | <0.002 | 0.38 | 0.55 | 0.8 | 1 | 0.8 | 26.0 | 0.12 | <0.05 | 1.29 | 0.037 | 0.05 | 1.0 |
| W233344 | | 1400 | 29.5 | 0.009 | 0.48 | 107.0 | 6.6 | 2 | 1.8 | 207 | 0.37 | 0.06 | 2.77 | 0.191 | 0.33 | 1.7 |
| W233345 | | 5.1 | 15.2 | <0.002 | 0.39 | 1.19 | 2.0 | 2 | 2.4 | 74.7 | 0.21 | 0.06 | 2.40 | 0.068 | 0.10 | 1.1 |
| W233346 | | 2.6 | 102.5 | 0.005 | 0.24 | 1.14 | 9.0 | 6 | 7.1 | 81.6 | 0.64 | 0.13 | 7.98 | 0.272 | 0.58 | 4.5 |
| W233347 | | 2.3 | 131.0 | 0.003 | 0.23 | 1.10 | 14.4 | 4 | 7.6 | 80.9 | 1.25 | 0.05 | 8.94 | 0.537 | 0.72 | 3.1 |
| W233348 | | 1.4 | 129.0 | 0.003 | 0.07 | 0.51 | 13.5 | 1 | 8.2 | 91.4 | 1.32 | <0.05 | 8.80 | 0.530 | 0.72 | 2.6 |
| W233349 | | 2.2 | 125.0 | 0.006 | 0.15 | 1.19 | 14.8 | 2 | 8.4 | 61.2 | 1.86 | <0.05 | 8.42 | 0.687 | 0.83 | 2.5 |
| W233350 | | 2.6 | 137.0 | 0.005 | 1.16 | 1.08 | 15.7 | 3 | 9.1 | 53.9 | 2.03 | 0.07 | 10.65 | 0.640 | 0.79 | 3.6 |
| W233351 | | 2.4 | 125.5 | 0.004 | 0.29 | 1.81 | 15.2 | 2 | 12.9 | 86.2 | 2.33 | 0.05 | 11.60 | 0.718 | 0.70 | 3.4 |
| W233352 | | 2.0 | 99.8 | <0.002 | 0.89 | 0.82 | 10.7 | 1 | 10.8 | 45.0 | 0.95 | <0.05 | 8.48 | 0.358 | 0.49 | 1.8 |
| W233353 | | 1.4 | 137.5 | 0.002 | 1.53 | 0.94 | 13.7 | 2 | 11.9 | 40.8 | 1.06 | <0.05 | 13.90 | 0.357 | 0.64 | 2.7 |
| W233354 | | 1.7 | 92.7 | <0.002 | 0.90 | 0.86 | 9.1 | 1 | 9.0 | 35.2 | 0.83 | 0.08 | 6.64 | 0.350 | 0.50 | 1.8 |
| W233355 | | 1.3 | 6.3 | 0.007 | 1.73 | 0.44 | 0.8 | 2 | 1.8 | 29.7 | 0.08 | 0.08 | 0.98 | 0.029 | 0.07 | 0.7 |
| W233356 | | 1.3 | 6.9 | 0.009 | 1.44 | 0.47 | 0.8 | 2 | 1.6 | 34.3 | 0.09 | 0.08 | 0.83 | 0.030 | 0.05 | 0.6 |
| W233357 | | 2.3 | 12.8 | <0.002 | 1.94 | 1.06 | 1.5 | 1 | 2.0 | 18.8 | 0.13 | 0.23 | 1.50 | 0.047 | 0.16 | 0.5 |
| W233358 | | 3.2 | 75.1 | <0.002 | 0.63 | 2.02 | 7.7 | 2 | 10.5 | 40.4 | 0.78 | 0.16 | 7.09 | 0.287 | 0.40 | 3.4 |
| W233359 | | 1.4 | 9.5 | <0.002 | 0.11 | 0.31 | 1.0 | <1 | 1.7 | 45.8 | 0.14 | <0.05 | 1.59 | 0.048 | 0.06 | 0.6 |
| W233360 | | 1.1 | 9.0 | <0.002 | 0.17 | 0.47 | 0.9 | 1 | 1.4 | 49.2 | 0.14 | 0.05 | 1.46 | 0.050 | 0.05 | 0.6 |

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

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


**Finalized Date: 19-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208108

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233321 | | 277 | 5.3 | 10.1 | 27 | 102.5 |
| W233322 | | 190 | 4.1 | 10.6 | 54 | 94.8 |
| W233323 | | 234 | 5.7 | 10.8 | 51 | 110.5 |
| W233324 | | 237 | 6.2 | 11.1 | 50 | 113.0 |
| W233325 | | 157 | 3.3 | 8.9 | 81 | 76.6 |
| W233326 | | 260 | 5.9 | 10.6 | 33 | 117.5 |
| W233327 | | 214 | 4.6 | 8.7 | 29 | 89.9 |
| W233328 | | 39 | 11.0 | 15.9 | 216 | 60.3 |
| W233329 | | 182 | 4.7 | 8.6 | 32 | 95.6 |
| W233330 | | 225 | 5.2 | 9.2 | 23 | 105.5 |
| W233331 | | 156 | 6.4 | 11.2 | 39 | 172.5 |
| W233332 | | 24 | 1.0 | 2.8 | 19 | 22.8 |
| W233333 | | 21 | 1.2 | 2.8 | 18 | 19.7 |
| W233334 | | 115 | 8.2 | 9.1 | 37 | 138.0 |
| W233335 | | 99 | 4.7 | 9.5 | 57 | 135.0 |
| W233336 | | 16 | 0.9 | 2.3 | 16 | 17.6 |
| W233337 | | 152 | 5.6 | 8.5 | 38 | 128.5 |
| W233338 | | 2 | 0.1 | 2.0 | 5 | 1.9 |
| W233339 | | 27 | 0.9 | 3.3 | 18 | 21.7 |
| W233340 | | 45 | 4.8 | 3.9 | 19 | 42.0 |
| W233341 | | 37 | 1.4 | 3.8 | 22 | 39.3 |
| W233342 | | 78 | 2.7 | 5.1 | 15 | 63.8 |
| W233343 | | 16 | 0.6 | 3.3 | 13 | 13.1 |
| W233344 | | 51 | 17.3 | 16.4 | 2670 | 59.9 |
| W233345 | | 23 | 1.0 | 4.1 | 42 | 25.2 |
| W233346 | | 406 | 4.1 | 9.2 | 33 | 85.5 |
| W233347 | | 159 | 4.3 | 13.3 | 35 | 113.5 |
| W233348 | | 170 | 4.7 | 12.5 | 23 | 97.8 |
| W233349 | | 169 | 4.8 | 11.9 | 56 | 81.8 |
| W233350 | | 174 | 4.9 | 14.6 | 27 | 135.0 |
| W233351 | | 150 | 5.7 | 16.9 | 36 | 127.0 |
| W233352 | | 108 | 4.5 | 8.8 | 11 | 71.9 |
| W233353 | | 116 | 5.2 | 12.4 | 8 | 126.5 |
| W233354 | | 106 | 3.9 | 7.1 | 8 | 70.7 |
| W233355 | | 8 | 1.7 | 2.6 | 31 | 9.3 |
| W233356 | | 8 | 1.0 | 2.4 | 23 | 10.2 |
| W233357 | | 16 | 6.4 | 2.6 | 10 | 15.5 |
| W233358 | | 92 | 62.1 | 7.9 | 32 | 72.1 |
| W233359 | | 16 | 0.7 | 2.8 | 11 | 19.3 |
| W233360 | | 16 | 0.8 | 2.7 | 10 | 18.7 |

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

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

Project: Rau


**Finalized Date: 19-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20208108

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

REEs may not be totally soluble in this method.

Applies to Method: ME-MS61

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 12-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20204442

Project: Rau

P.O. No.: R20-D17

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 14-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |
| Ag-OG62 | Ore Grade Ag - Four Acid | |
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Ag-GRA21 | Ag 30g FA-GRAV finish | WST-SIM |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 12-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204442

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613441 | | 0.95 | 0.02 | 0.06 | 4.06 | 37.4 | 1520 | 1.33 | 9.67 | 3.50 | 0.07 | 55.3 | 9.0 | 62 | 2.45 | 28.0 |
| R613442 | | 2.24 | 0.01 | 0.08 | 3.87 | 37.8 | 940 | 1.18 | 8.23 | 2.72 | 0.05 | 54.8 | 11.8 | 54 | 2.41 | 41.4 |
| R613443 | | 1.32 | 0.01 | 0.03 | 3.95 | 25.7 | 1410 | 1.27 | 15.20 | 4.04 | 0.06 | 54.0 | 8.0 | 57 | 2.54 | 26.5 |
| R613444 | | 1.28 | 0.02 | 0.12 | 4.19 | 71.5 | 220 | 1.40 | 10.30 | 4.53 | 0.07 | 61.5 | 26.8 | 58 | 2.74 | 87.9 |
| R613445 | | 1.24 | 0.01 | 0.04 | 4.28 | 35.1 | 1300 | 1.28 | 8.45 | 2.88 | 0.08 | 52.4 | 10.3 | 57 | 2.69 | 30.5 |
| R613446 | | 0.97 | 0.01 | 0.03 | 4.00 | 37.9 | 1490 | 1.27 | 4.08 | 2.81 | 0.06 | 52.9 | 7.2 | 58 | 2.52 | 20.4 |
| R613447 | | 1.94 | 0.01 | <0.01 | 3.95 | 19.9 | 1490 | 1.18 | 7.34 | 3.32 | 0.06 | 52.9 | 6.1 | 55 | 2.43 | 18.7 |
| R613448 | | 0.85 | 0.07 | 0.13 | 4.36 | 43.0 | 90 | 1.28 | 72.4 | 3.06 | 0.14 | 59.0 | 24.0 | 61 | 2.59 | 106.5 |
| R613449 | | 0.26 | 3.31 | 5.86 | 7.23 | 1930 | 180 | 1.59 | 0.63 | 3.15 | 1.15 | 35.9 | 22.8 | 16 | 7.81 | 190.0 |
| R613450 | | 5.22 | 0.02 | 0.04 | 4.42 | 31.2 | 1230 | 1.45 | 5.26 | 3.28 | 0.04 | 58.9 | 10.9 | 60 | 2.77 | 34.8 |
| R613451 | | 5.69 | 0.03 | 0.05 | 3.85 | 93.3 | 1180 | 1.24 | 7.22 | 3.68 | 0.09 | 49.2 | 13.7 | 51 | 2.31 | 32.4 |
| R613452 | | 2.62 | 0.04 | 0.05 | 4.09 | 189.5 | 500 | 1.28 | 9.03 | 3.25 | 0.07 | 50.6 | 19.9 | 55 | 2.44 | 38.2 |
| R613453 | | 1.96 | 0.06 | 0.07 | 4.03 | 37.1 | 1150 | 1.25 | 9.43 | 2.85 | 0.06 | 51.3 | 10.3 | 54 | 2.42 | 23.7 |
| R613454 | | 0.71 | 0.11 | 5.83 | 3.39 | 56.8 | 1250 | 0.91 | 8.52 | 2.30 | 0.13 | 38.4 | 6.8 | 56 | 2.20 | 17.5 |
| R613455 | | <0.02 | 0.10 | 5.61 | 3.60 | 63.2 | 1340 | 1.06 | 9.31 | 2.39 | 0.12 | 39.7 | 7.2 | 61 | 2.44 | 17.9 |
| R613456 | | 2.16 | 0.03 | 0.21 | 3.44 | 86.6 | 800 | 1.06 | 10.80 | 2.88 | 0.05 | 39.1 | 15.9 | 50 | 2.00 | 32.7 |
| R613457 | | 6.08 | 0.08 | 0.12 | 3.75 | 45.1 | 670 | 1.22 | 7.42 | 4.60 | 0.07 | 55.9 | 13.4 | 50 | 2.24 | 33.7 |
| R613458 | | 2.31 | 0.05 | 0.24 | 4.97 | 57.0 | 110 | 1.46 | 14.10 | 2.90 | 0.04 | 65.8 | 31.2 | 64 | 2.74 | 83.0 |
| R613459 | | 1.66 | 0.03 | 0.15 | 4.32 | 49.8 | 150 | 1.41 | 5.76 | 3.96 | 0.14 | 58.2 | 22.2 | 56 | 2.98 | 64.1 |
| R613460 | | 1.53 | 0.03 | 0.11 | 4.56 | 50.9 | 240 | 1.52 | 7.63 | 3.75 | 0.21 | 63.3 | 19.0 | 61 | 3.07 | 55.6 |
| R613461 | | 2.10 | 0.03 | 0.20 | 4.43 | 65.7 | 90 | 1.46 | 9.93 | 3.66 | 0.27 | 57.5 | 14.2 | 61 | 3.01 | 36.9 |
| R613462 | | 0.53 | 0.03 | 0.74 | 2.98 | 54.3 | 120 | 0.92 | 20.9 | 5.25 | 0.13 | 43.7 | 22.7 | 43 | 1.64 | 68.2 |
| R613463 | | 1.69 | 0.02 | 4.10 | 4.26 | 94.4 | 470 | 1.46 | 28.9 | 4.87 | 0.11 | 54.8 | 13.2 | 64 | 2.81 | 41.8 |
| R613464 | | 1.82 | 0.02 | 0.31 | 3.85 | 70.0 | 550 | 1.20 | 7.66 | 5.81 | 0.13 | 52.2 | 14.3 | 60 | 2.68 | 36.8 |
| R613465 | | 1.63 | 0.05 | >100 | 5.56 | 33.0 | 1260 | 1.53 | 3.49 | 4.57 | 0.08 | 82.0 | 28.9 | 76 | 3.19 | 5930 |
| R613466 | | 3.87 | 0.03 | 2.26 | 6.87 | 72.8 | 1520 | 2.29 | 2.27 | 3.36 | 0.15 | 101.0 | 19.5 | 58 | 6.33 | 75.7 |
| R613467 | | 1.07 | <0.01 | 4.81 | 7.57 | 27.6 | 2750 | 2.37 | 1.31 | 2.31 | 0.17 | 113.5 | 10.0 | 57 | 7.27 | 82.9 |
| R613468 | | 1.07 | 0.01 | 0.23 | 6.64 | 61.0 | 290 | 2.25 | 2.54 | 3.65 | 0.17 | 98.8 | 27.2 | 57 | 5.76 | 232 |
| R613469 | | 2.02 | <0.01 | 0.31 | 0.21 | <0.2 | 30 | 0.12 | 0.03 | 34.4 | <0.02 | 1.23 | 0.8 | 4 | 0.05 | 2.8 |
| R613470 | | 3.37 | 0.01 | 0.05 | 6.18 | 76.2 | 2210 | 1.98 | 2.09 | 3.41 | 0.12 | 88.7 | 11.0 | 58 | 5.95 | 42.0 |
| R613471 | | 2.05 | 0.02 | 0.09 | 6.48 | 20.8 | 2420 | 1.96 | 0.74 | 4.43 | 0.11 | 93.8 | 6.2 | 54 | 4.95 | 39.9 |
| R613472 | | 0.77 | 0.06 | 0.28 | 5.02 | 231 | 80 | 1.69 | 7.94 | 4.54 | 0.20 | 80.0 | 36.5 | 53 | 3.97 | 491 |
| R613473 | | 0.16 | 1.27 | 63.0 | 7.03 | 31.7 | 4350 | 1.02 | 0.15 | 1.86 | 15.00 | 26.2 | 5.2 | 18 | 0.48 | 213 |
| R613474 | | 2.06 | 0.01 | 0.38 | 5.70 | 84.8 | 2070 | 1.80 | 2.68 | 3.28 | 0.13 | 77.3 | 6.3 | 59 | 4.64 | 47.6 |
| R613475 | | 0.69 | 0.02 | 0.12 | 4.96 | 151.5 | 1620 | 1.67 | 9.80 | 1.60 | 0.15 | 57.5 | 13.2 | 45 | 3.00 | 56.1 |
| R613476 | | 2.35 | 0.01 | 0.06 | 7.39 | 56.6 | 2620 | 2.67 | 2.37 | 1.73 | 0.21 | 115.0 | 16.8 | 62 | 5.61 | 35.6 |
| R613477 | | 2.89 | <0.01 | <0.01 | 6.48 | 19.2 | 2280 | 2.27 | 1.33 | 2.31 | 0.16 | 86.3 | 11.4 | 51 | 4.58 | 34.9 |
| R613478 | | 4.49 | 0.01 | 0.05 | 6.46 | 32.2 | 2300 | 2.15 | 1.39 | 2.00 | 0.09 | 96.4 | 19.0 | 52 | 4.73 | 34.2 |
| R613479 | | 5.85 | 0.01 | <0.01 | 6.60 | 17.1 | 2310 | 2.38 | 0.45 | 2.04 | 0.07 | 104.5 | 9.3 | 53 | 4.21 | 17.7 |
| R613480 | | 0.95 | 0.01 | 0.13 | 5.47 | 75.0 | 1790 | 2.05 | 2.71 | 1.89 | 0.12 | 94.0 | 18.2 | 53 | 3.37 | 22.9 |

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

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**Finalized Date: 12-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204442

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613441 | | 2.82 | 11.30 | 0.14 | 2.1 | 0.039 | 1.92 | 30.2 | 8.1 | 1.57 | 768 | 4.62 | 0.08 | 21.5 | 26.7 | 1140 |
| R613442 | | 3.41 | 10.90 | 0.13 | 2.1 | 0.037 | 1.81 | 29.3 | 7.7 | 1.25 | 627 | 5.25 | 0.07 | 19.8 | 43.1 | 1120 |
| R613443 | | 3.54 | 10.65 | 0.12 | 2.4 | 0.039 | 1.82 | 29.0 | 8.2 | 1.87 | 998 | 4.51 | 0.07 | 20.4 | 26.4 | 1060 |
| R613444 | | 6.80 | 11.60 | 0.13 | 2.5 | 0.047 | 1.93 | 31.6 | 8.5 | 2.08 | 1440 | 5.32 | 0.08 | 18.2 | 66.3 | 1220 |
| R613445 | | 3.12 | 10.90 | 0.13 | 2.4 | 0.036 | 1.99 | 28.3 | 7.6 | 1.31 | 716 | 5.47 | 0.08 | 19.2 | 32.4 | 1090 |
| R613446 | | 2.23 | 10.50 | 0.13 | 2.3 | 0.041 | 1.87 | 27.8 | 7.7 | 1.28 | 617 | 5.43 | 0.07 | 21.1 | 27.9 | 1080 |
| R613447 | | 2.37 | 10.15 | 0.12 | 2.2 | 0.034 | 1.84 | 28.2 | 7.4 | 1.49 | 741 | 5.34 | 0.07 | 20.4 | 26.7 | 1200 |
| R613448 | | 6.75 | 11.05 | 0.17 | 2.6 | 0.055 | 2.01 | 30.7 | 7.6 | 1.28 | 844 | 12.30 | 0.08 | 19.4 | 72.7 | 1030 |
| R613449 | | 6.24 | 15.60 | 0.17 | 1.7 | 0.061 | 2.92 | 16.6 | 38.4 | 1.04 | 1400 | 3.20 | 0.34 | 6.4 | 12.6 | 1920 |
| R613450 | | 2.87 | 11.70 | 0.14 | 2.6 | 0.038 | 2.07 | 32.0 | 8.3 | 1.51 | 765 | 6.27 | 0.08 | 21.3 | 36.3 | 1210 |
| R613451 | | 2.93 | 10.20 | 0.10 | 2.3 | 0.037 | 1.79 | 26.3 | 7.2 | 1.67 | 857 | 5.64 | 0.07 | 17.6 | 35.6 | 1060 |
| R613452 | | 3.33 | 10.85 | 0.13 | 2.3 | 0.036 | 1.90 | 26.6 | 7.5 | 1.49 | 784 | 6.87 | 0.08 | 18.3 | 42.7 | 1360 |
| R613453 | | 2.55 | 10.40 | 0.14 | 2.3 | 0.031 | 1.85 | 28.1 | 7.7 | 1.32 | 671 | 5.07 | 0.08 | 20.0 | 32.8 | 1450 |
| R613454 | | 2.53 | 8.56 | 0.12 | 1.7 | 0.037 | 1.54 | 19.7 | 5.6 | 0.94 | 634 | 3.04 | 0.07 | 18.0 | 19.7 | 780 |
| R613455 | | 2.54 | 9.24 | 0.12 | 1.8 | 0.034 | 1.65 | 20.5 | 6.2 | 0.98 | 650 | 3.23 | 0.08 | 20.4 | 20.8 | 830 |
| R613456 | | 2.95 | 8.75 | 0.09 | 2.1 | 0.034 | 1.59 | 21.1 | 6.6 | 1.33 | 687 | 5.91 | 0.06 | 16.3 | 39.9 | 1220 |
| R613457 | | 3.77 | 9.91 | 0.14 | 2.2 | 0.039 | 1.70 | 29.8 | 7.3 | 1.96 | 1040 | 4.34 | 0.08 | 18.1 | 36.8 | 1210 |
| R613458 | | 5.32 | 12.50 | 0.14 | 3.0 | 0.049 | 2.26 | 32.9 | 8.8 | 1.23 | 723 | 11.35 | 0.10 | 23.3 | 64.8 | 1580 |
| R613459 | | 5.16 | 11.25 | 0.15 | 2.6 | 0.042 | 1.82 | 30.6 | 8.3 | 1.77 | 895 | 8.75 | 0.08 | 19.6 | 57.5 | 1490 |
| R613460 | | 4.46 | 11.70 | 0.13 | 2.8 | 0.045 | 1.95 | 33.7 | 8.6 | 1.68 | 819 | 9.68 | 0.09 | 20.7 | 48.8 | 1550 |
| R613461 | | 5.38 | 11.30 | 0.13 | 2.7 | 0.046 | 1.95 | 29.8 | 8.1 | 1.52 | 788 | 6.86 | 0.09 | 19.8 | 43.6 | 1670 |
| R613462 | | 5.64 | 7.80 | 0.11 | 1.7 | 0.033 | 1.33 | 23.2 | 5.2 | 2.01 | 1290 | 10.20 | 0.06 | 14.3 | 67.9 | 930 |
| R613463 | | 4.05 | 10.70 | 0.13 | 2.5 | 0.040 | 1.88 | 29.3 | 7.6 | 1.89 | 1120 | 5.79 | 0.09 | 19.8 | 34.7 | 1340 |
| R613464 | | 4.70 | 10.05 | 0.12 | 2.3 | 0.037 | 1.73 | 28.2 | 7.1 | 2.32 | 1520 | 4.00 | 0.08 | 15.7 | 43.0 | 1230 |
| R613465 | | 4.23 | 13.85 | 0.16 | 2.8 | 0.054 | 2.44 | 43.7 | 9.2 | 1.93 | 1020 | 5.25 | 0.13 | 20.9 | 829 | 1790 |
| R613466 | | 5.35 | 18.25 | 0.17 | 3.5 | 0.091 | 2.97 | 53.3 | 15.6 | 2.17 | 1020 | 1.54 | 0.13 | 45.2 | 37.5 | 2090 |
| R613467 | | 5.66 | 20.2 | 0.20 | 4.2 | 0.131 | 3.40 | 59.4 | 21.9 | 2.63 | 1110 | 1.32 | 0.13 | 42.0 | 31.0 | 1650 |
| R613468 | | 7.40 | 17.85 | 0.18 | 2.5 | 0.135 | 2.87 | 50.0 | 20.0 | 2.70 | 1550 | 0.66 | 0.11 | 42.8 | 57.6 | 2030 |
| R613469 | | 0.17 | 0.58 | 0.05 | 0.1 | <0.005 | 0.05 | 1.3 | 1.0 | 1.22 | 100 | 0.06 | 0.10 | 0.4 | 1.3 | 70 |
| R613470 | | 5.09 | 16.05 | 0.17 | 2.7 | 0.093 | 2.74 | 45.8 | 16.9 | 2.51 | 1180 | 1.03 | 0.11 | 39.6 | 40.4 | 1600 |
| R613471 | | 3.29 | 17.00 | 0.20 | 2.7 | 0.082 | 2.90 | 48.8 | 12.4 | 2.28 | 1020 | 1.04 | 0.14 | 40.0 | 24.5 | 1820 |
| R613472 | | 6.41 | 13.35 | 0.15 | 2.4 | 0.066 | 2.20 | 40.2 | 9.9 | 1.50 | 691 | 3.71 | 0.11 | 26.9 | 107.5 | 2900 |
| R613473 | | 2.50 | 13.30 | 0.09 | 2.0 | 0.040 | 1.46 | 13.3 | 2.4 | 0.54 | 719 | 7.11 | 3.21 | 5.9 | 8.4 | 500 |
| R613474 | | 3.79 | 14.60 | 0.15 | 2.7 | 0.081 | 2.57 | 41.4 | 13.4 | 1.98 | 924 | 5.63 | 0.12 | 33.6 | 23.2 | 1450 |
| R613475 | | 3.25 | 12.70 | 0.13 | 1.5 | 0.085 | 2.03 | 30.5 | 12.5 | 1.18 | 658 | 1.55 | 0.10 | 27.3 | 20.7 | 1320 |
| R613476 | | 5.02 | 19.75 | 0.23 | 2.5 | 0.104 | 3.20 | 60.3 | 21.4 | 2.16 | 864 | 1.62 | 0.13 | 47.0 | 25.9 | 1620 |
| R613477 | | 5.21 | 17.10 | 0.18 | 2.3 | 0.101 | 2.71 | 45.6 | 17.1 | 2.15 | 1020 | 0.99 | 0.12 | 45.0 | 25.9 | 1400 |
| R613478 | | 5.34 | 17.35 | 0.18 | 2.4 | 0.112 | 2.74 | 52.2 | 14.1 | 2.09 | 984 | 1.01 | 0.14 | 44.8 | 27.0 | 1510 |
| R613479 | | 5.05 | 17.85 | 0.19 | 2.3 | 0.097 | 2.74 | 55.7 | 14.4 | 1.97 | 950 | 0.76 | 0.18 | 46.5 | 21.8 | 1590 |
| R613480 | | 4.00 | 15.05 | 0.15 | 2.3 | 0.073 | 2.17 | 51.1 | 12.3 | 1.33 | 727 | 1.40 | 0.16 | 38.4 | 43.6 | 1490 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 12-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204442

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613441 | | 1.7 | 81.5 | 0.014 | 0.99 | 0.64 | 9.3 | 2 | 5.1 | 96.1 | 1.12 | 0.05 | 6.46 | 0.361 | 0.36 | 3.8 |
| R613442 | | 1.6 | 79.1 | 0.027 | 1.49 | 1.47 | 8.9 | 2 | 4.7 | 80.2 | 1.05 | 0.06 | 6.07 | 0.321 | 0.38 | 4.4 |
| R613443 | | 1.7 | 79.4 | 0.026 | 0.88 | 1.31 | 9.3 | 2 | 4.9 | 102.0 | 1.13 | 0.07 | 6.55 | 0.335 | 0.44 | 3.7 |
| R613444 | | 3.4 | 83.7 | 0.026 | 2.37 | 1.65 | 10.3 | 3 | 5.3 | 100.5 | 1.05 | 0.10 | 7.33 | 0.310 | 0.46 | 7.4 |
| R613445 | | 1.5 | 82.3 | 0.023 | 1.05 | 0.79 | 9.2 | 1 | 4.8 | 78.4 | 1.10 | 0.06 | 6.51 | 0.341 | 0.44 | 4.3 |
| R613446 | | 1.2 | 80.2 | 0.040 | 0.76 | 0.73 | 8.8 | 1 | 4.8 | 78.8 | 1.23 | <0.05 | 6.58 | 0.343 | 0.44 | 4.0 |
| R613447 | | 1.3 | 77.8 | 0.032 | 0.68 | 0.95 | 8.5 | 1 | 4.6 | 85.6 | 1.14 | 0.06 | 6.91 | 0.323 | 0.42 | 11.3 |
| R613448 | | 4.1 | 80.0 | 0.029 | 4.46 | 3.44 | 9.2 | 4 | 5.0 | 67.1 | 1.13 | 0.20 | 7.88 | 0.324 | 0.57 | 4.8 |
| R613449 | | 35.1 | 94.0 | <0.002 | 4.19 | 24.9 | 21.1 | 14 | 1.9 | 187.5 | 0.35 | 0.11 | 4.16 | 0.415 | 2.36 | 2.1 |
| R613450 | | 1.7 | 86.8 | 0.016 | 1.11 | 0.75 | 9.6 | 2 | 5.1 | 86.7 | 1.21 | 0.08 | 7.15 | 0.349 | 0.46 | 4.5 |
| R613451 | | 1.8 | 75.3 | 0.021 | 1.26 | 0.68 | 8.6 | 2 | 4.5 | 88.0 | 1.01 | 0.09 | 6.21 | 0.292 | 0.39 | 3.9 |
| R613452 | | 1.8 | 79.9 | 0.023 | 1.79 | 0.74 | 9.2 | 2 | 4.5 | 79.0 | 1.02 | 0.09 | 6.34 | 0.308 | 0.43 | 3.8 |
| R613453 | | 1.7 | 77.8 | 0.017 | 1.29 | 0.94 | 8.9 | 2 | 4.4 | 72.8 | 1.13 | 0.07 | 6.08 | 0.341 | 0.46 | 4.8 |
| R613454 | | 4.2 | 65.1 | 0.004 | 0.16 | 0.79 | 7.6 | 1 | 3.2 | 53.8 | 1.01 | 0.06 | 5.07 | 0.295 | 0.35 | 2.2 |
| R613455 | | 4.9 | 71.6 | 0.004 | 0.15 | 0.83 | 8.5 | 1 | 3.5 | 57.3 | 1.15 | 0.05 | 5.24 | 0.318 | 0.41 | 2.4 |
| R613456 | | 2.0 | 65.7 | 0.019 | 1.71 | 1.15 | 7.6 | 2 | 3.5 | 71.4 | 0.93 | 0.08 | 5.16 | 0.290 | 0.38 | 3.6 |
| R613457 | | 3.0 | 74.3 | 0.010 | 1.71 | 1.05 | 8.8 | 2 | 4.1 | 100.0 | 0.96 | 0.05 | 6.61 | 0.306 | 0.41 | 4.7 |
| R613458 | | 3.4 | 93.3 | 0.016 | 3.31 | 1.31 | 10.8 | 3 | 5.6 | 71.7 | 1.22 | 0.14 | 7.95 | 0.407 | 0.49 | 5.9 |
| R613459 | | 3.2 | 78.3 | 0.025 | 3.17 | 5.98 | 9.8 | 3 | 5.2 | 82.8 | 1.08 | 0.12 | 7.13 | 0.352 | 0.51 | 6.6 |
| R613460 | | 3.8 | 81.8 | 0.025 | 2.42 | 4.06 | 10.1 | 2 | 5.6 | 79.9 | 1.11 | 0.06 | 7.60 | 0.366 | 0.51 | 7.2 |
| R613461 | | 2.9 | 82.3 | 0.022 | 3.81 | 8.04 | 9.6 | 2 | 5.6 | 72.1 | 1.05 | 0.06 | 7.01 | 0.343 | 0.56 | 6.4 |
| R613462 | | 4.4 | 56.4 | 0.015 | 3.14 | 1.34 | 7.0 | 3 | 3.7 | 88.1 | 0.79 | 0.16 | 5.03 | 0.237 | 0.30 | 5.7 |
| R613463 | | 3.9 | 84.6 | 0.018 | 1.67 | 1.65 | 9.7 | 2 | 4.7 | 97.7 | 1.06 | 0.13 | 6.96 | 0.344 | 0.45 | 10.7 |
| R613464 | | 3.5 | 73.8 | 0.018 | 1.61 | 0.99 | 9.0 | 1 | 4.6 | 108.0 | 0.86 | <0.05 | 6.11 | 0.284 | 0.38 | 7.7 |
| R613465 | | 2.9 | 103.5 | 0.051 | 1.37 | 1.13 | 11.9 | 1 | 5.0 | 124.0 | 0.73 | <0.05 | 9.29 | 0.460 | 0.93 | 5.6 |
| R613466 | | 6.2 | 134.5 | 0.006 | 1.33 | 1.33 | 14.5 | 1 | 5.4 | 98.4 | 2.43 | <0.05 | 12.55 | 0.628 | 0.76 | 4.4 |
| R613467 | | 7.1 | 155.5 | 0.003 | 0.75 | 1.04 | 15.9 | 1 | 8.2 | 71.0 | 2.31 | <0.05 | 14.60 | 0.667 | 0.92 | 4.0 |
| R613468 | | 8.7 | 128.0 | 0.002 | 2.47 | 1.32 | 15.3 | 2 | 12.6 | 94.3 | 2.37 | <0.05 | 11.30 | 0.718 | 0.71 | 3.0 |
| R613469 | | 0.5 | 1.7 | <0.002 | 0.01 | 0.09 | 0.3 | 1 | 0.2 | 86.1 | <0.05 | <0.05 | 0.12 | 0.007 | 0.02 | 0.2 |
| R613470 | | 5.9 | 124.5 | 0.003 | 0.67 | 1.39 | 12.6 | 1 | 6.1 | 91.5 | 2.15 | <0.05 | 10.70 | 0.622 | 0.70 | 3.0 |
| R613471 | | 5.7 | 128.0 | <0.002 | 0.23 | 1.19 | 13.1 | <1 | 6.0 | 127.0 | 2.19 | <0.05 | 11.40 | 0.600 | 0.68 | 2.9 |
| R613472 | | 12.3 | 98.1 | 0.010 | 4.05 | 1.82 | 10.5 | 3 | 7.9 | 153.0 | 1.40 | 0.15 | 8.97 | 0.409 | 0.52 | 5.4 |
| R613473 | | 1470 | 28.7 | 0.008 | 0.50 | 110.5 | 7.2 | 3 | 1.8 | 211 | 0.41 | 0.07 | 2.86 | 0.195 | 0.38 | 1.8 |
| R613474 | | 6.8 | 114.5 | 0.007 | 0.43 | 0.96 | 11.9 | 1 | 5.5 | 97.2 | 1.82 | 0.05 | 9.51 | 0.531 | 0.62 | 3.6 |
| R613475 | | 7.3 | 86.9 | 0.002 | 0.43 | 1.09 | 8.8 | <1 | 8.0 | 57.4 | 1.44 | 0.09 | 7.30 | 0.402 | 0.42 | 1.9 |
| R613476 | | 8.0 | 145.0 | 0.003 | 0.75 | 1.13 | 14.7 | 1 | 6.8 | 59.2 | 2.48 | 0.05 | 14.05 | 0.701 | 0.80 | 2.7 |
| R613477 | | 4.0 | 124.0 | 0.002 | 0.54 | 1.13 | 13.0 | <1 | 5.1 | 74.0 | 2.40 | 0.05 | 11.50 | 0.599 | 0.65 | 2.6 |
| R613478 | | 3.2 | 123.5 | 0.003 | 0.43 | 0.81 | 12.9 | <1 | 3.6 | 71.6 | 2.29 | 0.08 | 12.05 | 0.629 | 0.64 | 2.9 |
| R613479 | | 4.0 | 120.0 | 0.002 | 0.17 | 0.79 | 12.8 | <1 | 4.4 | 79.5 | 2.55 | <0.05 | 12.80 | 0.630 | 0.62 | 3.0 |
| R613480 | | 5.9 | 98.8 | 0.003 | 0.87 | 1.88 | 10.4 | 1 | 3.2 | 79.0 | 2.06 | 0.06 | 10.20 | 0.560 | 0.49 | 3.6 |

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

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**Finalized Date: 12-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204442

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Ag-OG62 | Ag-GRA21 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr | Ag | Ag |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 | 1 | 5 |
| R613441 | | 132 | 3.1 | 9.7 | 11 | 89.9 | | |
| R613442 | | 129 | 3.0 | 9.4 | 9 | 87.5 | | |
| R613443 | | 128 | 2.7 | 9.7 | 12 | 92.0 | | |
| R613444 | | 138 | 2.7 | 10.3 | 14 | 96.0 | | |
| R613445 | | 142 | 2.9 | 8.6 | 11 | 87.0 | | |
| R613446 | | 130 | 2.9 | 8.7 | 9 | 84.4 | | |
| R613447 | | 133 | 2.5 | 9.1 | 10 | 81.7 | | |
| R613448 | | 146 | 3.2 | 11.3 | 18 | 90.5 | | |
| R613449 | | 209 | 2.0 | 14.5 | 154 | 61.2 | | |
| R613450 | | 146 | 2.9 | 10.0 | 10 | 95.0 | | |
| R613451 | | 124 | 2.3 | 8.8 | 11 | 83.0 | | |
| R613452 | | 142 | 2.6 | 9.5 | 11 | 85.1 | | |
| R613453 | | 134 | 2.8 | 9.9 | 9 | 92.8 | | |
| R613454 | | 84 | 24.0 | 6.4 | 16 | 60.0 | | |
| R613455 | | 89 | 26.7 | 7.1 | 16 | 62.8 | | |
| R613456 | | 122 | 3.2 | 8.0 | 9 | 86.0 | | |
| R613457 | | 125 | 3.1 | 10.3 | 11 | 85.5 | | |
| R613458 | | 174 | 4.3 | 11.8 | 9 | 111.5 | | |
| R613459 | | 151 | 3.8 | 11.0 | 13 | 109.5 | | |
| R613460 | | 163 | 4.0 | 11.0 | 19 | 113.5 | | |
| R613461 | | 159 | 4.4 | 11.4 | 20 | 110.5 | | |
| R613462 | | 107 | 7.5 | 8.2 | 15 | 67.7 | | |
| R613463 | | 136 | 26.7 | 10.6 | 16 | 101.5 | | |
| R613464 | | 129 | 4.8 | 9.7 | 19 | 98.0 | | |
| R613465 | | 125 | 5620 | 13.3 | 20 | 113.5 | >1500 | 3060 |
| R613466 | | 140 | 19.9 | 16.7 | 37 | 138.0 | | |
| R613467 | | 132 | 13.1 | 17.2 | 50 | 146.0 | | |
| R613468 | | 124 | 5.1 | 15.9 | 45 | 97.5 | | |
| R613469 | | 2 | 1.7 | 2.5 | 3 | 2.7 | | |
| R613470 | | 110 | 3.8 | 14.4 | 38 | 99.7 | | |
| R613471 | | 110 | 4.4 | 16.6 | 26 | 115.0 | | |
| R613472 | | 115 | 3.4 | 16.0 | 33 | 94.2 | | |
| R613473 | | 52 | 12.4 | 17.0 | 2680 | 60.5 | | |
| R613474 | | 140 | 5.2 | 12.9 | 36 | 102.0 | | |
| R613475 | | 84 | 2.7 | 9.2 | 35 | 56.9 | | |
| R613476 | | 132 | 3.8 | 13.6 | 34 | 101.0 | | |
| R613477 | | 110 | 3.5 | 12.9 | 36 | 102.0 | | |
| R613478 | | 112 | 3.8 | 12.1 | 26 | 94.1 | | |
| R613479 | | 112 | 4.3 | 12.8 | 28 | 102.0 | | |
| R613480 | | 95 | 5.4 | 13.2 | 28 | 102.0 | | |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 12-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20204442

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | | | |
|---|---|---|---|
| Ag-GRA21 | Ag-OG62 | Au-AA26 | ME-MS61 |
| ME-OG62 | | | |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20213729

Project: Rau

P.O. No.: R20-D18

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 27-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213729

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233361 | | 6.29 | 0.01 | 1.56 | 0.55 | 70.2 | 250 | 0.23 | 0.98 | 2.94 | 0.09 | 18.75 | 1.8 | 33 | 0.35 | 12.0 |
| W233362 | | 4.21 | 0.03 | 0.88 | 4.52 | 222 | 1290 | 1.59 | 0.43 | 1.22 | 0.04 | 86.3 | 15.0 | 52 | 4.50 | 20.0 |
| W233363 | | 2.97 | 0.01 | 0.15 | 2.34 | 192.5 | 680 | 0.80 | 0.25 | 1.22 | 0.05 | 55.1 | 12.7 | 48 | 1.62 | 37.4 |
| W233364 | | 3.06 | 0.01 | 0.25 | 5.57 | 191.5 | 1650 | 1.72 | 0.38 | 0.58 | <0.02 | 101.0 | 10.8 | 63 | 8.65 | 9.6 |
| W233365 | | 6.55 | 0.01 | 0.18 | 6.17 | 187.0 | 1750 | 2.04 | 0.36 | 1.27 | 0.02 | 96.0 | 10.5 | 61 | 5.57 | 20.9 |
| W233366 | | 4.29 | 0.02 | 0.02 | 6.30 | 118.5 | 1900 | 2.35 | 0.13 | 0.50 | 0.03 | 93.9 | 7.4 | 67 | 5.81 | 8.0 |
| W233367 | | 3.12 | <0.01 | 0.05 | 1.32 | 99.4 | 300 | 0.33 | 0.33 | 0.12 | 0.03 | 58.5 | 6.1 | 49 | 2.34 | 20.9 |
| W233368 | | 1.52 | 0.01 | 0.03 | 4.85 | 151.5 | 1400 | 1.54 | 0.24 | 0.08 | <0.02 | 111.0 | 9.2 | 61 | 7.62 | 10.8 |
| W233369 | | 0.57 | 0.02 | 0.04 | 2.94 | 163.0 | 820 | 1.02 | 0.13 | 0.30 | 0.07 | 70.6 | 10.7 | 46 | 2.68 | 13.2 |
| W233370 | | 0.89 | <0.01 | <0.01 | 0.16 | 0.8 | 30 | 0.20 | 0.02 | 35.3 | <0.02 | 1.29 | 0.5 | 2 | 0.05 | 1.1 |
| W233371 | | 3.28 | 0.01 | 0.01 | 5.54 | 131.5 | 1660 | 1.82 | 0.15 | 0.14 | <0.02 | 99.3 | 7.6 | 68 | 5.86 | 6.3 |
| W233372 | | 0.50 | 0.05 | 0.02 | 4.58 | 111.5 | 1340 | 1.46 | 0.12 | 0.61 | 0.07 | 64.3 | 5.2 | 66 | 3.43 | 4.7 |
| W233373 | | 2.76 | 0.01 | 0.04 | 2.24 | 79.8 | 650 | 0.62 | 0.13 | 0.43 | 0.04 | 67.6 | 5.4 | 54 | 2.41 | 17.7 |
| W233374 | | 0.24 | 3.37 | 7.64 | 7.68 | 1850 | 240 | 1.41 | 0.54 | 3.03 | 1.22 | 40.0 | 20.9 | 15 | 7.74 | 181.0 |
| W233375 | | 3.87 | <0.01 | 0.01 | 5.84 | 65.4 | 1890 | 1.93 | 0.09 | 1.40 | <0.02 | 103.5 | 5.1 | 75 | 4.81 | 16.9 |
| W233376 | | 1.30 | <0.01 | 0.03 | 2.74 | 196.5 | 900 | 0.94 | 0.07 | 2.31 | 0.06 | 81.4 | 7.3 | 47 | 2.21 | 18.2 |
| W233377 | | 1.22 | 0.38 | 0.05 | 4.63 | 1900 | 1560 | 1.56 | 1.01 | 2.52 | 0.07 | 69.2 | 32.9 | 47 | 3.71 | 19.8 |
| W233378 | | 3.92 | 0.01 | 0.02 | 6.37 | 105.0 | 2030 | 2.07 | 0.29 | 1.10 | <0.02 | 95.3 | 7.7 | 60 | 6.15 | 22.1 |
| W233379 | | 1.55 | 0.01 | 0.04 | 3.52 | 112.0 | 990 | 1.13 | 0.30 | 0.72 | 0.05 | 89.0 | 5.8 | 52 | 2.80 | 14.4 |
| W233380 | | 1.56 | 0.01 | 0.02 | 3.22 | 203 | 940 | 1.10 | 0.23 | 1.05 | 0.02 | 105.0 | 10.1 | 61 | 2.59 | 80.1 |
| W233381 | | 3.65 | <0.01 | 0.02 | 5.47 | 145.5 | 1710 | 1.75 | 0.28 | 1.31 | <0.02 | 104.5 | 7.9 | 54 | 4.01 | 13.8 |
| W233382 | | 1.88 | <0.01 | 0.07 | 6.62 | 171.0 | 2100 | 2.28 | 0.26 | 1.87 | 0.07 | 66.2 | 13.5 | 62 | 4.87 | 60.9 |
| W233383 | | 7.89 | <0.01 | 0.11 | 2.64 | 100.0 | 750 | 0.88 | 0.26 | 1.95 | 0.06 | 69.6 | 6.5 | 44 | 2.00 | 19.2 |
| W233384 | | 0.14 | 1.24 | 62.2 | 7.06 | 30.9 | 4370 | 0.92 | 0.13 | 1.88 | 14.75 | 25.6 | 5.0 | 18 | 0.41 | 213 |
| W233385 | | 1.39 | 0.02 | 0.05 | 0.87 | 80.5 | 230 | 0.29 | 0.39 | 1.85 | 0.04 | 43.6 | 5.7 | 36 | 1.05 | 10.5 |
| W233386 | | 2.60 | <0.01 | 0.05 | 0.90 | 28.7 | 240 | 0.31 | 0.13 | 1.13 | 0.02 | 50.7 | 3.0 | 97 | 0.64 | 54.7 |
| W233387 | | 0.57 | <0.01 | 0.03 | 0.56 | 27.4 | 140 | 0.20 | 0.10 | 0.86 | 0.03 | 27.9 | 3.6 | 42 | 0.38 | 6.0 |
| W233388 | | 1.79 | <0.01 | 0.03 | 1.00 | 46.4 | 280 | 0.34 | 0.24 | 0.67 | <0.02 | 41.1 | 7.4 | 39 | 0.66 | 67.9 |
| W233389 | | <0.02 | <0.01 | 0.03 | 0.99 | 45.6 | 270 | 0.32 | 0.22 | 0.65 | 0.02 | 41.9 | 7.4 | 40 | 0.66 | 83.8 |
| W233390 | | 0.94 | 0.04 | 0.03 | 2.67 | 77.1 | 690 | 0.85 | 0.14 | 0.93 | 0.03 | 48.5 | 10.1 | 42 | 1.90 | 19.6 |
| W233391 | | 2.97 | 0.01 | 0.01 | 5.19 | 83.3 | 1390 | 1.80 | 0.31 | 0.10 | <0.02 | 88.1 | 9.5 | 65 | 6.33 | 12.8 |
| W233392 | | 2.62 | 0.01 | 0.02 | 5.59 | 89.3 | 1500 | 1.92 | 0.29 | 0.11 | 0.02 | 105.0 | 10.1 | 61 | 6.50 | 13.2 |
| W233393 | | 6.46 | 0.01 | 0.10 | 4.25 | 143.5 | 1160 | 1.49 | 0.33 | 0.39 | 0.02 | 72.8 | 13.9 | 55 | 4.59 | 17.0 |
| W233394 | | 2.20 | 0.01 | 0.03 | 6.02 | 92.3 | 1670 | 2.16 | 0.19 | 0.22 | <0.02 | 112.5 | 9.9 | 71 | 5.54 | 5.6 |
| W233395 | | 4.75 | 0.01 | 0.04 | 3.97 | 161.5 | 1070 | 1.43 | 0.62 | 0.45 | 0.04 | 68.8 | 17.6 | 55 | 5.33 | 16.7 |
| W233396 | | 2.52 | <0.01 | 0.03 | 2.77 | 91.6 | 750 | 0.96 | 0.19 | 0.63 | 0.03 | 54.3 | 7.7 | 47 | 2.40 | 9.0 |
| W233397 | | 0.78 | <0.01 | 0.02 | 0.79 | 55.4 | 210 | 0.26 | 0.19 | 0.78 | 0.03 | 28.8 | 5.4 | 33 | 0.78 | 3.6 |
| W233398 | | 2.31 | 0.03 | 0.05 | 4.00 | 118.0 | 1130 | 1.32 | 0.31 | 0.97 | 0.02 | 64.2 | 11.9 | 47 | 3.37 | 7.8 |
| W233399 | | 2.55 | 0.02 | 0.06 | 1.56 | 77.2 | 400 | 0.58 | 0.25 | 1.66 | 0.04 | 50.8 | 7.1 | 47 | 1.09 | 9.0 |
| W233400 | | 5.21 | 0.01 | 0.14 | 7.34 | 149.5 | 2150 | 2.30 | 0.56 | 0.26 | <0.02 | 102.5 | 24.3 | 72 | 8.32 | 123.0 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213729

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233361 | | 2.22 | 1.56 | <0.05 | 0.5 | 0.007 | 0.25 | 9.6 | 1.3 | 1.06 | 1270 | 0.96 | 0.01 | 3.9 | 6.7 | 420 |
| W233362 | | 2.76 | 12.00 | 0.11 | 1.1 | 0.044 | 2.00 | 42.7 | 6.7 | 0.70 | 820 | 0.44 | 0.04 | 12.6 | 34.0 | 320 |
| W233363 | | 2.51 | 6.24 | 0.06 | 0.5 | 0.027 | 1.05 | 26.4 | 3.4 | 0.49 | 1010 | 0.48 | 0.02 | 7.1 | 24.5 | 310 |
| W233364 | | 3.51 | 14.75 | 0.14 | 0.9 | 0.048 | 2.70 | 49.6 | 12.2 | 0.84 | 722 | 0.31 | 0.05 | 18.5 | 26.6 | 270 |
| W233365 | | 4.35 | 16.55 | 0.12 | 1.5 | 0.057 | 2.69 | 46.5 | 10.7 | 0.95 | 1340 | 0.47 | 0.05 | 19.5 | 28.8 | 600 |
| W233366 | | 3.27 | 17.15 | 0.13 | 1.3 | 0.070 | 2.80 | 45.0 | 10.6 | 0.66 | 727 | 0.31 | 0.05 | 20.7 | 21.7 | 400 |
| W233367 | | 2.44 | 3.77 | 0.07 | 0.4 | 0.009 | 0.50 | 26.5 | 5.9 | 0.30 | 240 | 0.37 | 0.01 | 6.4 | 19.3 | 430 |
| W233368 | | 3.39 | 13.70 | 0.12 | 0.9 | 0.042 | 2.28 | 53.3 | 12.9 | 0.64 | 350 | 0.29 | 0.04 | 21.3 | 23.9 | 160 |
| W233369 | | 2.35 | 7.80 | 0.08 | 0.6 | 0.031 | 1.23 | 33.5 | 6.1 | 0.44 | 577 | 0.26 | 0.03 | 11.5 | 21.0 | 130 |
| W233370 | | 0.10 | 0.62 | 0.05 | <0.1 | 0.006 | 0.02 | 1.3 | 2.2 | 1.50 | 96 | 0.06 | 0.06 | 0.2 | 0.5 | 60 |
| W233371 | | 2.72 | 15.05 | 0.15 | 1.1 | 0.055 | 2.55 | 47.4 | 9.2 | 0.47 | 348 | 0.31 | 0.05 | 22.1 | 21.3 | 280 |
| W233372 | | 1.72 | 12.25 | 0.12 | 1.3 | 0.037 | 2.05 | 31.4 | 5.5 | 0.44 | 504 | 0.22 | 0.05 | 19.6 | 12.6 | 170 |
| W233373 | | 1.70 | 6.14 | 0.12 | 0.6 | 0.022 | 0.99 | 31.0 | 4.1 | 0.32 | 324 | 0.32 | 0.02 | 8.8 | 15.8 | 550 |
| W233374 | | 6.14 | 16.05 | 0.13 | 1.5 | 0.063 | 2.85 | 20.3 | 31.1 | 1.05 | 1360 | 3.11 | 0.33 | 5.9 | 12.1 | 1870 |
| W233375 | | 2.40 | 16.10 | 0.13 | 0.9 | 0.045 | 2.72 | 50.2 | 7.3 | 0.75 | 889 | 0.23 | 0.06 | 19.9 | 9.8 | 240 |
| W233376 | | 2.45 | 7.82 | 0.18 | 0.4 | 0.030 | 1.26 | 38.8 | 3.9 | 0.86 | 1030 | 0.27 | 0.03 | 9.4 | 14.0 | 230 |
| W233377 | | 3.18 | 13.05 | 0.19 | 0.5 | 0.052 | 2.19 | 32.9 | 6.5 | 0.99 | 1150 | 0.24 | 0.05 | 11.8 | 49.4 | 210 |
| W233378 | | 3.39 | 17.80 | 0.25 | 1.0 | 0.059 | 2.99 | 46.0 | 11.0 | 0.88 | 754 | 0.25 | 0.06 | 18.4 | 27.5 | 220 |
| W233379 | | 2.43 | 9.09 | 0.20 | 0.6 | 0.031 | 1.59 | 39.3 | 6.4 | 0.52 | 524 | 0.26 | 0.04 | 10.6 | 16.9 | 690 |
| W233380 | | 2.09 | 9.11 | 0.20 | 0.7 | 0.026 | 1.44 | 50.3 | 5.7 | 0.60 | 642 | 0.34 | 0.04 | 10.2 | 15.5 | 160 |
| W233381 | | 1.89 | 15.10 | 0.24 | 1.2 | 0.050 | 2.57 | 47.4 | 7.6 | 0.64 | 675 | 0.27 | 0.06 | 10.9 | 17.8 | 570 |
| W233382 | | 3.49 | 18.10 | 0.23 | 1.1 | 0.065 | 3.14 | 32.6 | 8.9 | 1.07 | 1310 | 0.65 | 0.07 | 10.2 | 47.6 | 280 |
| W233383 | | 2.17 | 6.93 | 0.19 | 0.5 | 0.026 | 1.22 | 31.3 | 4.2 | 0.75 | 978 | 0.32 | 0.03 | 6.2 | 15.1 | 570 |
| W233384 | | 2.50 | 13.90 | 0.22 | 1.9 | 0.036 | 1.44 | 13.6 | 2.2 | 0.56 | 716 | 6.86 | 3.23 | 5.5 | 8.2 | 490 |
| W233385 | | 2.00 | 2.50 | 0.15 | 0.3 | 0.010 | 0.39 | 21.6 | 2.5 | 0.73 | 945 | 0.41 | 0.01 | 3.8 | 14.6 | 250 |
| W233386 | | 1.19 | 2.65 | 0.15 | 0.4 | 0.009 | 0.41 | 22.2 | 1.7 | 0.39 | 558 | 0.51 | 0.01 | 3.6 | 8.4 | 440 |
| W233387 | | 0.91 | 1.59 | 0.12 | 0.3 | 0.006 | 0.26 | 12.4 | 1.2 | 0.29 | 410 | 0.38 | 0.01 | 1.7 | 6.8 | 270 |
| W233388 | | 1.03 | 2.71 | 0.11 | 0.6 | 0.009 | 0.45 | 19.2 | 1.7 | 0.28 | 371 | 0.43 | 0.02 | 3.2 | 12.6 | 290 |
| W233389 | | 1.07 | 2.75 | 0.12 | 0.6 | 0.010 | 0.45 | 19.4 | 1.6 | 0.27 | 371 | 0.49 | 0.02 | 3.1 | 13.0 | 290 |
| W233390 | | 1.30 | 7.19 | 0.17 | 0.8 | 0.022 | 1.27 | 23.4 | 3.7 | 0.46 | 446 | 0.51 | 0.03 | 4.4 | 17.6 | 180 |
| W233391 | | 2.16 | 14.00 | 0.22 | 1.4 | 0.040 | 2.53 | 43.1 | 9.1 | 0.51 | 195 | 0.57 | 0.05 | 13.4 | 33.5 | 140 |
| W233392 | | 2.18 | 15.25 | 0.24 | 1.6 | 0.046 | 2.72 | 52.1 | 9.3 | 0.53 | 195 | 0.56 | 0.05 | 13.8 | 34.0 | 160 |
| W233393 | | 2.34 | 11.60 | 0.18 | 1.1 | 0.040 | 2.10 | 35.7 | 7.4 | 0.50 | 439 | 0.56 | 0.04 | 9.9 | 28.8 | 280 |
| W233394 | | 2.00 | 16.15 | 0.26 | 1.7 | 0.053 | 2.93 | 55.5 | 8.9 | 0.50 | 344 | 0.44 | 0.06 | 16.7 | 22.6 | 220 |
| W233395 | | 2.98 | 10.60 | 0.19 | 1.1 | 0.036 | 1.99 | 35.1 | 9.2 | 0.61 | 653 | 0.59 | 0.03 | 10.2 | 51.0 | 140 |
| W233396 | | 1.50 | 7.13 | 0.17 | 0.9 | 0.024 | 1.32 | 25.8 | 4.4 | 0.40 | 532 | 0.44 | 0.03 | 6.8 | 16.3 | 210 |
| W233397 | | 2.29 | 2.28 | 0.11 | 0.4 | 0.029 | 0.37 | 13.1 | 1.9 | 0.46 | 1140 | 0.41 | 0.01 | 1.9 | 10.3 | 220 |
| W233398 | | 2.13 | 10.80 | 0.20 | 1.1 | 0.036 | 1.90 | 30.9 | 7.1 | 0.57 | 731 | 0.46 | 0.04 | 8.2 | 28.1 | 350 |
| W233399 | | 1.83 | 4.38 | 0.16 | 0.6 | 0.014 | 0.72 | 22.7 | 2.8 | 0.58 | 1060 | 0.39 | 0.02 | 4.3 | 12.3 | 460 |
| W233400 | | 3.52 | 19.00 | 0.26 | 1.5 | 0.066 | 3.59 | 48.1 | 12.8 | 0.81 | 747 | 0.38 | 0.07 | 18.4 | 22.1 | 320 |

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

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Project: Rau


**Finalized Date: 27-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213729

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233361 | | 1.3 | 10.0 | <0.002 | 0.25 | 2.80 | 1.2 | <1 | 1.7 | 41.1 | 0.18 | <0.05 | 1.65 | 0.063 | 0.07 | 0.6 |
| W233362 | | 2.9 | 91.8 | <0.002 | 0.14 | 2.53 | 7.1 | <1 | 8.5 | 27.3 | 0.81 | 0.10 | 11.80 | 0.330 | 0.51 | 1.3 |
| W233363 | | 2.4 | 46.2 | <0.002 | 0.18 | 1.23 | 3.6 | <1 | 5.4 | 20.4 | 0.45 | 0.06 | 6.74 | 0.182 | 0.31 | 0.8 |
| W233364 | | 5.0 | 135.5 | <0.002 | 0.07 | 1.36 | 9.0 | <1 | 11.9 | 23.9 | 1.15 | 0.07 | 13.80 | 0.431 | 0.95 | 1.0 |
| W233365 | | 1.9 | 121.0 | <0.002 | 0.09 | 2.74 | 10.2 | <1 | 12.8 | 34.4 | 1.18 | 0.06 | 12.60 | 0.428 | 0.67 | 1.7 |
| W233366 | | 1.5 | 126.0 | 0.002 | 0.07 | 1.38 | 10.5 | <1 | 11.7 | 25.9 | 1.26 | <0.05 | 13.35 | 0.476 | 0.66 | 1.3 |
| W233367 | | 2.0 | 25.9 | <0.002 | 0.27 | 0.97 | 2.0 | <1 | 2.7 | 7.4 | 0.41 | <0.05 | 5.91 | 0.181 | 0.28 | 0.6 |
| W233368 | | 2.2 | 109.0 | <0.002 | 0.14 | 0.77 | 7.5 | <1 | 9.6 | 17.2 | 1.35 | <0.05 | 15.00 | 0.480 | 0.74 | 1.1 |
| W233369 | | 2.9 | 56.5 | <0.002 | 0.14 | 0.77 | 4.2 | <1 | 5.9 | 12.2 | 0.79 | <0.05 | 9.60 | 0.283 | 0.34 | 0.8 |
| W233370 | | 0.5 | 0.7 | <0.002 | <0.01 | 0.27 | 0.2 | <1 | <0.2 | 85.2 | <0.05 | <0.05 | 0.13 | 0.006 | <0.02 | 0.2 |
| W233371 | | 1.5 | 114.5 | <0.002 | 0.08 | 0.73 | 8.4 | <1 | 10.6 | 19.1 | 1.37 | <0.05 | 14.25 | 0.507 | 0.67 | 1.2 |
| W233372 | | 2.5 | 92.5 | <0.002 | 0.02 | 0.66 | 6.9 | <1 | 7.7 | 21.8 | 1.14 | 0.05 | 12.10 | 0.418 | 0.49 | 0.8 |
| W233373 | | 2.0 | 47.0 | <0.002 | 0.13 | 0.70 | 3.5 | <1 | 4.0 | 14.4 | 0.54 | <0.05 | 7.65 | 0.239 | 0.27 | 0.8 |
| W233374 | | 33.0 | 110.0 | <0.002 | 4.09 | 25.9 | 21.0 | 15 | 1.9 | 182.5 | 0.36 | 0.11 | 4.17 | 0.406 | 2.15 | 2.0 |
| W233375 | | 1.4 | 123.0 | <0.002 | 0.05 | 0.76 | 9.6 | <1 | 12.2 | 42.9 | 1.28 | <0.05 | 14.80 | 0.488 | 0.60 | 0.9 |
| W233376 | | 2.2 | 57.2 | <0.002 | 0.15 | 0.41 | 4.9 | 1 | 5.2 | 49.1 | 0.63 | <0.05 | 10.25 | 0.258 | 0.32 | 0.6 |
| W233377 | | 2.5 | 97.3 | <0.002 | 0.31 | 0.91 | 8.2 | 1 | 9.0 | 48.8 | 0.70 | 0.77 | 9.25 | 0.287 | 0.52 | 0.6 |
| W233378 | | 1.6 | 139.0 | 0.003 | 0.32 | 0.68 | 10.8 | 1 | 10.5 | 36.4 | 1.09 | <0.05 | 15.35 | 0.433 | 0.77 | 1.3 |
| W233379 | | 2.4 | 68.6 | <0.002 | 0.17 | 0.78 | 5.3 | <1 | 5.5 | 21.6 | 0.70 | <0.05 | 12.40 | 0.319 | 0.39 | 0.7 |
| W233380 | | 1.8 | 65.2 | <0.002 | 0.15 | 0.64 | 5.5 | 1 | 13.8 | 26.1 | 0.64 | <0.05 | 11.80 | 0.278 | 0.36 | 0.7 |
| W233381 | | 1.7 | 114.5 | <0.002 | 0.14 | 0.62 | 9.3 | 1 | 10.8 | 38.7 | 0.67 | <0.05 | 14.45 | 0.297 | 0.55 | 1.1 |
| W233382 | | 2.7 | 138.0 | <0.002 | 0.30 | 2.38 | 12.3 | 1 | 13.2 | 44.7 | 0.57 | <0.05 | 13.25 | 0.283 | 0.66 | 1.3 |
| W233383 | | 2.1 | 54.9 | <0.002 | 0.11 | 0.64 | 4.4 | 1 | 5.4 | 47.6 | 0.44 | <0.05 | 8.17 | 0.197 | 0.28 | 0.6 |
| W233384 | | 1430 | 29.3 | 0.009 | 0.51 | 106.5 | 6.9 | 3 | 1.8 | 210 | 0.37 | 0.05 | 2.76 | 0.197 | 0.32 | 1.6 |
| W233385 | | 1.7 | 19.3 | <0.002 | 0.13 | 0.49 | 1.6 | 1 | 1.9 | 29.6 | 0.24 | <0.05 | 5.17 | 0.121 | 0.14 | 0.5 |
| W233386 | | 1.5 | 19.5 | <0.002 | 0.03 | 0.34 | 1.7 | <1 | 8.0 | 24.7 | 0.23 | <0.05 | 5.16 | 0.122 | 0.11 | 0.6 |
| W233387 | | 1.8 | 11.8 | <0.002 | 0.04 | 0.25 | 0.9 | 1 | 1.4 | 19.4 | 0.09 | <0.05 | 2.66 | 0.058 | 0.07 | 0.4 |
| W233388 | | 2.1 | 21.3 | <0.002 | 0.07 | 0.39 | 1.7 | 1 | 9.0 | 15.6 | 0.19 | <0.05 | 4.05 | 0.109 | 0.12 | 0.6 |
| W233389 | | 1.7 | 21.1 | <0.002 | 0.08 | 0.38 | 1.7 | 1 | 11.0 | 15.7 | 0.19 | <0.05 | 4.01 | 0.106 | 0.12 | 0.6 |
| W233390 | | 2.5 | 56.9 | 0.002 | 0.11 | 0.39 | 4.3 | 1 | 5.4 | 23.8 | 0.27 | <0.05 | 6.05 | 0.125 | 0.28 | 0.8 |
| W233391 | | 1.5 | 126.0 | <0.002 | 0.17 | 0.72 | 8.6 | 1 | 8.1 | 19.0 | 0.82 | <0.05 | 14.90 | 0.330 | 0.74 | 1.6 |
| W233392 | | 1.5 | 136.5 | <0.002 | 0.17 | 0.68 | 9.1 | 1 | 8.6 | 20.6 | 0.90 | <0.05 | 15.95 | 0.353 | 0.76 | 1.7 |
| W233393 | | 2.0 | 98.8 | 0.002 | 0.19 | 0.74 | 6.8 | 1 | 6.2 | 20.5 | 0.60 | <0.05 | 9.87 | 0.252 | 0.58 | 1.4 |
| W233394 | | 1.4 | 133.0 | <0.002 | 0.07 | 0.86 | 9.7 | 1 | 8.6 | 23.0 | 1.01 | <0.05 | 15.15 | 0.393 | 0.68 | 1.7 |
| W233395 | | 1.7 | 95.2 | 0.002 | 0.25 | 0.79 | 6.4 | 1 | 7.2 | 19.9 | 0.64 | <0.05 | 10.65 | 0.268 | 0.59 | 1.5 |
| W233396 | | 1.5 | 58.0 | <0.002 | 0.09 | 0.47 | 4.3 | <1 | 4.8 | 20.8 | 0.43 | <0.05 | 7.46 | 0.190 | 0.30 | 1.0 |
| W233397 | | 1.5 | 18.2 | <0.002 | 0.10 | 0.47 | 1.5 | 1 | 1.8 | 19.2 | 0.11 | <0.05 | 2.60 | 0.053 | 0.10 | 0.4 |
| W233398 | | 1.7 | 86.3 | <0.002 | 0.11 | 0.58 | 6.2 | <1 | 6.8 | 31.9 | 0.53 | 0.05 | 9.29 | 0.217 | 0.45 | 1.2 |
| W233399 | | 2.6 | 29.7 | <0.002 | 0.14 | 0.90 | 2.7 | 1 | 4.5 | 47.3 | 0.29 | <0.05 | 6.36 | 0.129 | 0.17 | 0.7 |
| W233400 | | 2.4 | 157.5 | <0.002 | 0.16 | 0.83 | 11.7 | 1 | 28.6 | 30.8 | 1.11 | <0.05 | 16.95 | 0.466 | 0.94 | 1.5 |

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

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


**Finalized Date: 27-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213729

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233361 | | 17 | 5.0 | 2.8 | 13 | 19.4 |
| W233362 | | 56 | 5.3 | 8.4 | 17 | 44.6 |
| W233363 | | 32 | 2.0 | 5.5 | 17 | 22.9 |
| W233364 | | 67 | 4.0 | 7.7 | 24 | 36.5 |
| W233365 | | 86 | 5.2 | 8.8 | 27 | 63.6 |
| W233366 | | 90 | 4.3 | 9.3 | 19 | 52.7 |
| W233367 | | 20 | 1.3 | 5.0 | 15 | 14.6 |
| W233368 | | 59 | 3.8 | 7.3 | 21 | 36.0 |
| W233369 | | 33 | 3.4 | 6.0 | 18 | 21.4 |
| W233370 | | 1 | 1.6 | 2.0 | 3 | 1.7 |
| W233371 | | 67 | 4.2 | 8.5 | 14 | 44.4 |
| W233372 | | 60 | 3.5 | 7.8 | 16 | 33.8 |
| W233373 | | 29 | 1.9 | 6.4 | 12 | 21.4 |
| W233374 | | 203 | 2.3 | 15.3 | 146 | 61.1 |
| W233375 | | 75 | 3.9 | 9.4 | 13 | 36.8 |
| W233376 | | 34 | 2.1 | 6.4 | 16 | 12.8 |
| W233377 | | 55 | 3.0 | 5.7 | 16 | 16.2 |
| W233378 | | 76 | 3.8 | 8.5 | 15 | 35.2 |
| W233379 | | 47 | 3.3 | 7.5 | 17 | 19.6 |
| W233380 | | 44 | 2.2 | 7.9 | 12 | 22.5 |
| W233381 | | 70 | 3.6 | 9.5 | 11 | 43.9 |
| W233382 | | 79 | 3.9 | 8.1 | 19 | 43.8 |
| W233383 | | 36 | 1.9 | 7.2 | 14 | 18.9 |
| W233384 | | 52 | 13.7 | 15.9 | 2750 | 58.4 |
| W233385 | | 15 | 1.0 | 4.6 | 13 | 10.4 |
| W233386 | | 16 | 1.2 | 5.1 | 7 | 18.0 |
| W233387 | | 9 | 0.5 | 3.1 | 6 | 11.4 |
| W233388 | | 16 | 1.0 | 4.2 | 9 | 21.1 |
| W233389 | | 16 | 0.9 | 4.2 | 8 | 21.2 |
| W233390 | | 34 | 1.3 | 4.1 | 8 | 27.0 |
| W233391 | | 64 | 3.1 | 9.3 | 13 | 47.9 |
| W233392 | | 70 | 3.3 | 9.6 | 13 | 53.5 |
| W233393 | | 55 | 2.8 | 7.0 | 14 | 54.3 |
| W233394 | | 76 | 3.8 | 10.0 | 14 | 60.0 |
| W233395 | | 50 | 2.4 | 6.8 | 21 | 40.9 |
| W233396 | | 36 | 1.6 | 5.1 | 14 | 29.8 |
| W233397 | | 11 | 0.7 | 3.7 | 13 | 11.9 |
| W233398 | | 47 | 2.3 | 7.2 | 15 | 42.8 |
| W233399 | | 23 | 1.6 | 4.8 | 11 | 22.3 |
| W233400 | | 96 | 5.7 | 10.1 | 36 | 52.4 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 27-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213729

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | |
|---|---|---|---|
| Au-AA26 | ME-MS61 | | |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20204475

Project: Rau

P.O. No.: R20-D19

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 14-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 10-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204475

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613481 | | 5.19 | 0.01 | 0.03 | 6.63 | 40.2 | 2260 | 2.13 | 0.62 | 2.07 | 0.06 | 115.5 | 9.1 | 57 | 4.37 | 11.7 |
| R613482 | | 1.26 | 0.01 | 0.05 | 6.75 | 31.8 | 2420 | 2.17 | 1.55 | 1.39 | 0.03 | 89.7 | 15.0 | 55 | 4.63 | 22.5 |
| R613483 | | 2.05 | 0.01 | 0.02 | 6.62 | 30.7 | 2360 | 2.07 | 2.27 | 1.61 | 0.03 | 82.8 | 20.7 | 53 | 4.59 | 25.7 |
| R613484 | | 1.49 | <0.01 | 0.04 | 6.31 | 13.3 | 2260 | 1.85 | 0.55 | 1.66 | 0.03 | 64.6 | 10.2 | 49 | 3.90 | 9.2 |
| R613485 | | 2.33 | 0.01 | 0.12 | 7.16 | 57.4 | 1990 | 2.07 | 2.26 | 0.60 | 0.08 | 100.5 | 51.6 | 36 | 3.58 | 52.3 |
| R613486 | | 1.17 | 0.01 | 0.17 | 6.72 | 35.9 | 2100 | 2.11 | 1.35 | 0.80 | 0.05 | 112.0 | 21.9 | 41 | 4.24 | 35.2 |
| R613487 | | 4.03 | 0.01 | 0.05 | 7.12 | 101.0 | 2450 | 2.32 | 2.01 | 1.45 | 0.07 | 119.5 | 27.0 | 54 | 5.43 | 30.4 |
| R613488 | | 3.13 | 0.01 | 0.13 | 6.82 | 33.5 | 2180 | 2.29 | 2.18 | 2.10 | 0.12 | 100.5 | 21.3 | 59 | 5.12 | 36.2 |
| R613489 | | 2.97 | 0.03 | 0.03 | 7.05 | 5.6 | 2370 | 2.19 | 1.28 | 1.82 | 0.13 | 99.8 | 8.6 | 65 | 5.19 | 17.3 |
| R613490 | | 0.16 | 1.35 | 61.6 | 6.90 | 29.8 | 4110 | 0.88 | 0.13 | 1.80 | 14.95 | 26.8 | 4.7 | 17 | 0.41 | 203 |
| R613491 | | 3.10 | <0.01 | 0.10 | 7.03 | 9.3 | 2520 | 2.20 | 1.10 | 2.02 | 0.13 | 97.9 | 7.9 | 64 | 6.32 | 18.8 |
| R613492 | | 0.58 | <0.01 | 0.07 | 5.33 | 8.2 | 1880 | 1.76 | 0.55 | 3.73 | 0.14 | 79.6 | 6.5 | 48 | 4.12 | 15.0 |
| R613493 | | 1.66 | <0.01 | 0.02 | 7.19 | 5.1 | 2590 | 2.24 | 0.56 | 1.97 | 0.09 | 87.8 | 5.3 | 59 | 5.62 | 11.6 |
| R613494 | | 0.54 | <0.01 | 0.05 | 2.94 | 4.8 | 940 | 0.96 | 0.27 | 2.23 | 0.22 | 35.3 | 7.9 | 28 | 1.84 | 28.0 |
| R613495 | | 1.85 | <0.01 | 0.06 | 7.51 | 4.8 | 2590 | 2.24 | 0.52 | 2.72 | 0.09 | 95.6 | 7.1 | 54 | 6.40 | 29.7 |
| R613496 | | 0.52 | <0.01 | <0.01 | 9.79 | 2.2 | 2970 | 2.91 | 0.18 | 1.71 | 0.08 | 156.5 | 6.0 | 65 | 6.76 | 5.7 |
| R613497 | | 0.56 | <0.01 | 0.05 | 8.89 | 1.6 | 2750 | 2.88 | 0.15 | 1.78 | 0.08 | 124.5 | 7.2 | 54 | 6.35 | 9.9 |
| R613498 | | 0.95 | 0.01 | 0.12 | 2.81 | 28.0 | 830 | 0.85 | 0.18 | 4.21 | 0.11 | 51.9 | 8.7 | 26 | 1.78 | 28.2 |
| R613499 | | 0.50 | 0.02 | 1.77 | 0.46 | 146.5 | 110 | 0.20 | 4.56 | 4.54 | 0.11 | 13.10 | 205 | 7 | 0.33 | 1100 |
| R613500 | | 1.87 | <0.01 | 0.01 | 0.05 | <0.2 | 20 | 0.05 | 0.06 | 32.6 | <0.02 | 1.03 | 1.0 | 2 | <0.05 | 2.4 |
| R613501 | | 2.21 | <0.01 | 0.17 | 6.66 | 4.7 | 1960 | 1.86 | 2.44 | 1.24 | 0.09 | 100.5 | 6.9 | 39 | 4.97 | 45.5 |
| R613502 | | 1.48 | 0.02 | 0.27 | 5.33 | 47.1 | 140 | 1.41 | 3.28 | 2.85 | 0.10 | 80.6 | 43.8 | 37 | 3.10 | 141.0 |
| R613503 | | 5.86 | <0.01 | 0.02 | 6.93 | 6.8 | 2520 | 1.99 | 0.80 | 2.20 | 0.20 | 108.0 | 5.8 | 58 | 6.18 | 11.2 |
| R613504 | | 2.36 | 0.01 | 0.05 | 6.51 | 38.3 | 2300 | 1.99 | 0.70 | 1.52 | 0.12 | 92.0 | 13.0 | 48 | 5.64 | 37.0 |
| R613505 | | 2.60 | <0.01 | 0.07 | 7.62 | 32.6 | 2310 | 2.22 | 1.65 | 1.03 | 0.08 | 98.3 | 10.4 | 57 | 5.64 | 19.0 |
| R613506 | | 1.17 | <0.01 | 0.13 | 5.59 | 9.6 | 1070 | 1.62 | 1.43 | 1.60 | 0.07 | 73.0 | 10.8 | 49 | 2.58 | 33.1 |
| R613507 | | 3.98 | 0.01 | 0.44 | 5.53 | 20.4 | 1730 | 1.69 | 1.56 | 2.85 | 0.07 | 78.6 | 12.2 | 50 | 3.83 | 34.6 |
| R613508 | | 2.67 | <0.01 | 0.54 | 6.34 | 6.1 | 1230 | 1.96 | 1.67 | 1.43 | 0.10 | 92.9 | 13.9 | 46 | 4.00 | 38.7 |
| R613509 | | 5.00 | 0.02 | 6.91 | 6.23 | 16.4 | 1010 | 1.95 | 3.14 | 2.52 | 0.15 | 89.7 | 19.9 | 52 | 4.30 | 76.6 |
| R613510 | | 1.81 | <0.01 | 0.05 | 6.54 | 4.3 | 1950 | 1.95 | 0.87 | 1.83 | 0.09 | 97.0 | 14.1 | 52 | 4.29 | 39.7 |
| R613511 | | 1.49 | 0.02 | 0.41 | 6.96 | 11.6 | 260 | 1.85 | 3.35 | 1.88 | 0.09 | 90.0 | 22.7 | 41 | 3.95 | 88.3 |
| R613512 | | 0.39 | 0.02 | 0.33 | 7.76 | 154.5 | 3010 | 2.50 | 1.80 | 0.41 | 0.05 | 119.0 | 10.4 | 59 | 5.69 | 17.3 |
| R613513 | | 4.23 | <0.01 | 0.03 | 7.39 | 171.5 | 2150 | 2.12 | 0.50 | 0.60 | 0.05 | 98.1 | 16.3 | 49 | 7.68 | 9.9 |
| R613514 | | 3.43 | 0.01 | 0.05 | 6.82 | 284 | 1650 | 1.66 | 1.08 | 0.89 | 0.04 | 81.1 | 23.1 | 47 | 8.88 | 31.5 |
| R613515 | | <0.02 | 0.01 | 0.08 | 6.75 | 269 | 1630 | 1.74 | 1.08 | 0.80 | 0.05 | 80.8 | 21.7 | 47 | 8.73 | 31.5 |
| R613516 | | 4.14 | <0.01 | <0.01 | 7.06 | 159.5 | 2330 | 2.35 | 0.37 | 0.82 | 0.07 | 93.3 | 14.9 | 52 | 8.12 | 9.9 |
| R613517 | | 5.42 | 0.02 | 0.05 | 8.12 | 270 | 2790 | 2.77 | 1.52 | 0.55 | 0.03 | 104.0 | 16.1 | 66 | 7.57 | 27.1 |
| R613518 | | 1.34 | 0.03 | 0.07 | 7.50 | 357 | 2630 | 2.65 | 1.23 | 3.01 | 0.08 | 99.3 | 24.3 | 63 | 5.00 | 34.4 |
| R613519 | | 0.16 | 0.62 | 1.46 | 7.25 | 25.4 | 860 | 0.98 | 0.19 | 1.86 | 1.09 | 24.0 | 4.7 | 14 | 0.32 | 44.6 |
| R613520 | | 2.24 | 0.01 | 0.04 | 7.79 | 344 | 2480 | 2.45 | 2.84 | 2.63 | 0.06 | 96.0 | 17.9 | 59 | 4.85 | 34.3 |

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

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**Finalized Date: 10-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204475

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613481 | | 4.89 | 18.35 | 0.18 | 2.2 | 0.089 | 2.79 | 62.0 | 15.2 | 1.98 | 929 | 0.58 | 0.19 | 43.7 | 20.4 | 1660 |
| R613482 | | 4.71 | 18.05 | 0.14 | 2.4 | 0.087 | 2.97 | 49.3 | 11.7 | 1.69 | 732 | 1.30 | 0.20 | 41.3 | 38.6 | 1630 |
| R613483 | | 5.14 | 17.70 | 0.15 | 2.3 | 0.085 | 2.88 | 46.1 | 11.9 | 1.88 | 886 | 1.29 | 0.20 | 40.9 | 33.0 | 1540 |
| R613484 | | 5.12 | 16.65 | 0.16 | 2.1 | 0.089 | 2.58 | 34.3 | 12.0 | 1.79 | 918 | 0.64 | 0.19 | 43.4 | 17.1 | 1450 |
| R613485 | | 9.59 | 19.90 | 0.17 | 1.7 | 0.127 | 2.48 | 53.3 | 19.3 | 2.78 | 1410 | 0.54 | 0.20 | 61.4 | 41.9 | 1740 |
| R613486 | | 7.56 | 18.75 | 0.14 | 2.4 | 0.116 | 2.59 | 59.2 | 14.1 | 2.10 | 1030 | 0.93 | 0.17 | 59.9 | 43.8 | 1510 |
| R613487 | | 5.14 | 20.2 | 0.18 | 3.8 | 0.117 | 3.00 | 62.7 | 17.2 | 1.84 | 781 | 2.26 | 0.16 | 58.9 | 56.5 | 2030 |
| R613488 | | 5.81 | 18.60 | 0.17 | 3.1 | 0.106 | 2.87 | 53.6 | 18.0 | 2.12 | 1060 | 2.00 | 0.13 | 44.5 | 51.1 | 1720 |
| R613489 | | 4.67 | 19.10 | 0.21 | 2.9 | 0.095 | 2.87 | 53.2 | 17.8 | 1.86 | 925 | 1.59 | 0.19 | 42.8 | 34.4 | 1510 |
| R613490 | | 2.45 | 13.80 | 0.15 | 2.0 | 0.037 | 1.45 | 14.8 | 2.6 | 0.54 | 685 | 7.09 | 3.16 | 5.8 | 8.3 | 480 |
| R613491 | | 4.59 | 19.40 | 0.20 | 2.9 | 0.109 | 3.13 | 51.9 | 18.0 | 1.99 | 1000 | 1.52 | 0.18 | 39.3 | 25.2 | 1560 |
| R613492 | | 3.77 | 15.70 | 0.19 | 2.2 | 0.085 | 2.38 | 42.2 | 12.8 | 1.92 | 1360 | 0.68 | 0.12 | 30.8 | 20.6 | 920 |
| R613493 | | 3.71 | 19.75 | 0.18 | 3.4 | 0.110 | 3.31 | 47.0 | 16.5 | 1.65 | 923 | 0.77 | 0.14 | 39.1 | 17.4 | 1260 |
| R613494 | | 3.63 | 7.57 | 0.08 | 0.6 | 0.061 | 1.18 | 19.0 | 8.6 | 1.28 | 955 | 0.72 | 0.08 | 13.6 | 23.4 | 690 |
| R613495 | | 5.58 | 20.7 | 0.18 | 1.8 | 0.120 | 3.39 | 50.8 | 23.2 | 2.51 | 1320 | 0.64 | 0.21 | 37.7 | 14.8 | 1380 |
| R613496 | | 7.56 | 26.0 | 0.28 | 3.8 | 0.145 | 3.89 | 81.1 | 37.8 | 2.90 | 1140 | 0.78 | 0.27 | 74.4 | 14.4 | 1950 |
| R613497 | | 6.55 | 25.7 | 0.23 | 2.2 | 0.143 | 3.56 | 65.9 | 34.4 | 2.48 | 1100 | 0.82 | 0.20 | 63.1 | 15.9 | 1860 |
| R613498 | | 4.24 | 8.08 | 0.11 | 0.8 | 0.085 | 1.04 | 27.7 | 11.2 | 2.22 | 1500 | 0.47 | 0.06 | 27.3 | 13.0 | 600 |
| R613499 | | 27.3 | 1.42 | 0.13 | 0.2 | 0.123 | 0.16 | 6.9 | 2.0 | 1.97 | 1900 | 0.53 | 0.02 | 2.6 | 392 | 280 |
| R613500 | | 0.18 | 0.18 | <0.05 | <0.1 | <0.005 | 0.01 | 1.1 | 0.9 | 1.14 | 96 | 0.06 | 0.02 | 0.1 | 0.9 | 60 |
| R613501 | | 7.34 | 18.75 | 0.10 | 1.5 | 0.140 | 2.48 | 53.0 | 26.8 | 2.45 | 1110 | 0.40 | 0.11 | 56.4 | 12.2 | 1380 |
| R613502 | | 10.95 | 13.75 | 0.09 | 1.2 | 0.112 | 1.78 | 40.6 | 22.2 | 2.66 | 1580 | 0.92 | 0.08 | 35.6 | 88.8 | 1330 |
| R613503 | | 4.98 | 18.90 | 0.11 | 2.7 | 0.100 | 3.06 | 57.7 | 20.7 | 2.23 | 1080 | 1.06 | 0.15 | 47.5 | 28.6 | 1810 |
| R613504 | | 4.99 | 18.30 | 0.16 | 2.5 | 0.098 | 2.82 | 50.4 | 17.9 | 1.88 | 848 | 1.62 | 0.18 | 46.2 | 23.6 | 1340 |
| R613505 | | 7.15 | 21.0 | 0.16 | 2.0 | 0.135 | 2.88 | 52.6 | 25.1 | 2.45 | 812 | 2.02 | 0.15 | 55.7 | 25.2 | 1570 |
| R613506 | | 6.83 | 15.70 | 0.12 | 0.9 | 0.128 | 1.67 | 38.8 | 25.1 | 1.92 | 1080 | 1.09 | 0.08 | 30.5 | 21.3 | 1060 |
| R613507 | | 4.86 | 15.60 | 0.13 | 2.2 | 0.090 | 2.10 | 42.5 | 12.7 | 1.93 | 989 | 2.68 | 0.11 | 34.1 | 27.8 | 1800 |
| R613508 | | 6.16 | 18.10 | 0.16 | 2.2 | 0.106 | 2.28 | 49.8 | 16.2 | 1.88 | 746 | 1.75 | 0.16 | 50.9 | 31.2 | 1630 |
| R613509 | | 6.48 | 17.95 | 0.12 | 2.6 | 0.097 | 2.16 | 48.3 | 19.2 | 2.29 | 927 | 2.29 | 0.13 | 45.3 | 35.0 | 2120 |
| R613510 | | 5.78 | 18.50 | 0.16 | 2.2 | 0.089 | 2.27 | 51.7 | 23.9 | 2.26 | 731 | 0.92 | 0.12 | 45.3 | 26.7 | 1610 |
| R613511 | | 8.78 | 18.80 | 0.15 | 2.4 | 0.152 | 2.10 | 47.3 | 18.5 | 2.36 | 1120 | 5.14 | 0.13 | 42.2 | 35.5 | 1610 |
| R613512 | | 3.93 | 22.7 | 0.27 | 2.7 | 0.078 | 3.76 | 64.3 | 15.3 | 0.98 | 529 | 1.63 | 0.09 | 49.5 | 21.9 | 1320 |
| R613513 | | 6.87 | 20.3 | 0.22 | 3.8 | 0.090 | 3.36 | 52.2 | 22.9 | 1.67 | 655 | 0.46 | 0.06 | 46.2 | 34.4 | 1980 |
| R613514 | | 10.30 | 18.60 | 0.18 | 1.4 | 0.093 | 2.86 | 43.1 | 29.5 | 2.37 | 1090 | 0.49 | 0.04 | 38.6 | 39.8 | 1660 |
| R613515 | | 10.20 | 18.25 | 0.18 | 1.7 | 0.083 | 2.80 | 43.5 | 29.6 | 2.33 | 1070 | 0.49 | 0.04 | 38.7 | 39.0 | 1650 |
| R613516 | | 5.58 | 20.2 | 0.22 | 3.0 | 0.073 | 3.55 | 50.9 | 20.6 | 1.35 | 979 | 0.84 | 0.07 | 40.4 | 31.6 | 1770 |
| R613517 | | 4.97 | 22.9 | 0.23 | 4.2 | 0.088 | 4.08 | 57.8 | 16.9 | 1.03 | 898 | 1.28 | 0.09 | 37.8 | 37.0 | 2180 |
| R613518 | | 4.70 | 22.3 | 0.21 | 3.8 | 0.085 | 3.82 | 52.1 | 12.0 | 0.70 | 1960 | 2.26 | 0.10 | 36.6 | 43.6 | 2780 |
| R613519 | | 2.45 | 13.80 | 0.20 | 2.0 | 0.050 | 1.52 | 12.7 | 2.5 | 0.59 | 738 | 4.88 | 3.39 | 5.7 | 5.9 | 470 |
| R613520 | | 4.95 | 22.2 | 0.23 | 3.5 | 0.083 | 3.78 | 51.6 | 13.1 | 0.75 | 1480 | 1.75 | 0.10 | 38.9 | 34.2 | 2700 |

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

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204475

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613481 | | 3.1 | 127.5 | 0.002 | 0.20 | 0.81 | 13.1 | <1 | 4.0 | 83.0 | 2.20 | <0.05 | 12.95 | 0.652 | 0.62 | 2.7 |
| R613482 | | 2.4 | 128.5 | 0.005 | 0.64 | 0.79 | 12.9 | <1 | 3.7 | 64.2 | 2.13 | 0.05 | 11.20 | 0.594 | 0.67 | 2.5 |
| R613483 | | 2.4 | 125.5 | 0.004 | 0.64 | 0.75 | 12.6 | 1 | 3.6 | 69.6 | 2.08 | 0.09 | 10.40 | 0.598 | 0.60 | 2.6 |
| R613484 | | 1.9 | 112.0 | <0.002 | 0.22 | 0.60 | 12.4 | <1 | 3.5 | 70.7 | 2.22 | <0.05 | 9.93 | 0.599 | 0.54 | 2.7 |
| R613485 | | 8.3 | 109.5 | 0.006 | 1.35 | 1.47 | 16.8 | 1 | 4.9 | 57.1 | 3.22 | 0.09 | 9.93 | 0.990 | 0.63 | 2.0 |
| R613486 | | 4.0 | 113.0 | 0.006 | 0.98 | 1.24 | 14.5 | 1 | 4.4 | 55.4 | 3.29 | 0.05 | 12.25 | 0.762 | 0.60 | 2.9 |
| R613487 | | 7.1 | 135.5 | 0.010 | 0.84 | 1.17 | 15.0 | 1 | 5.2 | 57.5 | 3.22 | 0.05 | 13.45 | 0.754 | 0.73 | 4.1 |
| R613488 | | 6.9 | 123.5 | 0.007 | 1.03 | 1.14 | 14.6 | 2 | 4.6 | 64.7 | 2.41 | 0.06 | 12.20 | 0.746 | 0.65 | 3.5 |
| R613489 | | 6.8 | 123.5 | 0.006 | 0.47 | 0.93 | 15.3 | <1 | 4.8 | 75.4 | 2.29 | <0.05 | 11.85 | 0.746 | 0.62 | 3.1 |
| R613490 | | 1395 | 31.1 | 0.009 | 0.49 | 110.5 | 7.0 | 3 | 1.8 | 207 | 0.39 | 0.05 | 2.89 | 0.190 | 0.36 | 1.8 |
| R613491 | | 5.6 | 141.0 | 0.006 | 0.45 | 1.11 | 15.5 | 2 | 5.7 | 70.3 | 2.08 | <0.05 | 11.90 | 0.713 | 0.77 | 3.0 |
| R613492 | | 4.7 | 107.5 | 0.002 | 0.34 | 1.52 | 12.8 | 1 | 4.6 | 95.6 | 1.63 | <0.05 | 9.43 | 0.552 | 0.53 | 2.7 |
| R613493 | | 4.3 | 140.5 | 0.004 | 0.25 | 0.81 | 15.3 | <1 | 6.8 | 66.3 | 2.12 | <0.05 | 11.10 | 0.734 | 0.72 | 3.2 |
| R613494 | | 8.0 | 50.8 | 0.002 | 0.67 | 0.57 | 6.2 | 1 | 3.7 | 58.4 | 0.69 | <0.05 | 3.72 | 0.274 | 0.25 | 1.1 |
| R613495 | | 6.0 | 153.5 | 0.004 | 0.40 | 0.66 | 18.1 | 1 | 8.7 | 107.0 | 1.98 | <0.05 | 10.55 | 0.806 | 0.81 | 2.1 |
| R613496 | | 4.9 | 167.0 | 0.003 | 0.12 | 0.56 | 22.8 | 1 | 11.1 | 97.3 | 4.01 | <0.05 | 17.35 | 1.310 | 0.84 | 2.8 |
| R613497 | | 5.1 | 158.0 | 0.003 | 0.29 | 0.71 | 21.8 | <1 | 10.1 | 83.3 | 3.28 | <0.05 | 13.30 | 1.055 | 0.71 | 2.2 |
| R613498 | | 5.5 | 45.0 | <0.002 | 0.42 | 0.49 | 8.8 | 1 | 3.3 | 108.0 | 1.46 | <0.05 | 4.76 | 0.369 | 0.22 | 0.9 |
| R613499 | | 4.4 | 7.4 | 0.034 | >10.0 | 0.93 | 3.7 | 11 | 0.8 | 98.6 | 0.13 | 0.10 | 1.14 | 0.033 | 0.07 | 1.0 |
| R613500 | | 0.5 | 0.3 | <0.002 | 0.02 | 0.07 | 0.2 | 2 | <0.2 | 80.3 | <0.05 | <0.05 | 0.07 | <0.005 | <0.02 | 0.4 |
| R613501 | | 10.1 | 114.5 | 0.004 | 1.10 | 1.23 | 16.0 | 1 | 8.5 | 47.9 | 3.06 | <0.05 | 10.75 | 0.770 | 0.62 | 2.2 |
| R613502 | | 7.4 | 79.7 | 0.011 | 4.30 | 1.33 | 10.8 | 2 | 6.0 | 65.3 | 1.89 | 0.08 | 8.35 | 0.514 | 0.41 | 1.9 |
| R613503 | | 5.5 | 138.5 | 0.005 | 0.24 | 1.31 | 13.3 | <1 | 5.8 | 71.9 | 2.45 | <0.05 | 12.70 | 0.689 | 0.73 | 3.0 |
| R613504 | | 4.1 | 128.5 | 0.004 | 0.65 | 1.03 | 13.9 | <1 | 5.0 | 67.5 | 2.48 | <0.05 | 11.15 | 0.638 | 0.68 | 2.7 |
| R613505 | | 4.5 | 131.0 | 0.002 | 0.61 | 1.16 | 17.0 | 1 | 8.1 | 59.9 | 2.92 | <0.05 | 11.25 | 0.876 | 0.70 | 2.2 |
| R613506 | | 4.3 | 78.5 | 0.007 | 1.64 | 1.67 | 13.8 | <1 | 10.5 | 52.6 | 1.53 | <0.05 | 8.69 | 0.531 | 0.39 | 2.2 |
| R613507 | | 4.2 | 93.8 | 0.007 | 0.44 | 1.19 | 12.1 | 1 | 3.9 | 74.6 | 1.75 | 0.07 | 9.27 | 0.531 | 0.52 | 3.5 |
| R613508 | | 4.5 | 99.9 | 0.003 | 1.26 | 1.02 | 13.7 | 1 | 3.8 | 61.7 | 2.52 | 0.05 | 11.00 | 0.665 | 0.54 | 3.0 |
| R613509 | | 6.4 | 99.2 | 0.004 | 1.27 | 1.74 | 13.6 | 1 | 4.3 | 72.6 | 2.38 | 0.07 | 10.40 | 0.625 | 0.55 | 3.5 |
| R613510 | | 4.4 | 102.5 | 0.002 | 0.78 | 1.12 | 13.5 | <1 | 4.4 | 62.5 | 2.42 | <0.05 | 11.55 | 0.646 | 0.53 | 3.3 |
| R613511 | | 6.9 | 94.5 | 0.006 | 2.77 | 3.22 | 15.2 | 1 | 8.3 | 74.7 | 2.22 | 0.10 | 9.97 | 0.750 | 0.91 | 4.3 |
| R613512 | | 2.9 | 155.0 | 0.002 | 0.15 | 0.86 | 18.3 | 2 | 15.6 | 51.8 | 2.69 | 0.05 | 13.40 | 0.740 | 0.89 | 2.8 |
| R613513 | | 1.7 | 156.0 | <0.002 | 0.02 | 0.65 | 17.7 | 1 | 9.9 | 35.0 | 2.54 | <0.05 | 10.35 | 0.875 | 0.96 | 2.6 |
| R613514 | | 1.4 | 143.0 | <0.002 | 0.04 | 0.73 | 16.2 | 1 | 10.0 | 35.9 | 2.01 | 0.05 | 9.06 | 0.764 | 1.16 | 1.8 |
| R613515 | | 1.4 | 143.0 | <0.002 | 0.04 | 0.74 | 15.9 | 2 | 9.9 | 35.9 | 2.04 | 0.08 | 8.94 | 0.754 | 1.17 | 1.7 |
| R613516 | | 1.5 | 164.0 | <0.002 | 0.01 | 0.58 | 17.5 | 1 | 9.4 | 34.8 | 2.18 | <0.05 | 10.60 | 0.804 | 1.02 | 2.9 |
| R613517 | | 2.0 | 174.0 | <0.002 | 0.01 | 0.93 | 18.6 | 2 | 9.5 | 46.1 | 2.19 | 0.08 | 12.45 | 0.814 | 0.93 | 3.9 |
| R613518 | | 2.0 | 138.0 | <0.002 | 0.01 | 1.05 | 18.1 | 3 | 10.1 | 54.0 | 1.95 | 0.07 | 11.05 | 0.758 | 0.68 | 3.9 |
| R613519 | | 125.5 | 29.5 | <0.002 | 0.12 | 16.35 | 7.1 | 1 | 1.1 | 212 | 0.41 | <0.05 | 2.88 | 0.210 | 0.46 | 1.2 |
| R613520 | | 2.2 | 144.0 | <0.002 | 0.07 | 0.94 | 18.6 | 2 | 10.8 | 50.7 | 2.11 | 0.07 | 11.05 | 0.794 | 0.70 | 3.7 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 10-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20204475

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613481 | | 118 | 4.4 | 12.2 | 23 | 93.1 |
| R613482 | | 121 | 5.8 | 10.9 | 16 | 103.0 |
| R613483 | | 117 | 3.5 | 10.6 | 17 | 99.8 |
| R613484 | | 110 | 4.0 | 10.2 | 19 | 87.3 |
| R613485 | | 153 | 6.0 | 11.1 | 22 | 94.3 |
| R613486 | | 119 | 6.1 | 12.7 | 27 | 88.2 |
| R613487 | | 141 | 4.3 | 16.6 | 23 | 161.5 |
| R613488 | | 146 | 4.8 | 13.7 | 31 | 124.0 |
| R613489 | | 147 | 4.2 | 12.5 | 28 | 120.0 |
| R613490 | | 50 | 11.0 | 17.2 | 2540 | 59.5 |
| R613491 | | 149 | 4.2 | 13.9 | 31 | 129.5 |
| R613492 | | 109 | 4.1 | 10.7 | 21 | 85.0 |
| R613493 | | 145 | 4.8 | 12.3 | 21 | 139.5 |
| R613494 | | 53 | 1.7 | 8.1 | 35 | 28.4 |
| R613495 | | 156 | 4.3 | 11.3 | 42 | 71.2 |
| R613496 | | 203 | 5.0 | 17.8 | 45 | 200 |
| R613497 | | 181 | 4.9 | 14.3 | 40 | 91.1 |
| R613498 | | 59 | 1.9 | 11.9 | 25 | 34.9 |
| R613499 | | 10 | 0.9 | 8.1 | 10 | 9.6 |
| R613500 | | 1 | <0.1 | 2.1 | 2 | 1.1 |
| R613501 | | 132 | 4.8 | 10.4 | 46 | 59.1 |
| R613502 | | 99 | 3.7 | 10.6 | 34 | 51.0 |
| R613503 | | 122 | 3.7 | 13.6 | 33 | 111.5 |
| R613504 | | 116 | 3.3 | 11.8 | 23 | 102.5 |
| R613505 | | 141 | 4.2 | 13.8 | 46 | 93.1 |
| R613506 | | 118 | 3.6 | 11.4 | 39 | 40.8 |
| R613507 | | 126 | 4.4 | 11.7 | 25 | 88.7 |
| R613508 | | 122 | 4.5 | 12.6 | 25 | 93.3 |
| R613509 | | 124 | 52.6 | 13.4 | 29 | 104.5 |
| R613510 | | 117 | 1.6 | 12.3 | 31 | 92.5 |
| R613511 | | 150 | 5.6 | 13.0 | 54 | 92.9 |
| R613512 | | 151 | 10.5 | 13.7 | 27 | 108.0 |
| R613513 | | 178 | 5.1 | 18.0 | 58 | 152.5 |
| R613514 | | 154 | 4.4 | 14.7 | 75 | 59.8 |
| R613515 | | 152 | 5.0 | 14.7 | 74 | 73.7 |
| R613516 | | 171 | 5.2 | 17.5 | 45 | 116.5 |
| R613517 | | 219 | 6.0 | 18.7 | 32 | 161.5 |
| R613518 | | 224 | 8.3 | 19.1 | 23 | 150.5 |
| R613519 | | 40 | 10.1 | 16.5 | 215 | 63.6 |
| R613520 | | 224 | 8.6 | 19.7 | 25 | 158.5 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 10-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20204475

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 16-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20208113

Project: Rau

P.O. No.: R20-D20

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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Project: Rau


**Finalized Date: 16-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20208113

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613521 | | 2.28 | 0.02 | 0.08 | 7.91 | 743 | 2590 | 2.73 | 2.52 | 2.57 | 0.04 | 98.8 | 24.4 | 66 | 4.73 | 40.5 |
| R613522 | | 3.49 | 0.67 | 0.15 | 2.18 | 7870 | 720 | 0.79 | 6.00 | 7.78 | 0.19 | 36.2 | 95.2 | 23 | 1.23 | 51.4 |
| R613523 | | 0.16 | 1.28 | 56.2 | 6.68 | 41.0 | 4110 | 0.88 | 0.16 | 1.76 | 14.30 | 24.2 | 4.7 | 16 | 0.36 | 210 |
| R613524 | | 2.33 | 0.02 | 0.07 | 7.58 | 426 | 2380 | 2.46 | 2.78 | 0.95 | <0.02 | 97.6 | 18.1 | 61 | 6.78 | 36.4 |
| R613525 | | 3.15 | 0.02 | 0.10 | 7.38 | 475 | 2350 | 2.42 | 2.24 | 0.79 | <0.02 | 89.5 | 18.6 | 70 | 7.19 | 36.8 |
| R613526 | | 7.00 | 0.01 | 0.07 | 6.28 | 360 | 1880 | 2.10 | 2.03 | 0.68 | 0.03 | 81.7 | 17.2 | 61 | 5.67 | 33.0 |
| R613527 | | 1.20 | 0.01 | 0.16 | 7.43 | 1000 | 2040 | 2.60 | 4.98 | 0.28 | 0.05 | 102.0 | 11.1 | 56 | 4.38 | 50.1 |
| R613528 | | 5.07 | 0.02 | 0.08 | 8.08 | 354 | 2480 | 2.61 | 1.95 | 1.46 | 0.06 | 106.0 | 9.9 | 60 | 5.48 | 21.3 |
| R613529 | | 4.88 | 0.02 | 0.08 | 7.46 | 331 | 2290 | 2.46 | 0.85 | 2.36 | 0.04 | 94.6 | 12.4 | 60 | 5.60 | 11.2 |
| R613530 | | 0.76 | 0.02 | 0.16 | 4.94 | 536 | 1460 | 1.73 | 0.72 | 1.92 | 0.15 | 61.1 | 16.0 | 48 | 5.15 | 11.9 |
| R613531 | | 4.65 | 0.02 | 12.40 | 7.11 | 522 | 2210 | 2.47 | 1.51 | 1.63 | 0.08 | 89.3 | 13.9 | 63 | 6.05 | 39.5 |
| R613532 | | 1.00 | 0.02 | 1.73 | 3.97 | 506 | 1180 | 1.45 | 0.54 | 2.35 | 0.06 | 45.4 | 10.5 | 46 | 2.69 | 15.5 |
| R613533 | | 1.70 | 0.02 | 0.19 | 7.23 | 816 | 2250 | 2.45 | 1.32 | 1.57 | 0.05 | 89.1 | 14.1 | 75 | 6.30 | 12.9 |
| R613534 | | 0.89 | 0.05 | 0.06 | 6.68 | 1630 | 2070 | 2.27 | 0.40 | 1.67 | 0.09 | 82.1 | 23.7 | 74 | 4.21 | 9.6 |
| R613535 | | 4.00 | 0.02 | 0.07 | 6.90 | 773 | 2110 | 2.38 | 0.42 | 2.32 | 0.06 | 84.1 | 12.5 | 73 | 4.26 | 9.7 |
| R613536 | | 5.95 | <0.01 | 0.08 | 6.40 | 540 | 1930 | 2.30 | 0.38 | 2.97 | 0.04 | 83.7 | 9.1 | 69 | 3.86 | 11.2 |
| R613537 | | 2.20 | <0.01 | 0.06 | 7.45 | 521 | 2310 | 2.82 | 0.40 | 2.15 | <0.02 | 84.7 | 7.1 | 77 | 5.00 | 10.3 |
| R613538 | | 0.78 | <0.01 | 0.04 | 6.53 | 322 | 1950 | 2.32 | 0.37 | 3.14 | 0.05 | 86.2 | 4.9 | 63 | 4.23 | 5.1 |
| R613539 | | 0.85 | <0.01 | 0.04 | 6.57 | 369 | 1950 | 2.32 | 0.29 | 3.09 | 0.06 | 85.4 | 5.0 | 64 | 4.19 | 9.3 |
| R613540 | | 4.14 | <0.01 | 0.05 | 6.72 | 314 | 1970 | 2.38 | 0.42 | 3.47 | <0.02 | 94.5 | 6.3 | 66 | 3.94 | 9.6 |
| R613541 | | 2.31 | 0.01 | 0.09 | 6.26 | 296 | 1800 | 2.07 | 0.34 | 1.74 | 0.07 | 84.5 | 7.2 | 70 | 3.63 | 21.3 |
| R613542 | | 1.94 | <0.01 | 0.12 | 7.28 | 692 | 2200 | 2.63 | 0.21 | 1.77 | 0.03 | 99.8 | 12.4 | 78 | 4.56 | 7.6 |
| R613543 | | 2.33 | 0.01 | 0.11 | 6.36 | 1295 | 1940 | 2.21 | 0.53 | 2.04 | 0.11 | 87.9 | 37.8 | 68 | 3.68 | 39.6 |
| R613544 | | 1.41 | 0.02 | 0.62 | 6.85 | 1050 | 2410 | 2.47 | 1.07 | 4.90 | 0.19 | 90.4 | 30.9 | 67 | 4.25 | 41.7 |
| R613545 | | <0.02 | 0.02 | 0.16 | 7.13 | 1095 | 2530 | 2.67 | 1.10 | 5.00 | 0.21 | 93.8 | 31.3 | 71 | 4.42 | 44.0 |
| R613546 | | 4.88 | <0.01 | 0.29 | 6.86 | 471 | 2120 | 2.31 | 2.24 | 2.01 | 0.11 | 108.5 | 21.9 | 53 | 5.02 | 26.6 |
| R613547 | | 2.47 | 0.01 | 0.13 | 6.70 | 354 | 1880 | 1.95 | 0.48 | 2.47 | 0.12 | 92.8 | 26.2 | 49 | 4.31 | 22.9 |
| R613548 | | 2.87 | <0.01 | 0.09 | 7.12 | 246 | 2050 | 2.15 | 0.33 | 1.98 | 0.08 | 84.1 | 21.8 | 50 | 4.10 | 13.5 |
| R613549 | | 1.11 | <0.01 | 0.12 | 7.08 | 204 | 2230 | 2.32 | 0.40 | 1.73 | 0.09 | 105.0 | 30.9 | 54 | 4.50 | 9.5 |
| R613550 | | 1.97 | <0.01 | 0.10 | 7.70 | 209 | 2270 | 2.29 | 0.29 | 1.14 | 0.07 | 76.7 | 19.3 | 52 | 4.79 | 7.8 |
| R613551 | | 0.44 | 0.02 | 0.10 | 6.26 | 556 | 1940 | 1.95 | 0.81 | 0.75 | 0.05 | 74.4 | 12.0 | 49 | 3.86 | 18.5 |
| R613552 | | 1.95 | <0.01 | 0.01 | 0.06 | 1.3 | 30 | 0.06 | 0.02 | 32.9 | <0.02 | 0.97 | 0.8 | 1 | <0.05 | 1.8 |
| R613553 | | 6.43 | <0.01 | 0.20 | 7.13 | 256 | 2200 | 2.02 | 0.50 | 0.57 | 0.02 | 93.4 | 20.9 | 53 | 5.42 | 21.8 |
| R613554 | | 2.79 | <0.01 | 0.30 | 7.07 | 232 | 2090 | 2.05 | 0.63 | 0.45 | <0.02 | 102.0 | 20.7 | 48 | 5.62 | 35.1 |
| R613555 | | 2.77 | 0.01 | 0.21 | 7.14 | 201 | 2230 | 2.16 | 0.88 | 0.46 | <0.02 | 105.5 | 16.5 | 56 | 5.18 | 42.5 |
| R613556 | | 0.47 | <0.01 | 0.07 | 7.65 | 109.5 | 2600 | 2.27 | 0.56 | 0.41 | 0.03 | 114.0 | 9.1 | 70 | 5.40 | 48.6 |
| R613557 | | 8.32 | 0.01 | 0.30 | 7.07 | 202 | 2270 | 2.20 | 3.63 | 0.35 | 0.05 | 104.0 | 17.5 | 59 | 5.59 | 143.0 |
| R613558 | | 1.42 | <0.01 | 0.12 | 5.67 | 110.5 | 1210 | 1.46 | 1.00 | 0.52 | 0.04 | 78.6 | 20.8 | 40 | 3.07 | 82.7 |
| R613559 | | 0.16 | 1.21 | 64.1 | 6.73 | 27.4 | 4240 | 0.88 | 0.12 | 1.78 | 14.20 | 23.9 | 4.9 | 17 | 0.39 | 210 |
| R613560 | | 4.29 | <0.01 | 0.16 | 6.87 | 127.5 | 2090 | 2.03 | 0.77 | 1.04 | 0.05 | 95.7 | 18.5 | 48 | 5.44 | 25.6 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 16-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208113

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613521 | | 6.39 | 22.8 | 0.22 | 3.5 | 0.095 | 3.97 | 53.3 | 12.4 | 0.66 | 1660 | 2.82 | 0.11 | 30.5 | 42.6 | 2810 |
| R613522 | | 10.15 | 6.20 | 0.13 | 1.0 | 0.056 | 1.05 | 20.6 | 3.6 | 2.37 | 3190 | 3.12 | 0.03 | 5.7 | 133.0 | 1840 |
| R613523 | | 2.39 | 13.05 | 0.17 | 1.8 | 0.042 | 1.38 | 12.5 | 2.3 | 0.52 | 690 | 6.30 | 3.12 | 5.3 | 8.1 | 460 |
| R613524 | | 5.86 | 20.9 | 0.22 | 3.6 | 0.090 | 3.76 | 52.3 | 16.9 | 1.30 | 795 | 0.81 | 0.08 | 38.6 | 37.6 | 3000 |
| R613525 | | 6.16 | 20.9 | 0.22 | 3.6 | 0.083 | 3.64 | 49.3 | 16.8 | 1.27 | 718 | 0.77 | 0.08 | 35.6 | 36.8 | 2370 |
| R613526 | | 5.72 | 18.00 | 0.22 | 2.5 | 0.074 | 2.98 | 45.6 | 17.5 | 1.23 | 630 | 1.28 | 0.06 | 22.4 | 40.9 | 1610 |
| R613527 | | 7.36 | 21.3 | 0.23 | 2.5 | 0.080 | 3.27 | 54.8 | 15.2 | 0.81 | 488 | 0.72 | 0.10 | 23.8 | 38.7 | 1950 |
| R613528 | | 4.23 | 23.8 | 0.25 | 3.8 | 0.085 | 3.93 | 58.5 | 16.2 | 1.11 | 818 | 0.70 | 0.09 | 34.2 | 27.7 | 1680 |
| R613529 | | 4.17 | 21.2 | 0.24 | 3.1 | 0.074 | 3.71 | 50.9 | 13.7 | 1.25 | 1100 | 0.65 | 0.09 | 31.0 | 32.4 | 1780 |
| R613530 | | 6.21 | 13.65 | 0.21 | 1.7 | 0.058 | 2.42 | 33.5 | 11.8 | 1.16 | 1200 | 1.04 | 0.06 | 20.8 | 39.9 | 1210 |
| R613531 | | 5.38 | 19.85 | 0.23 | 2.8 | 0.066 | 3.52 | 48.6 | 14.8 | 1.23 | 1000 | 1.01 | 0.08 | 26.8 | 40.8 | 1680 |
| R613532 | | 4.70 | 10.85 | 0.16 | 1.4 | 0.047 | 1.92 | 24.9 | 6.5 | 0.93 | 1190 | 1.27 | 0.05 | 10.9 | 34.2 | 1060 |
| R613533 | | 4.31 | 19.75 | 0.22 | 2.8 | 0.072 | 3.72 | 47.3 | 13.0 | 1.05 | 980 | 1.23 | 0.08 | 19.6 | 38.7 | 1360 |
| R613534 | | 5.31 | 18.70 | 0.22 | 2.5 | 0.061 | 3.27 | 44.0 | 10.8 | 0.82 | 1120 | 2.15 | 0.07 | 14.8 | 55.2 | 1320 |
| R613535 | | 4.14 | 19.75 | 0.24 | 3.0 | 0.069 | 3.41 | 45.8 | 11.3 | 1.04 | 1300 | 1.37 | 0.07 | 18.0 | 32.6 | 1290 |
| R613536 | | 4.10 | 18.95 | 0.22 | 2.6 | 0.064 | 3.10 | 45.9 | 10.9 | 1.17 | 1380 | 1.33 | 0.07 | 17.8 | 30.7 | 1120 |
| R613537 | | 3.23 | 22.6 | 0.25 | 3.0 | 0.082 | 3.85 | 44.1 | 13.8 | 0.89 | 1220 | 1.15 | 0.08 | 25.2 | 28.5 | 1340 |
| R613538 | | 2.99 | 18.90 | 0.26 | 2.7 | 0.067 | 3.27 | 46.5 | 11.4 | 0.95 | 1180 | 0.97 | 0.07 | 23.7 | 23.0 | 1200 |
| R613539 | | 3.22 | 18.70 | 0.23 | 2.6 | 0.066 | 3.30 | 46.1 | 11.2 | 0.96 | 1260 | 0.94 | 0.07 | 22.9 | 22.4 | 1190 |
| R613540 | | 3.65 | 19.30 | 0.27 | 2.6 | 0.057 | 3.31 | 50.8 | 10.3 | 1.09 | 1330 | 0.84 | 0.07 | 25.6 | 25.8 | 1390 |
| R613541 | | 3.29 | 17.75 | 0.24 | 2.3 | 0.070 | 3.03 | 45.8 | 9.5 | 0.66 | 887 | 0.95 | 0.07 | 21.0 | 25.7 | 1100 |
| R613542 | | 4.14 | 21.9 | 0.25 | 3.0 | 0.064 | 3.48 | 54.1 | 11.9 | 0.81 | 1160 | 1.51 | 0.09 | 21.7 | 35.4 | 1700 |
| R613543 | | 6.36 | 18.65 | 0.23 | 2.9 | 0.056 | 3.04 | 47.2 | 9.7 | 0.58 | 1760 | 3.01 | 0.08 | 16.3 | 86.3 | 1810 |
| R613544 | | 6.75 | 21.5 | 0.23 | 4.1 | 0.073 | 3.40 | 50.1 | 10.5 | 0.44 | 2330 | 5.11 | 0.09 | 38.6 | 60.5 | 3390 |
| R613545 | | 7.14 | 21.9 | 0.22 | 4.1 | 0.071 | 3.57 | 51.3 | 10.7 | 0.46 | 2420 | 5.15 | 0.10 | 38.8 | 62.6 | 3550 |
| R613546 | | 6.43 | 20.7 | 0.24 | 2.5 | 0.092 | 3.07 | 59.8 | 13.3 | 1.06 | 1120 | 1.29 | 0.11 | 52.6 | 47.1 | 1750 |
| R613547 | | 8.54 | 18.65 | 0.22 | 1.7 | 0.086 | 2.80 | 49.9 | 13.8 | 1.43 | 1280 | 1.27 | 0.12 | 45.8 | 60.3 | 1760 |
| R613548 | | 7.21 | 20.4 | 0.23 | 2.2 | 0.082 | 3.08 | 45.6 | 11.9 | 1.25 | 956 | 1.19 | 0.14 | 52.7 | 45.2 | 1870 |
| R613549 | | 5.65 | 21.0 | 0.24 | 3.1 | 0.095 | 3.14 | 57.8 | 10.7 | 1.10 | 749 | 1.00 | 0.15 | 62.0 | 49.1 | 2060 |
| R613550 | | 6.43 | 21.6 | 0.24 | 2.6 | 0.097 | 3.26 | 41.9 | 14.2 | 1.40 | 859 | 0.90 | 0.15 | 54.0 | 37.6 | 1790 |
| R613551 | | 6.62 | 18.05 | 0.19 | 2.1 | 0.077 | 2.73 | 41.7 | 11.2 | 0.93 | 739 | 1.13 | 0.12 | 42.9 | 31.1 | 1220 |
| R613552 | | 0.16 | 0.27 | 0.13 | <0.1 | 0.005 | 0.02 | 1.1 | 1.1 | 1.33 | 96 | 0.10 | 0.02 | 0.2 | 1.0 | 70 |
| R613553 | | 6.51 | 19.90 | 0.19 | 3.0 | 0.086 | 3.07 | 50.0 | 14.3 | 1.39 | 711 | 0.71 | 0.13 | 54.1 | 37.2 | 1900 |
| R613554 | | 7.21 | 20.1 | 0.19 | 3.9 | 0.082 | 2.90 | 54.6 | 18.1 | 1.52 | 808 | 0.75 | 0.13 | 57.7 | 37.2 | 1890 |
| R613555 | | 6.35 | 20.4 | 0.22 | 3.2 | 0.078 | 2.91 | 57.1 | 16.7 | 1.38 | 659 | 0.88 | 0.14 | 58.5 | 34.7 | 1710 |
| R613556 | | 5.53 | 23.5 | 0.25 | 3.8 | 0.099 | 3.13 | 61.3 | 18.4 | 1.41 | 620 | 0.82 | 0.17 | 67.1 | 20.0 | 1600 |
| R613557 | | 6.88 | 20.8 | 0.23 | 4.0 | 0.097 | 2.85 | 57.3 | 14.6 | 1.01 | 561 | 5.20 | 0.17 | 52.1 | 31.1 | 1660 |
| R613558 | | 8.05 | 16.60 | 0.20 | 1.8 | 0.071 | 1.41 | 41.6 | 20.9 | 1.84 | 608 | 0.58 | 0.17 | 40.7 | 36.8 | 1750 |
| R613559 | | 2.43 | 13.50 | 0.18 | 1.8 | 0.042 | 1.41 | 12.6 | 2.4 | 0.53 | 696 | 6.39 | 3.21 | 5.5 | 8.0 | 480 |
| R613560 | | 5.38 | 19.80 | 0.24 | 2.6 | 0.087 | 2.48 | 51.4 | 17.7 | 1.38 | 580 | 0.67 | 0.15 | 45.0 | 33.4 | 1750 |

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

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**Finalized Date: 16-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208113

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613521 | | 2.6 | 153.0 | <0.002 | 0.01 | 1.10 | 18.8 | 4 | 10.4 | 55.6 | 1.57 | 0.09 | 11.65 | 0.589 | 0.69 | 4.0 |
| R613522 | | 4.1 | 41.1 | <0.002 | 0.02 | 3.39 | 10.4 | 10 | 2.9 | 137.0 | 0.29 | 2.45 | 3.57 | 0.123 | 0.18 | 2.6 |
| R613523 | | 1330 | 29.2 | 0.008 | 0.46 | 104.5 | 6.5 | 4 | 1.7 | 201 | 0.37 | 0.07 | 2.70 | 0.186 | 0.31 | 1.6 |
| R613524 | | 3.0 | 164.0 | <0.002 | 0.01 | 0.92 | 17.1 | 1 | 10.4 | 48.2 | 2.05 | 0.16 | 10.95 | 0.786 | 0.94 | 3.7 |
| R613525 | | 3.1 | 165.5 | <0.002 | 0.01 | 1.04 | 16.2 | 2 | 10.3 | 45.5 | 1.94 | 0.13 | 10.75 | 0.713 | 0.95 | 4.0 |
| R613526 | | 3.3 | 136.0 | <0.002 | 0.07 | 0.92 | 13.6 | 2 | 9.1 | 58.6 | 1.22 | 0.07 | 9.82 | 0.441 | 0.69 | 3.5 |
| R613527 | | 3.9 | 136.5 | 0.002 | 0.24 | 0.83 | 17.2 | 1 | 11.8 | 93.3 | 1.15 | 0.14 | 11.80 | 0.426 | 0.71 | 10.7 |
| R613528 | | 2.6 | 163.5 | <0.002 | 0.12 | 0.86 | 18.9 | 2 | 13.8 | 67.8 | 1.77 | 0.06 | 12.30 | 0.678 | 0.77 | 4.4 |
| R613529 | | 2.1 | 154.0 | <0.002 | 0.01 | 0.82 | 17.2 | 1 | 10.9 | 52.9 | 1.65 | <0.05 | 10.70 | 0.638 | 0.69 | 2.9 |
| R613530 | | 3.2 | 110.0 | <0.002 | 0.01 | 0.83 | 10.6 | 1 | 7.3 | 38.4 | 1.09 | <0.05 | 7.15 | 0.437 | 0.59 | 1.9 |
| R613531 | | 2.7 | 148.0 | <0.002 | 0.01 | 0.95 | 15.3 | 1 | 11.7 | 44.5 | 1.40 | 0.06 | 10.95 | 0.564 | 0.79 | 2.6 |
| R613532 | | 3.3 | 81.2 | <0.002 | 0.02 | 0.67 | 7.3 | 2 | 7.1 | 40.4 | 0.60 | <0.05 | 5.81 | 0.265 | 0.38 | 1.4 |
| R613533 | | 2.6 | 160.0 | <0.002 | 0.02 | 0.99 | 13.3 | 2 | 11.5 | 50.9 | 1.06 | 0.05 | 12.40 | 0.482 | 0.72 | 2.6 |
| R613534 | | 2.1 | 140.5 | <0.002 | 0.02 | 1.28 | 11.6 | 2 | 10.7 | 38.1 | 0.82 | 0.10 | 10.60 | 0.375 | 0.55 | 2.3 |
| R613535 | | 2.1 | 146.0 | <0.002 | 0.01 | 0.80 | 12.7 | 1 | 12.2 | 44.6 | 0.96 | <0.05 | 11.30 | 0.428 | 0.59 | 2.3 |
| R613536 | | 1.8 | 136.5 | <0.002 | 0.01 | 0.78 | 12.3 | 1 | 13.3 | 47.4 | 0.97 | <0.05 | 11.60 | 0.416 | 0.56 | 2.2 |
| R613537 | | 2.1 | 156.0 | <0.002 | 0.01 | 0.74 | 14.1 | 1 | 15.9 | 40.5 | 1.37 | <0.05 | 12.05 | 0.558 | 0.73 | 2.4 |
| R613538 | | 2.8 | 141.5 | <0.002 | 0.01 | 0.73 | 12.0 | 1 | 12.7 | 44.4 | 1.30 | <0.05 | 11.35 | 0.532 | 0.56 | 2.1 |
| R613539 | | 2.9 | 143.0 | <0.002 | 0.01 | 0.69 | 11.6 | <1 | 12.0 | 43.8 | 1.23 | <0.05 | 10.80 | 0.517 | 0.60 | 2.2 |
| R613540 | | 2.1 | 139.5 | <0.002 | 0.01 | 0.50 | 11.8 | 1 | 11.7 | 51.6 | 1.34 | <0.05 | 12.05 | 0.568 | 0.59 | 2.4 |
| R613541 | | 8.5 | 128.5 | <0.002 | 0.02 | 0.59 | 11.0 | 2 | 11.2 | 36.8 | 1.12 | <0.05 | 10.70 | 0.468 | 0.54 | 2.0 |
| R613542 | | 2.6 | 161.0 | <0.002 | 0.02 | 0.70 | 13.4 | 1 | 14.3 | 47.0 | 1.12 | 0.05 | 12.20 | 0.465 | 0.66 | 2.3 |
| R613543 | | 2.4 | 133.0 | <0.002 | 0.02 | 0.98 | 11.6 | 1 | 13.1 | 41.4 | 0.90 | <0.05 | 10.80 | 0.373 | 0.55 | 2.5 |
| R613544 | | 3.5 | 144.0 | <0.002 | 0.03 | 0.97 | 15.8 | 2 | 14.8 | 58.7 | 2.08 | 0.06 | 11.10 | 0.616 | 0.62 | 4.1 |
| R613545 | | 3.5 | 144.5 | <0.002 | 0.03 | 1.03 | 16.2 | 2 | 14.8 | 59.7 | 2.07 | 0.07 | 11.30 | 0.641 | 0.64 | 4.1 |
| R613546 | | 4.9 | 139.5 | <0.002 | 0.03 | 0.98 | 17.0 | 1 | 10.4 | 47.1 | 2.65 | <0.05 | 11.85 | 0.772 | 0.70 | 2.4 |
| R613547 | | 3.1 | 117.5 | 0.004 | 0.03 | 0.69 | 16.2 | 2 | 6.1 | 44.4 | 2.34 | <0.05 | 10.45 | 0.843 | 0.59 | 2.1 |
| R613548 | | 2.4 | 130.5 | 0.002 | 0.02 | 0.75 | 16.9 | 2 | 6.6 | 43.8 | 2.57 | <0.05 | 10.90 | 0.893 | 0.62 | 2.4 |
| R613549 | | 2.7 | 135.5 | <0.002 | 0.02 | 0.92 | 18.1 | 1 | 6.1 | 48.6 | 3.19 | <0.05 | 15.35 | 0.994 | 0.66 | 3.0 |
| R613550 | | 2.0 | 141.0 | <0.002 | 0.02 | 0.63 | 18.3 | 1 | 7.0 | 42.4 | 2.71 | <0.05 | 10.60 | 0.935 | 0.72 | 2.2 |
| R613551 | | 3.1 | 123.0 | <0.002 | 0.21 | 2.21 | 15.0 | 1 | 6.9 | 75.7 | 2.23 | <0.05 | 9.38 | 0.746 | 0.81 | 2.1 |
| R613552 | | 0.8 | 0.7 | <0.002 | 0.01 | 0.14 | 0.2 | 1 | <0.2 | 99.7 | <0.05 | <0.05 | 0.08 | 0.006 | <0.02 | 0.1 |
| R613553 | | 2.2 | 138.0 | <0.002 | 0.04 | 0.99 | 17.5 | 1 | 6.8 | 43.2 | 2.76 | <0.05 | 10.90 | 0.950 | 0.83 | 2.6 |
| R613554 | | 3.1 | 135.0 | <0.002 | 0.04 | 0.79 | 18.9 | 1 | 6.2 | 42.6 | 2.87 | <0.05 | 11.20 | 0.943 | 0.83 | 2.9 |
| R613555 | | 5.6 | 138.0 | <0.002 | 0.05 | 0.99 | 17.2 | 1 | 8.6 | 47.2 | 2.86 | <0.05 | 12.35 | 0.865 | 0.82 | 2.9 |
| R613556 | | 6.6 | 143.0 | <0.002 | 0.11 | 0.85 | 17.6 | 1 | 7.1 | 63.8 | 3.50 | <0.05 | 15.85 | 0.914 | 0.86 | 3.9 |
| R613557 | | 9.5 | 137.0 | <0.002 | 0.14 | 1.63 | 15.8 | 1 | 5.1 | 61.5 | 2.64 | 0.07 | 13.55 | 0.703 | 0.79 | 5.0 |
| R613558 | | 6.8 | 71.0 | <0.002 | 0.08 | 0.98 | 13.0 | 1 | 4.2 | 46.6 | 2.03 | <0.05 | 7.74 | 0.698 | 0.44 | 1.9 |
| R613559 | | 1370 | 28.3 | 0.007 | 0.48 | 104.0 | 6.6 | 3 | 1.7 | 203 | 0.36 | 0.05 | 2.67 | 0.190 | 0.32 | 1.6 |
| R613560 | | 6.2 | 126.5 | 0.002 | 0.03 | 1.12 | 16.2 | 1 | 5.0 | 39.8 | 2.26 | <0.05 | 10.15 | 0.793 | 0.61 | 2.4 |

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

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**Finalized Date: 16-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20208113

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613521 | | 256 | 7.0 | 18.8 | 26 | 145.0 |
| R613522 | | 72 | 2.0 | 12.0 | 40 | 44.1 |
| R613523 | | 49 | 9.8 | 16.1 | 2570 | 55.4 |
| R613524 | | 232 | 5.2 | 17.7 | 43 | 151.0 |
| R613525 | | 240 | 5.3 | 15.6 | 41 | 142.0 |
| R613526 | | 151 | 3.6 | 13.8 | 33 | 102.5 |
| R613527 | | 165 | 5.3 | 15.3 | 26 | 98.4 |
| R613528 | | 186 | 7.0 | 18.2 | 24 | 153.0 |
| R613529 | | 173 | 6.4 | 17.5 | 23 | 127.0 |
| R613530 | | 108 | 3.9 | 9.7 | 32 | 71.5 |
| R613531 | | 161 | 102.0 | 14.8 | 27 | 108.5 |
| R613532 | | 75 | 11.2 | 8.5 | 20 | 55.1 |
| R613533 | | 142 | 5.4 | 13.0 | 21 | 107.0 |
| R613534 | | 133 | 4.6 | 11.0 | 24 | 108.5 |
| R613535 | | 132 | 5.3 | 12.7 | 18 | 107.5 |
| R613536 | | 116 | 5.1 | 13.7 | 17 | 96.5 |
| R613537 | | 155 | 6.8 | 14.6 | 14 | 119.5 |
| R613538 | | 127 | 6.4 | 13.2 | 12 | 111.0 |
| R613539 | | 127 | 6.0 | 13.5 | 14 | 112.0 |
| R613540 | | 126 | 6.9 | 15.7 | 14 | 108.0 |
| R613541 | | 111 | 5.9 | 11.2 | 29 | 84.5 |
| R613542 | | 139 | 6.8 | 12.8 | 19 | 111.5 |
| R613543 | | 132 | 5.3 | 12.4 | 19 | 100.5 |
| R613544 | | 237 | 7.5 | 17.5 | 33 | 170.5 |
| R613545 | | 248 | 7.6 | 17.9 | 34 | 174.0 |
| R613546 | | 164 | 6.8 | 16.0 | 47 | 110.0 |
| R613547 | | 151 | 5.7 | 12.7 | 77 | 80.1 |
| R613548 | | 165 | 5.3 | 12.1 | 70 | 93.6 |
| R613549 | | 171 | 6.1 | 15.2 | 59 | 124.5 |
| R613550 | | 177 | 5.2 | 13.3 | 63 | 104.0 |
| R613551 | | 146 | 4.6 | 10.8 | 46 | 97.5 |
| R613552 | | 1 | <0.1 | 1.9 | 3 | 1.4 |
| R613553 | | 187 | 5.3 | 14.3 | 57 | 124.0 |
| R613554 | | 193 | 5.4 | 16.0 | 56 | 172.0 |
| R613555 | | 165 | 4.0 | 17.3 | 48 | 144.0 |
| R613556 | | 169 | 3.5 | 19.6 | 45 | 154.5 |
| R613557 | | 165 | 3.9 | 17.4 | 41 | 162.0 |
| R613558 | | 143 | 2.7 | 11.1 | 77 | 70.1 |
| R613559 | | 50 | 11.2 | 15.8 | 2620 | 58.8 |
| R613560 | | 175 | 3.1 | 14.6 | 51 | 106.0 |

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

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

Project: Rau


**Finalized Date: 16-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20208113

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 8-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20213731

Project: Rau

P.O. No.: R20-D21

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 23-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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Project: Rau


**Finalized Date: 8-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213731

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613561 | | 3.16 | 0.01 | 0.18 | 7.58 | 223 | 2230 | 2.40 | 1.85 | 0.66 | 0.04 | 98.5 | 22.5 | 64 | 5.87 | 119.0 |
| R613562 | | 0.80 | 0.01 | 0.25 | 7.95 | 292 | 2330 | 2.83 | 3.27 | 0.46 | 0.04 | 94.0 | 16.4 | 91 | 6.36 | 141.0 |
| R613563 | | 2.02 | 0.02 | 0.22 | 7.94 | 208 | 2420 | 2.66 | 2.01 | 0.61 | 0.06 | 105.5 | 20.9 | 95 | 6.77 | 103.5 |
| R613564 | | 2.11 | 0.01 | 0.06 | 7.92 | 116.0 | 2490 | 2.56 | 1.37 | 0.30 | <0.02 | 96.5 | 8.0 | 97 | 7.45 | 48.1 |
| R613565 | | 1.13 | 0.01 | 0.07 | 8.74 | 85.7 | 2730 | 2.87 | 1.72 | 0.57 | 0.02 | 146.5 | 4.7 | 116 | 8.21 | 50.3 |
| R613566 | | 0.16 | 1.20 | 66.8 | 6.84 | 31.4 | 4200 | 1.06 | 0.12 | 1.80 | 15.00 | 28.0 | 5.0 | 18 | 0.41 | 216 |
| R613567 | | 3.10 | 0.02 | 0.18 | 8.05 | 152.5 | 2530 | 2.68 | 2.77 | 0.42 | 0.05 | 111.0 | 7.0 | 91 | 7.12 | 76.9 |
| R613568 | | 5.39 | 0.01 | 0.11 | 8.51 | 105.5 | 2540 | 2.76 | 2.78 | 0.51 | 0.05 | 115.0 | 13.0 | 90 | 7.20 | 70.0 |
| R613569 | | 3.05 | 0.01 | 0.08 | 8.41 | 92.4 | 2570 | 2.75 | 1.26 | 1.37 | 0.16 | 111.0 | 31.3 | 87 | 6.26 | 62.2 |
| R613570 | | 1.47 | 0.01 | 0.13 | 6.63 | 141.0 | 1680 | 2.86 | 1.90 | 0.69 | 0.17 | 80.2 | 48.9 | 67 | 4.72 | 194.0 |
| R613571 | | 1.20 | 0.02 | 0.12 | 7.33 | 66.7 | 1950 | 2.20 | 3.54 | 0.60 | 0.09 | 111.0 | 16.0 | 81 | 3.83 | 102.5 |
| R613572 | | 1.16 | 0.02 | 0.13 | 7.19 | 60.8 | 1890 | 2.22 | 3.55 | 0.49 | 0.07 | 103.5 | 11.0 | 82 | 3.80 | 82.4 |
| R613573 | | 1.06 | 0.01 | 0.09 | 8.24 | 48.1 | 2300 | 2.35 | 2.31 | 0.51 | 0.02 | 117.5 | 5.4 | 90 | 5.02 | 59.1 |
| R613574 | | 2.93 | 0.02 | 0.15 | 8.33 | 330 | 2560 | 3.16 | 4.59 | 0.42 | 0.11 | 114.0 | 33.3 | 100 | 6.92 | 165.0 |
| R613575 | | 1.90 | 0.02 | 0.14 | 8.25 | 146.0 | 2740 | 2.82 | 3.70 | 0.53 | 0.05 | 116.0 | 9.5 | 102 | 6.43 | 87.4 |
| R613576 | | 0.97 | 0.01 | 0.14 | 8.12 | 186.0 | 2680 | 2.94 | 3.22 | 0.42 | 0.07 | 106.5 | 21.3 | 97 | 6.44 | 111.5 |
| R613577 | | 0.66 | 0.01 | 0.01 | 0.07 | 1.1 | 20 | 0.06 | 0.04 | 33.7 | <0.02 | 1.06 | 1.5 | 2 | <0.05 | 3.0 |
| R613578 | | 4.77 | 0.02 | 0.16 | 7.78 | 104.0 | 2440 | 2.79 | 4.55 | 0.71 | 0.06 | 109.5 | 11.5 | 92 | 6.56 | 99.5 |
| R613579 | | 3.91 | 0.02 | 0.09 | 7.33 | 84.7 | 2240 | 2.53 | 3.23 | 0.64 | 0.05 | 95.2 | 11.5 | 91 | 6.14 | 87.1 |
| R613580 | | 2.04 | 0.01 | 0.12 | 8.29 | 121.0 | 2570 | 2.68 | 1.72 | 0.55 | 0.08 | 101.5 | 15.7 | 104 | 5.06 | 56.9 |
| R613581 | | 0.49 | 0.01 | 0.07 | 8.60 | 139.5 | 2650 | 2.97 | 1.80 | 0.65 | 0.09 | 126.0 | 17.3 | 112 | 6.09 | 65.9 |
| R613582 | | 2.96 | 0.01 | 0.08 | 7.96 | 114.5 | 2350 | 2.57 | 2.58 | 0.64 | 0.08 | 111.0 | 22.6 | 97 | 6.28 | 77.7 |
| R613583 | | 6.43 | 0.01 | 0.08 | 8.35 | 127.0 | 2290 | 2.66 | 1.40 | 0.88 | 0.25 | 111.5 | 37.3 | 106 | 4.43 | 56.8 |
| R613584 | | 3.76 | 0.02 | 0.11 | 7.32 | 104.5 | 1720 | 1.97 | 2.85 | 0.53 | 0.05 | 114.5 | 19.0 | 69 | 4.06 | 79.3 |
| R613585 | | 2.73 | 0.01 | 0.05 | 7.34 | 127.0 | 1770 | 2.10 | 1.09 | 1.76 | 0.14 | 113.0 | 32.1 | 97 | 3.81 | 58.8 |
| R613586 | | 3.09 | 0.01 | 0.04 | 7.39 | 102.0 | 1540 | 1.98 | 0.85 | 1.07 | 0.08 | 104.5 | 30.2 | 99 | 3.10 | 52.9 |
| R613587 | | 7.83 | <0.01 | 0.08 | 7.17 | 93.5 | 1920 | 2.57 | 0.55 | 0.74 | 0.11 | 100.5 | 20.3 | 104 | 4.49 | 34.7 |
| R613588 | | 3.11 | 0.01 | 0.10 | 7.30 | 91.6 | 2000 | 2.62 | 1.65 | 0.65 | 0.12 | 95.1 | 27.3 | 107 | 4.34 | 87.4 |
| R613589 | | 0.16 | 0.65 | 1.45 | 7.16 | 28.2 | 850 | 1.10 | 0.18 | 1.80 | 1.11 | 24.9 | 4.9 | 14 | 0.35 | 42.9 |
| R613590 | | 3.45 | 0.01 | 0.10 | 7.00 | 73.7 | 2220 | 2.68 | 2.74 | 0.35 | 0.08 | 93.6 | 22.1 | 96 | 5.24 | 136.0 |
| R613591 | | 3.70 | 0.02 | 0.14 | 7.28 | 93.1 | 2210 | 2.66 | 4.26 | 0.51 | 0.04 | 120.5 | 12.7 | 97 | 5.64 | 98.9 |
| R613592 | | 1.58 | 0.01 | 0.12 | 6.56 | 149.0 | 1990 | 2.33 | 3.24 | 1.02 | 0.13 | 82.5 | 39.8 | 92 | 5.30 | 132.0 |
| R613593 | | 3.55 | 0.02 | 0.19 | 7.21 | 220 | 1990 | 2.69 | 4.73 | 0.53 | 0.07 | 96.7 | 37.3 | 69 | 5.65 | 149.5 |
| R613594 | | 1.52 | 0.02 | 0.23 | 6.96 | 196.0 | 1880 | 2.82 | 4.57 | 0.44 | 0.14 | 83.9 | 71.7 | 78 | 5.63 | 301 |
| R613595 | | 2.62 | 0.02 | 0.16 | 7.04 | 179.5 | 2060 | 2.79 | 4.18 | 1.02 | 0.23 | 88.6 | 60.7 | 78 | 5.86 | 149.5 |
| R613596 | | 5.87 | 0.01 | 0.15 | 7.59 | 173.5 | 1660 | 2.32 | 1.93 | 0.58 | 0.19 | 105.0 | 35.9 | 95 | 3.38 | 109.0 |
| R613597 | | <0.02 | <0.01 | 0.14 | 7.68 | 174.0 | 1660 | 2.40 | 1.95 | 0.59 | 0.17 | 108.0 | 36.2 | 95 | 3.38 | 110.5 |
| R613598 | | 6.13 | <0.01 | 0.11 | 7.94 | 162.5 | 1760 | 2.39 | 1.20 | 0.90 | 0.13 | 115.0 | 32.1 | 110 | 3.59 | 63.3 |
| R613599 | | 1.44 | <0.01 | 0.09 | 8.13 | 129.0 | 1810 | 2.37 | 0.70 | 0.66 | 0.12 | 113.0 | 30.3 | 100 | 3.32 | 46.3 |
| R613600 | | 1.64 | <0.01 | 0.07 | 8.52 | 186.0 | 2010 | 2.71 | 0.94 | 0.68 | 0.08 | 119.5 | 28.2 | 112 | 3.78 | 43.7 |

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 8-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213731

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613561 | | 6.39 | 20.6 | 0.15 | 3.3 | 0.093 | 2.87 | 51.3 | 21.2 | 1.41 | 455 | 1.91 | 0.18 | 38.3 | 40.1 | 2280 |
| R613562 | | 6.49 | 21.1 | 0.22 | 3.9 | 0.087 | 3.01 | 50.2 | 21.6 | 1.28 | 442 | 2.29 | 0.22 | 32.9 | 38.8 | 1870 |
| R613563 | | 5.38 | 22.8 | 0.24 | 3.9 | 0.092 | 3.14 | 55.7 | 21.6 | 1.26 | 705 | 1.88 | 0.22 | 39.6 | 45.2 | 1740 |
| R613564 | | 4.90 | 21.4 | 0.24 | 3.9 | 0.092 | 3.25 | 46.4 | 21.9 | 1.34 | 312 | 1.11 | 0.27 | 36.3 | 22.2 | 1470 |
| R613565 | | 5.17 | 24.4 | 0.30 | 4.8 | 0.100 | 3.55 | 70.2 | 24.3 | 1.32 | 323 | 1.42 | 0.32 | 45.3 | 11.6 | 2790 |
| R613566 | | 2.47 | 13.25 | 0.18 | 1.8 | 0.042 | 1.43 | 14.2 | 2.7 | 0.54 | 715 | 6.68 | 3.20 | 5.5 | 8.1 | 500 |
| R613567 | | 5.92 | 22.6 | 0.26 | 4.7 | 0.091 | 3.23 | 55.2 | 22.5 | 1.40 | 392 | 2.06 | 0.28 | 40.9 | 16.8 | 2050 |
| R613568 | | 6.34 | 24.3 | 0.26 | 5.3 | 0.100 | 3.16 | 57.9 | 24.9 | 1.55 | 462 | 1.58 | 0.36 | 48.3 | 33.5 | 2390 |
| R613569 | | 5.33 | 22.4 | 0.26 | 4.5 | 0.094 | 3.20 | 56.3 | 21.8 | 1.47 | 709 | 1.54 | 0.25 | 41.7 | 78.2 | 2270 |
| R613570 | | 8.08 | 16.80 | 0.20 | 2.4 | 0.081 | 2.04 | 38.9 | 25.8 | 1.19 | 843 | 2.72 | 0.20 | 27.2 | 157.5 | 2580 |
| R613571 | | 6.74 | 20.3 | 0.22 | 4.6 | 0.092 | 2.28 | 55.5 | 29.2 | 1.68 | 464 | 1.37 | 0.23 | 41.3 | 49.3 | 2720 |
| R613572 | | 6.71 | 19.80 | 0.22 | 4.0 | 0.085 | 2.24 | 51.9 | 27.3 | 1.62 | 439 | 1.50 | 0.23 | 39.9 | 32.9 | 2400 |
| R613573 | | 5.99 | 22.5 | 0.21 | 5.2 | 0.094 | 2.77 | 56.4 | 27.6 | 1.59 | 411 | 1.40 | 0.33 | 45.0 | 14.0 | 2630 |
| R613574 | | 9.59 | 22.7 | 0.24 | 4.1 | 0.088 | 3.07 | 55.4 | 23.1 | 1.29 | 652 | 5.01 | 0.26 | 33.1 | 88.7 | 2430 |
| R613575 | | 6.04 | 23.1 | 0.24 | 5.1 | 0.106 | 3.30 | 57.1 | 23.5 | 1.24 | 492 | 4.21 | 0.27 | 40.2 | 29.8 | 2690 |
| R613576 | | 7.43 | 23.4 | 0.24 | 5.2 | 0.105 | 3.13 | 51.2 | 23.6 | 1.31 | 622 | 4.06 | 0.25 | 35.7 | 65.6 | 2310 |
| R613577 | | 0.22 | 0.28 | 0.07 | 0.1 | <0.005 | 0.02 | 1.2 | 1.7 | 1.25 | 93 | 0.13 | 0.02 | 0.2 | <0.2 | 80 |
| R613578 | | 5.99 | 22.4 | 0.21 | 4.6 | 0.104 | 2.81 | 54.9 | 27.2 | 1.44 | 429 | 4.59 | 0.31 | 38.5 | 40.2 | 2660 |
| R613579 | | 5.95 | 20.2 | 0.23 | 4.2 | 0.090 | 2.63 | 50.8 | 27.3 | 1.49 | 407 | 1.90 | 0.30 | 37.1 | 40.3 | 2400 |
| R613580 | | 5.79 | 22.5 | 0.28 | 4.2 | 0.101 | 2.82 | 50.1 | 29.3 | 1.55 | 497 | 0.93 | 0.36 | 44.2 | 46.5 | 2120 |
| R613581 | | 6.87 | 25.3 | 0.29 | 4.7 | 0.123 | 3.12 | 61.8 | 30.0 | 1.57 | 519 | 1.86 | 0.25 | 46.0 | 43.0 | 3090 |
| R613582 | | 6.49 | 22.0 | 0.26 | 4.3 | 0.095 | 2.85 | 54.7 | 31.5 | 1.62 | 486 | 2.27 | 0.20 | 42.6 | 63.6 | 2960 |
| R613583 | | 6.74 | 23.5 | 0.25 | 3.5 | 0.102 | 2.61 | 53.9 | 34.7 | 1.88 | 720 | 1.38 | 0.35 | 48.2 | 87.0 | 2330 |
| R613584 | | 6.56 | 20.2 | 0.26 | 4.8 | 0.072 | 2.01 | 57.3 | 27.3 | 1.12 | 423 | 3.99 | 0.67 | 49.7 | 42.6 | 2060 |
| R613585 | | 6.91 | 21.9 | 0.26 | 2.0 | 0.071 | 2.11 | 59.0 | 26.0 | 1.48 | 698 | 1.60 | 0.62 | 42.1 | 76.6 | 2060 |
| R613586 | | 8.24 | 21.4 | 0.23 | 1.4 | 0.070 | 1.89 | 50.9 | 28.5 | 1.86 | 685 | 1.36 | 0.80 | 38.7 | 92.2 | 1870 |
| R613587 | | 6.32 | 22.4 | 0.25 | 1.7 | 0.080 | 2.19 | 51.6 | 27.8 | 1.43 | 497 | 1.86 | 0.53 | 35.1 | 66.8 | 1650 |
| R613588 | | 6.87 | 21.3 | 0.23 | 2.6 | 0.070 | 2.27 | 46.1 | 25.0 | 1.24 | 565 | 2.02 | 0.56 | 37.6 | 74.1 | 1600 |
| R613589 | | 2.40 | 13.25 | 0.21 | 1.9 | 0.059 | 1.49 | 12.8 | 2.5 | 0.57 | 732 | 4.79 | 3.34 | 5.7 | 5.7 | 430 |
| R613590 | | 6.01 | 20.6 | 0.21 | 3.7 | 0.080 | 2.57 | 48.6 | 20.0 | 0.68 | 449 | 3.09 | 0.41 | 34.1 | 53.6 | 1390 |
| R613591 | | 5.14 | 21.6 | 0.25 | 4.1 | 0.076 | 2.65 | 59.5 | 22.3 | 0.94 | 357 | 4.48 | 0.36 | 43.4 | 39.8 | 2060 |
| R613592 | | 5.08 | 19.55 | 0.21 | 4.0 | 0.074 | 2.42 | 42.2 | 19.0 | 0.97 | 1140 | 6.27 | 0.22 | 32.0 | 81.4 | 1500 |
| R613593 | | 6.32 | 20.4 | 0.22 | 6.3 | 0.073 | 2.50 | 48.8 | 22.9 | 0.99 | 690 | 23.0 | 0.23 | 40.0 | 92.3 | 1500 |
| R613594 | | 8.91 | 18.95 | 0.16 | 4.7 | 0.082 | 2.28 | 41.0 | 22.2 | 0.88 | 851 | 14.70 | 0.18 | 34.9 | 189.5 | 1600 |
| R613595 | | 6.95 | 22.1 | 0.16 | 5.3 | 0.090 | 2.51 | 43.6 | 21.0 | 1.08 | 1430 | 12.45 | 0.15 | 41.2 | 131.5 | 1420 |
| R613596 | | 8.79 | 23.8 | 0.18 | 3.1 | 0.096 | 1.95 | 51.7 | 34.2 | 1.83 | 564 | 6.53 | 0.36 | 47.6 | 98.9 | 1800 |
| R613597 | | 8.98 | 24.1 | 0.16 | 2.8 | 0.096 | 1.98 | 52.9 | 35.7 | 1.86 | 580 | 6.53 | 0.36 | 47.8 | 100.0 | 1830 |
| R613598 | | 8.91 | 25.2 | 0.19 | 2.3 | 0.090 | 2.14 | 56.4 | 33.0 | 1.94 | 707 | 1.83 | 0.62 | 47.8 | 89.2 | 2020 |
| R613599 | | 9.25 | 25.3 | 0.18 | 1.2 | 0.083 | 2.05 | 53.2 | 28.6 | 2.18 | 693 | 1.20 | 0.85 | 41.1 | 97.7 | 1900 |
| R613600 | | 8.58 | 26.6 | 0.17 | 1.7 | 0.075 | 2.23 | 57.8 | 30.6 | 1.94 | 631 | 1.23 | 0.85 | 44.7 | 84.9 | 2050 |

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

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Project: Rau


**Finalized Date: 8-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213731

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613561 | | 6.7 | 140.0 | <0.002 | 0.05 | 1.59 | 18.1 | 1 | 4.0 | 55.1 | 1.99 | 0.10 | 10.55 | 0.758 | 0.71 | 4.0 |
| R613562 | | 8.1 | 141.5 | <0.002 | 0.06 | 1.76 | 16.1 | 2 | 3.9 | 60.0 | 1.84 | 0.17 | 11.20 | 0.736 | 0.78 | 5.0 |
| R613563 | | 6.3 | 149.0 | <0.002 | 0.07 | 1.33 | 15.9 | 2 | 4.2 | 66.0 | 2.09 | 0.12 | 12.20 | 0.789 | 0.81 | 4.5 |
| R613564 | | 6.3 | 149.0 | <0.002 | 0.19 | 1.43 | 15.3 | 1 | 4.4 | 70.0 | 2.07 | 0.07 | 11.60 | 0.847 | 0.91 | 4.4 |
| R613565 | | 7.9 | 164.5 | 0.002 | 0.28 | 1.54 | 17.8 | 1 | 4.9 | 101.5 | 2.60 | 0.05 | 14.75 | 1.030 | 0.87 | 5.4 |
| R613566 | | 1425 | 30.0 | 0.009 | 0.49 | 111.0 | 6.9 | 3 | 1.7 | 202 | 0.39 | 0.06 | 2.77 | 0.194 | 0.33 | 1.9 |
| R613567 | | 9.0 | 152.0 | 0.002 | 0.34 | 1.58 | 16.5 | 2 | 4.7 | 108.5 | 2.32 | 0.07 | 11.85 | 0.966 | 0.87 | 5.3 |
| R613568 | | 10.6 | 148.5 | 0.002 | 0.32 | 1.74 | 18.0 | 1 | 5.2 | 110.0 | 2.71 | 0.05 | 12.05 | 1.155 | 0.85 | 6.3 |
| R613569 | | 10.2 | 142.5 | 0.002 | 0.08 | 1.42 | 16.3 | 2 | 4.6 | 70.4 | 2.28 | <0.05 | 11.45 | 0.985 | 0.81 | 4.7 |
| R613570 | | 16.4 | 93.3 | <0.002 | 0.08 | 2.19 | 12.1 | 2 | 3.4 | 84.9 | 1.51 | 0.07 | 7.92 | 0.675 | 0.52 | 6.4 |
| R613571 | | 18.2 | 97.6 | <0.002 | 0.33 | 1.53 | 14.9 | 1 | 4.0 | 92.4 | 2.23 | 0.05 | 10.75 | 0.948 | 0.50 | 5.2 |
| R613572 | | 16.4 | 95.2 | <0.002 | 0.36 | 1.48 | 14.4 | 2 | 3.8 | 93.2 | 2.17 | 0.07 | 10.35 | 0.980 | 0.51 | 4.8 |
| R613573 | | 13.6 | 118.0 | <0.002 | 0.31 | 1.49 | 16.4 | 1 | 4.4 | 120.0 | 2.51 | <0.05 | 11.60 | 1.065 | 0.62 | 5.1 |
| R613574 | | 11.2 | 136.5 | <0.002 | 0.22 | 2.51 | 16.9 | 2 | 4.7 | 105.0 | 1.81 | 0.08 | 11.35 | 0.889 | 0.74 | 5.7 |
| R613575 | | 12.8 | 140.5 | 0.002 | 0.24 | 1.67 | 16.9 | 2 | 5.8 | 121.5 | 2.21 | 0.07 | 11.10 | 1.045 | 0.75 | 6.3 |
| R613576 | | 11.2 | 138.0 | <0.002 | 0.28 | 1.84 | 17.0 | 2 | 5.7 | 120.5 | 1.98 | 0.05 | 10.90 | 0.901 | 0.74 | 6.3 |
| R613577 | | 0.7 | 0.6 | <0.002 | 0.02 | 0.07 | 0.2 | 3 | <0.2 | 86.8 | <0.05 | <0.05 | 0.09 | 0.007 | <0.02 | 0.2 |
| R613578 | | 12.9 | 138.5 | <0.002 | 0.33 | 1.78 | 16.6 | 2 | 5.9 | 145.0 | 2.16 | 0.10 | 10.95 | 0.966 | 0.80 | 6.1 |
| R613579 | | 10.4 | 131.0 | 0.002 | 0.32 | 1.59 | 15.3 | 1 | 5.2 | 110.0 | 2.02 | 0.06 | 9.89 | 0.947 | 0.78 | 6.1 |
| R613580 | | 9.3 | 122.0 | <0.002 | 0.18 | 1.24 | 17.2 | 1 | 5.7 | 106.5 | 2.47 | <0.05 | 10.40 | 1.175 | 0.68 | 6.1 |
| R613581 | | 10.8 | 140.0 | 0.002 | 0.21 | 1.62 | 18.1 | 2 | 6.4 | 106.0 | 2.54 | <0.05 | 11.90 | 1.195 | 0.78 | 5.8 |
| R613582 | | 11.3 | 137.0 | <0.002 | 0.22 | 1.82 | 16.8 | 1 | 5.3 | 102.5 | 2.41 | 0.07 | 10.90 | 1.065 | 0.82 | 6.7 |
| R613583 | | 14.6 | 117.5 | 0.005 | 0.15 | 2.03 | 17.9 | 2 | 4.8 | 66.8 | 2.63 | <0.05 | 10.65 | 1.220 | 0.61 | 4.1 |
| R613584 | | 8.4 | 91.2 | 0.002 | 0.27 | 1.65 | 14.2 | 2 | 4.0 | 99.3 | 2.60 | 0.10 | 10.30 | 1.075 | 0.51 | 5.3 |
| R613585 | | 5.0 | 92.9 | 0.005 | 0.18 | 1.38 | 16.0 | 2 | 3.7 | 70.7 | 2.33 | 0.05 | 9.62 | 1.055 | 0.52 | 2.6 |
| R613586 | | 5.6 | 80.7 | 0.013 | 0.24 | 1.25 | 15.3 | 2 | 3.2 | 64.7 | 2.15 | <0.05 | 9.08 | 0.988 | 0.47 | 1.8 |
| R613587 | | 5.4 | 104.0 | 0.004 | 0.05 | 1.40 | 16.6 | 2 | 3.5 | 57.4 | 1.95 | <0.05 | 9.47 | 0.901 | 0.56 | 2.4 |
| R613588 | | 6.3 | 102.5 | 0.009 | 0.17 | 1.24 | 15.3 | 3 | 3.7 | 59.1 | 2.12 | 0.06 | 9.32 | 0.970 | 0.57 | 3.1 |
| R613589 | | 120.0 | 29.0 | <0.002 | 0.11 | 14.35 | 6.9 | 1 | 1.2 | 204 | 0.39 | <0.05 | 2.72 | 0.197 | 0.42 | 1.3 |
| R613590 | | 6.1 | 118.0 | 0.002 | 0.14 | 1.17 | 14.6 | 3 | 3.3 | 60.1 | 1.82 | 0.10 | 9.92 | 0.803 | 0.65 | 3.6 |
| R613591 | | 10.8 | 122.5 | 0.002 | 0.22 | 1.70 | 13.7 | 3 | 3.5 | 89.9 | 2.50 | 0.12 | 12.25 | 0.805 | 0.73 | 5.0 |
| R613592 | | 9.2 | 113.0 | 0.003 | 0.05 | 1.87 | 13.3 | 2 | 3.6 | 55.1 | 1.72 | 0.09 | 9.28 | 0.706 | 0.67 | 5.0 |
| R613593 | | 10.7 | 120.0 | <0.002 | 0.13 | 2.31 | 13.4 | 3 | 3.7 | 71.9 | 2.18 | 0.14 | 11.50 | 0.769 | 0.76 | 9.8 |
| R613594 | | 10.5 | 116.5 | 0.003 | 0.08 | 3.24 | 13.4 | 3 | 3.5 | 42.4 | 1.89 | 0.15 | 10.50 | 0.682 | 0.66 | 15.0 |
| R613595 | | 10.2 | 133.5 | 0.003 | 0.07 | 1.86 | 14.9 | 3 | 4.3 | 57.8 | 2.25 | 0.14 | 11.20 | 0.775 | 0.73 | 8.3 |
| R613596 | | 9.7 | 99.0 | 0.012 | 0.19 | 1.61 | 15.8 | 2 | 4.5 | 68.5 | 2.57 | 0.05 | 10.60 | 1.025 | 0.51 | 5.2 |
| R613597 | | 9.7 | 100.0 | 0.013 | 0.20 | 1.65 | 16.2 | 2 | 4.6 | 69.0 | 2.61 | 0.07 | 10.60 | 1.030 | 0.50 | 5.1 |
| R613598 | | 7.7 | 106.5 | 0.006 | 0.10 | 1.57 | 17.1 | 2 | 4.4 | 74.1 | 2.64 | <0.05 | 10.95 | 1.115 | 0.53 | 2.9 |
| R613599 | | 6.8 | 94.4 | 0.011 | 0.21 | 1.33 | 18.4 | 2 | 3.7 | 75.9 | 2.24 | <0.05 | 10.20 | 0.973 | 0.52 | 1.9 |
| R613600 | | 7.6 | 105.5 | 0.007 | 0.13 | 1.59 | 19.7 | 1 | 3.7 | 82.6 | 2.41 | <0.05 | 10.95 | 1.110 | 0.58 | 2.3 |

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

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


**Finalized Date: 8-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213731

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613561 | | 222 | 3.1 | 17.3 | 44 | 142.0 |
| R613562 | | 190 | 3.0 | 13.3 | 37 | 170.5 |
| R613563 | | 154 | 3.6 | 13.1 | 35 | 164.5 |
| R613564 | | 158 | 3.0 | 10.3 | 39 | 150.5 |
| R613565 | | 193 | 3.7 | 14.2 | 33 | 233 |
| R613566 | | 51 | 13.4 | 16.4 | 2690 | 60.3 |
| R613567 | | 166 | 4.0 | 12.3 | 43 | 205 |
| R613568 | | 191 | 4.8 | 13.9 | 47 | 218 |
| R613569 | | 172 | 4.6 | 15.8 | 50 | 212 |
| R613570 | | 126 | 3.6 | 14.6 | 71 | 103.5 |
| R613571 | | 160 | 4.5 | 12.9 | 56 | 195.5 |
| R613572 | | 160 | 4.5 | 11.5 | 48 | 165.0 |
| R613573 | | 186 | 5.4 | 11.7 | 38 | 237 |
| R613574 | | 199 | 4.1 | 13.0 | 49 | 182.0 |
| R613575 | | 207 | 4.3 | 14.9 | 42 | 225 |
| R613576 | | 207 | 4.1 | 14.4 | 44 | 231 |
| R613577 | | 2 | 0.1 | 1.9 | 3 | 1.7 |
| R613578 | | 201 | 4.0 | 14.7 | 40 | 197.0 |
| R613579 | | 184 | 3.9 | 13.4 | 46 | 168.5 |
| R613580 | | 213 | 5.2 | 13.7 | 52 | 186.5 |
| R613581 | | 212 | 5.4 | 16.1 | 52 | 200 |
| R613582 | | 198 | 4.3 | 15.0 | 49 | 191.5 |
| R613583 | | 208 | 5.0 | 15.5 | 76 | 155.5 |
| R613584 | | 173 | 3.4 | 12.8 | 45 | 201 |
| R613585 | | 188 | 3.2 | 12.9 | 54 | 99.0 |
| R613586 | | 168 | 2.8 | 10.0 | 70 | 73.5 |
| R613587 | | 174 | 3.1 | 11.2 | 54 | 84.6 |
| R613588 | | 169 | 3.5 | 11.6 | 51 | 141.5 |
| R613589 | | 39 | 11.8 | 16.0 | 208 | 60.8 |
| R613590 | | 163 | 3.1 | 11.8 | 28 | 140.0 |
| R613591 | | 213 | 3.3 | 12.9 | 26 | 207 |
| R613592 | | 246 | 3.1 | 13.0 | 29 | 168.0 |
| R613593 | | 198 | 3.1 | 15.8 | 27 | 278 |
| R613594 | | 222 | 3.0 | 20.5 | 48 | 211 |
| R613595 | | 231 | 3.3 | 19.0 | 32 | 224 |
| R613596 | | 176 | 4.3 | 14.1 | 62 | 146.0 |
| R613597 | | 180 | 4.6 | 13.9 | 63 | 126.0 |
| R613598 | | 191 | 4.4 | 14.8 | 70 | 101.5 |
| R613599 | | 181 | 3.5 | 11.8 | 78 | 50.6 |
| R613600 | | 206 | 3.8 | 12.9 | 70 | 76.5 |

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

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

Project: Rau


**Finalized Date: 8-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213731

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20213736

Project: Rau

P.O. No.: R20-D22

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 23-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213736

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613601 | | 1.32 | <0.01 | 0.05 | 7.06 | 121.5 | 1740 | 1.94 | 0.50 | 1.08 | 0.10 | 91.7 | 21.8 | 106 | 2.98 | 39.1 |
| R613602 | | 4.84 | <0.01 | 0.06 | 7.20 | 151.5 | 2030 | 2.27 | 0.94 | 0.85 | 0.06 | 87.9 | 18.7 | 99 | 3.86 | 38.1 |
| R613603 | | 0.47 | <0.01 | 0.34 | 6.49 | 172.0 | 1600 | 1.81 | 1.02 | 0.93 | 0.12 | 76.5 | 24.3 | 72 | 3.32 | 26.1 |
| R613604 | | 3.88 | <0.01 | 0.05 | 6.91 | 122.0 | 1890 | 2.03 | 0.83 | 1.34 | 0.11 | 89.0 | 25.3 | 100 | 3.31 | 52.5 |
| R613605 | | 1.81 | 0.01 | 0.09 | 6.44 | 100.5 | 1950 | 2.05 | 2.16 | 1.27 | 0.07 | 82.0 | 27.3 | 84 | 4.07 | 148.0 |
| R613606 | | 2.45 | 0.01 | 0.12 | 6.43 | 90.8 | 1810 | 1.82 | 2.11 | 1.87 | 0.11 | 82.5 | 29.5 | 77 | 4.01 | 119.0 |
| R613607 | | 0.16 | 1.38 | 66.2 | 7.12 | 30.6 | 4370 | 0.89 | 0.13 | 1.89 | 14.65 | 26.9 | 4.8 | 18 | 0.40 | 215 |
| R613608 | | 1.73 | <0.01 | 0.07 | 7.60 | 237 | 1580 | 1.95 | 0.82 | 1.23 | 0.11 | 102.5 | 32.1 | 116 | 3.02 | 66.6 |
| R613609 | | 2.06 | <0.01 | 0.07 | 7.90 | 110.5 | 1500 | 2.06 | 0.77 | 1.24 | 0.09 | 103.5 | 23.0 | 113 | 3.05 | 48.8 |
| R613610 | | 1.02 | <0.01 | 0.07 | 7.88 | 153.0 | 1550 | 1.96 | 0.87 | 1.58 | 0.10 | 101.5 | 30.3 | 122 | 3.12 | 56.6 |
| R613611 | | 2.55 | <0.01 | 0.05 | 7.31 | 132.0 | 1980 | 1.97 | 1.12 | 4.18 | 0.12 | 105.0 | 30.2 | 105 | 3.51 | 73.1 |
| R613612 | | 7.03 | <0.01 | 0.08 | 6.64 | 93.8 | 1940 | 2.11 | 0.88 | 3.66 | 0.14 | 93.2 | 25.2 | 103 | 3.40 | 57.1 |
| R613613 | | 4.08 | <0.01 | 0.13 | 7.72 | 126.5 | 2460 | 2.62 | 1.15 | 2.94 | 0.16 | 116.0 | 44.5 | 117 | 4.39 | 126.5 |
| R613614 | | 2.46 | 0.01 | 0.17 | 6.44 | 206 | 1920 | 1.99 | 2.64 | 2.17 | 0.14 | 88.0 | 53.4 | 97 | 3.35 | 207 |
| R613615 | | <0.02 | 0.01 | 0.14 | 6.22 | 196.5 | 1870 | 2.01 | 2.58 | 2.17 | 0.17 | 84.8 | 52.6 | 97 | 3.33 | 198.0 |
| R613616 | | 5.45 | 0.01 | 0.16 | 7.20 | 236 | 2180 | 2.23 | 4.75 | 2.34 | 0.19 | 96.7 | 50.6 | 118 | 3.67 | 193.5 |
| R613617 | | 4.52 | 0.02 | 0.17 | 6.81 | 294 | 1810 | 2.39 | 6.56 | 1.03 | 0.12 | 93.8 | 56.0 | 98 | 3.42 | 183.0 |
| R613618 | | 5.95 | 0.01 | 0.10 | 7.72 | 76.9 | 2300 | 2.33 | 3.47 | 0.75 | 0.07 | 89.6 | 22.3 | 94 | 4.14 | 109.0 |
| R613619 | | 6.27 | <0.01 | 0.05 | 7.47 | 60.9 | 2340 | 2.36 | 1.62 | 0.86 | 0.07 | 98.3 | 20.0 | 83 | 4.96 | 60.7 |
| R613620 | | 6.65 | <0.01 | 0.05 | 6.37 | 42.8 | 2000 | 2.20 | 0.60 | 0.76 | 0.03 | 83.0 | 12.7 | 65 | 4.34 | 39.3 |
| R613621 | | 0.85 | <0.01 | 0.05 | 6.52 | 58.0 | 2060 | 2.25 | 0.89 | 0.67 | 0.04 | 89.1 | 17.0 | 68 | 4.61 | 59.5 |
| R613622 | | 0.16 | 1.27 | 71.5 | 6.94 | 30.1 | 4240 | 1.01 | 0.13 | 1.83 | 15.25 | 27.3 | 5.2 | 17 | 0.40 | 218 |
| R613623 | | 4.96 | 0.01 | 0.10 | 7.22 | 203 | 2300 | 2.57 | 1.86 | 1.01 | 0.07 | 113.5 | 27.9 | 63 | 5.14 | 92.6 |
| R613624 | | 1.39 | <0.01 | 0.02 | 7.17 | 51.0 | 2240 | 2.27 | 0.48 | 0.46 | 0.04 | 85.9 | 16.4 | 49 | 4.50 | 31.9 |
| R613625 | | 1.52 | <0.01 | 0.07 | 7.19 | 44.3 | 1940 | 2.15 | 0.69 | 0.44 | 0.03 | 93.7 | 23.4 | 47 | 3.36 | 66.5 |
| R613626 | | 1.09 | <0.01 | 0.02 | 8.02 | 61.7 | 2500 | 2.46 | 0.42 | 0.80 | 0.06 | 120.0 | 27.3 | 55 | 4.58 | 27.5 |
| R613627 | | 1.01 | <0.01 | 0.03 | 6.74 | 48.4 | 2040 | 2.03 | 0.35 | 1.57 | 0.04 | 104.0 | 19.3 | 46 | 3.79 | 33.4 |
| R613628 | | 1.96 | <0.01 | 0.03 | 6.63 | 67.2 | 1960 | 1.94 | 0.38 | 0.96 | 0.04 | 97.8 | 27.8 | 45 | 3.60 | 26.4 |
| R613629 | | 6.19 | <0.01 | 0.04 | 6.38 | 76.5 | 1870 | 1.82 | 0.63 | 0.53 | 0.08 | 83.3 | 28.2 | 44 | 3.05 | 52.9 |
| R613630 | | 0.38 | 0.01 | 0.14 | 6.31 | 43.7 | 2090 | 2.03 | 2.10 | 0.26 | 0.06 | 121.5 | 17.0 | 49 | 4.17 | 242 |
| R613631 | | 3.18 | 0.01 | 0.13 | 6.54 | 86.7 | 2090 | 2.21 | 3.40 | 1.04 | 0.14 | 103.0 | 27.5 | 65 | 4.72 | 184.0 |
| R613632 | | 1.92 | <0.01 | 0.04 | 7.26 | 51.5 | 2390 | 2.27 | 0.71 | 1.15 | 0.16 | 115.0 | 19.9 | 57 | 5.06 | 47.9 |
| R613633 | | 2.08 | <0.01 | 0.05 | 6.85 | 57.8 | 2270 | 2.31 | 0.71 | 1.24 | 0.17 | 103.5 | 21.4 | 60 | 4.74 | 56.3 |
| R613634 | | 5.15 | <0.01 | 0.02 | 7.18 | 32.4 | 2570 | 2.21 | 0.21 | 1.28 | 0.08 | 127.0 | 12.0 | 49 | 4.74 | 15.1 |
| R613635 | | 4.45 | <0.01 | 0.08 | 6.66 | 152.0 | 2260 | 2.10 | 0.40 | 1.94 | 0.23 | 115.5 | 22.9 | 57 | 4.60 | 25.0 |
| R613636 | | 5.35 | <0.01 | 0.04 | 7.09 | 97.0 | 2550 | 2.15 | 0.46 | 2.10 | 0.23 | 125.5 | 21.2 | 47 | 5.43 | 26.0 |
| R613637 | | 1.89 | <0.01 | 0.01 | 0.18 | 0.9 | 30 | 0.09 | 0.14 | 33.2 | <0.02 | 1.25 | 0.5 | 2 | <0.05 | 1.1 |
| R613638 | | 2.32 | <0.01 | 0.05 | 7.48 | 24.0 | 2580 | 2.14 | 0.33 | 0.99 | 0.19 | 131.5 | 11.4 | 44 | 5.12 | 18.2 |
| R613639 | | 4.66 | <0.01 | 0.05 | 7.10 | 27.0 | 2410 | 2.15 | 0.36 | 0.96 | 0.17 | 118.0 | 12.0 | 44 | 4.54 | 14.5 |
| R613640 | | 6.22 | <0.01 | 0.04 | 7.80 | 38.0 | 2680 | 2.46 | 0.71 | 1.05 | 0.16 | 153.0 | 16.2 | 44 | 5.21 | 24.7 |

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

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


**Finalized Date: 27-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613601 | | 7.54 | 19.80 | 0.20 | 1.4 | 0.068 | 1.97 | 44.4 | 19.9 | 1.69 | 779 | 1.07 | 0.66 | 28.8 | 89.4 | 1610 |
| R613602 | | 6.32 | 21.4 | 0.21 | 2.3 | 0.070 | 2.30 | 44.5 | 18.2 | 1.44 | 656 | 1.11 | 0.57 | 30.2 | 67.2 | 1510 |
| R613603 | | 6.46 | 18.95 | 0.19 | 1.2 | 0.070 | 2.05 | 39.9 | 17.7 | 1.68 | 661 | 0.89 | 0.45 | 31.7 | 62.7 | 1500 |
| R613604 | | 6.42 | 19.90 | 0.21 | 1.5 | 0.067 | 2.12 | 43.9 | 16.4 | 1.58 | 871 | 1.12 | 0.52 | 31.7 | 76.5 | 1470 |
| R613605 | | 5.91 | 19.30 | 0.21 | 2.2 | 0.068 | 2.29 | 41.9 | 15.1 | 0.90 | 958 | 2.36 | 0.35 | 26.8 | 66.3 | 1340 |
| R613606 | | 5.48 | 18.05 | 0.22 | 3.5 | 0.065 | 2.12 | 42.0 | 16.6 | 0.96 | 1120 | 5.04 | 0.37 | 30.6 | 96.9 | 1660 |
| R613607 | | 2.51 | 13.90 | 0.22 | 1.9 | 0.040 | 1.44 | 14.1 | 2.2 | 0.55 | 716 | 7.05 | 3.23 | 5.7 | 8.2 | 500 |
| R613608 | | 8.43 | 22.5 | 0.25 | 1.4 | 0.075 | 1.82 | 49.9 | 24.7 | 1.94 | 813 | 1.16 | 0.75 | 40.2 | 95.0 | 1960 |
| R613609 | | 9.28 | 23.3 | 0.23 | 1.0 | 0.074 | 1.77 | 50.0 | 27.0 | 2.07 | 777 | 0.98 | 0.91 | 42.9 | 106.5 | 2030 |
| R613610 | | 8.63 | 22.4 | 0.22 | 1.1 | 0.074 | 1.82 | 48.1 | 26.7 | 1.75 | 819 | 1.19 | 0.87 | 44.6 | 115.0 | 2100 |
| R613611 | | 6.35 | 22.4 | 0.23 | 1.0 | 0.067 | 2.37 | 51.6 | 16.2 | 1.71 | 1290 | 0.95 | 0.51 | 38.9 | 103.0 | 1820 |
| R613612 | | 4.85 | 22.7 | 0.14 | 1.2 | 0.073 | 2.33 | 48.0 | 16.7 | 1.47 | 1040 | 1.14 | 0.43 | 41.6 | 83.0 | 1810 |
| R613613 | | 6.15 | 28.4 | 0.16 | 1.6 | 0.087 | 3.00 | 60.8 | 16.1 | 1.13 | 1130 | 2.62 | 0.38 | 45.4 | 134.0 | 2020 |
| R613614 | | 8.52 | 21.5 | 0.13 | 1.8 | 0.064 | 2.43 | 45.9 | 12.7 | 0.88 | 1180 | 5.32 | 0.31 | 24.1 | 164.0 | 1790 |
| R613615 | | 8.20 | 21.5 | 0.15 | 1.8 | 0.059 | 2.32 | 44.3 | 12.9 | 0.88 | 1180 | 5.23 | 0.30 | 28.6 | 159.5 | 1720 |
| R613616 | | 6.96 | 23.9 | 0.17 | 3.4 | 0.073 | 2.75 | 48.3 | 15.3 | 0.80 | 1140 | 9.75 | 0.37 | 38.6 | 181.0 | 2040 |
| R613617 | | 8.32 | 21.4 | 0.14 | 4.1 | 0.079 | 2.24 | 47.4 | 15.5 | 0.55 | 1100 | 18.15 | 0.45 | 27.7 | 158.5 | 1710 |
| R613618 | | 5.91 | 21.4 | 0.11 | 3.1 | 0.078 | 2.86 | 46.6 | 14.0 | 0.66 | 788 | 3.74 | 0.46 | 30.5 | 74.0 | 1710 |
| R613619 | | 5.16 | 21.1 | 0.16 | 3.0 | 0.080 | 2.96 | 52.4 | 14.0 | 0.97 | 601 | 1.52 | 0.39 | 29.3 | 56.8 | 1550 |
| R613620 | | 5.06 | 18.70 | 0.14 | 2.0 | 0.075 | 2.60 | 43.8 | 11.7 | 1.39 | 535 | 0.44 | 0.33 | 22.2 | 36.9 | 1300 |
| R613621 | | 5.89 | 19.75 | 0.15 | 2.2 | 0.083 | 2.64 | 48.2 | 12.9 | 1.47 | 608 | 0.70 | 0.33 | 24.2 | 47.7 | 1080 |
| R613622 | | 2.49 | 14.25 | 0.10 | 2.0 | 0.036 | 1.46 | 15.4 | 2.5 | 0.55 | 709 | 7.08 | 3.18 | 5.7 | 8.5 | 490 |
| R613623 | | 5.50 | 21.7 | 0.16 | 3.9 | 0.084 | 2.92 | 62.6 | 12.2 | 1.08 | 648 | 2.66 | 0.35 | 38.3 | 52.7 | 1880 |
| R613624 | | 6.28 | 20.6 | 0.14 | 2.8 | 0.084 | 2.80 | 46.5 | 13.2 | 1.30 | 511 | 0.70 | 0.37 | 43.7 | 33.0 | 1860 |
| R613625 | | 9.27 | 21.0 | 0.13 | 2.4 | 0.088 | 2.67 | 50.3 | 12.2 | 2.36 | 802 | 0.45 | 0.47 | 42.4 | 49.4 | 1590 |
| R613626 | | 6.69 | 23.2 | 0.17 | 2.7 | 0.104 | 3.09 | 67.2 | 14.2 | 1.72 | 610 | 0.56 | 0.45 | 52.1 | 34.5 | 1950 |
| R613627 | | 5.93 | 19.70 | 0.15 | 2.4 | 0.083 | 2.61 | 59.7 | 11.0 | 1.71 | 722 | 0.54 | 0.37 | 50.5 | 36.8 | 1800 |
| R613628 | | 6.24 | 18.80 | 0.15 | 2.0 | 0.086 | 2.55 | 53.4 | 11.7 | 1.57 | 642 | 0.47 | 0.38 | 47.8 | 34.0 | 1750 |
| R613629 | | 7.27 | 17.85 | 0.13 | 2.1 | 0.077 | 2.34 | 45.4 | 11.0 | 1.55 | 616 | 0.49 | 0.32 | 44.0 | 39.7 | 1600 |
| R613630 | | 6.45 | 18.55 | 0.16 | 3.9 | 0.085 | 2.51 | 67.1 | 9.1 | 0.46 | 253 | 6.75 | 0.27 | 48.6 | 39.8 | 1510 |
| R613631 | | 6.23 | 19.85 | 0.14 | 4.1 | 0.088 | 2.59 | 57.6 | 11.5 | 0.77 | 378 | 16.50 | 0.22 | 45.9 | 46.6 | 4210 |
| R613632 | | 5.80 | 21.5 | 0.17 | 3.2 | 0.091 | 2.96 | 64.0 | 12.4 | 1.54 | 639 | 1.34 | 0.24 | 47.4 | 37.0 | 1840 |
| R613633 | | 5.62 | 20.5 | 0.15 | 2.8 | 0.093 | 2.75 | 57.2 | 12.0 | 1.41 | 671 | 1.58 | 0.22 | 44.6 | 40.5 | 1940 |
| R613634 | | 5.36 | 21.0 | 0.16 | 4.2 | 0.085 | 3.06 | 69.7 | 10.0 | 1.78 | 578 | 0.56 | 0.27 | 61.2 | 22.7 | 1800 |
| R613635 | | 5.69 | 20.3 | 0.15 | 2.4 | 0.104 | 2.75 | 62.9 | 10.9 | 1.76 | 784 | 1.08 | 0.20 | 56.0 | 31.1 | 1780 |
| R613636 | | 5.16 | 21.4 | 0.18 | 3.9 | 0.092 | 3.22 | 69.5 | 10.1 | 1.87 | 761 | 0.58 | 0.21 | 60.3 | 26.0 | 1600 |
| R613637 | | 0.22 | 0.61 | 0.05 | 0.1 | <0.005 | 0.07 | 1.3 | 1.0 | 1.46 | 106 | 0.13 | 0.09 | 0.4 | 1.1 | 70 |
| R613638 | | 5.67 | 22.5 | 0.16 | 2.2 | 0.105 | 3.15 | 72.2 | 10.6 | 1.80 | 572 | 0.44 | 0.22 | 84.7 | 20.8 | 1460 |
| R613639 | | 5.54 | 21.6 | 0.16 | 3.2 | 0.100 | 2.97 | 64.3 | 11.2 | 1.77 | 555 | 0.36 | 0.19 | 66.9 | 20.4 | 1380 |
| R613640 | | 5.36 | 23.5 | 0.22 | 3.9 | 0.113 | 3.25 | 83.2 | 11.6 | 1.72 | 538 | 0.57 | 0.20 | 65.6 | 24.9 | 1570 |

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

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# CERTIFICATE OF ANALYSIS WH20213736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613601 | | 5.1 | 85.2 | 0.007 | 0.15 | 1.22 | 14.4 | 1 | 2.9 | 70.4 | 1.72 | <0.05 | 8.57 | 0.850 | 0.43 | 2.2 |
| R613602 | | 4.7 | 105.0 | 0.006 | 0.11 | 1.30 | 15.0 | 1 | 3.3 | 69.8 | 1.78 | <0.05 | 9.94 | 0.829 | 0.54 | 2.7 |
| R613603 | | 5.4 | 91.2 | 0.007 | 0.10 | 0.78 | 14.5 | 1 | 4.7 | 56.2 | 1.84 | <0.05 | 8.03 | 0.751 | 0.51 | 1.4 |
| R613604 | | 5.0 | 93.5 | 0.009 | 0.19 | 1.29 | 14.0 | 2 | 3.3 | 75.7 | 1.85 | <0.05 | 9.03 | 0.875 | 0.49 | 2.3 |
| R613605 | | 5.3 | 105.0 | 0.002 | 0.11 | 1.17 | 13.2 | 2 | 6.5 | 67.3 | 1.52 | 0.09 | 9.66 | 0.657 | 0.59 | 2.6 |
| R613606 | | 5.7 | 97.0 | 0.002 | 0.06 | 1.41 | 12.6 | 2 | 3.8 | 69.8 | 1.80 | 0.06 | 9.03 | 0.716 | 0.57 | 4.1 |
| R613607 | | 1420 | 30.2 | 0.010 | 0.51 | 111.5 | 6.9 | 3 | 1.8 | 211 | 0.38 | <0.05 | 2.88 | 0.197 | 0.36 | 1.7 |
| R613608 | | 7.4 | 78.5 | 0.004 | 0.26 | 1.27 | 15.4 | 2 | 3.7 | 81.4 | 2.33 | <0.05 | 8.81 | 1.180 | 0.44 | 2.2 |
| R613609 | | 7.8 | 76.9 | 0.005 | 0.30 | 1.50 | 16.2 | 2 | 3.7 | 86.9 | 2.52 | <0.05 | 9.00 | 1.250 | 0.44 | 1.6 |
| R613610 | | 7.3 | 78.4 | 0.002 | 0.05 | 1.62 | 15.7 | 2 | 3.9 | 90.9 | 2.60 | <0.05 | 8.69 | 1.300 | 0.45 | 1.9 |
| R613611 | | 5.0 | 102.5 | 0.002 | 0.08 | 1.28 | 15.6 | 2 | 3.8 | 137.5 | 2.30 | <0.05 | 9.80 | 1.090 | 0.60 | 1.9 |
| R613612 | | 4.2 | 104.5 | 0.020 | 0.14 | 1.41 | 15.8 | 1 | 4.0 | 129.5 | 2.45 | 0.05 | 8.12 | 1.165 | 0.58 | 2.1 |
| R613613 | | 3.4 | 139.0 | 0.017 | 0.13 | 1.64 | 19.4 | 2 | 4.5 | 116.0 | 2.75 | 0.05 | 9.83 | 1.240 | 0.73 | 3.0 |
| R613614 | | 4.2 | 102.5 | 0.012 | 0.09 | 2.58 | 15.6 | 3 | 2.9 | 88.9 | 1.48 | 0.08 | 7.61 | 0.677 | 0.64 | 3.7 |
| R613615 | | 4.2 | 104.0 | 0.012 | 0.09 | 2.59 | 15.9 | 3 | 3.0 | 89.9 | 1.65 | 0.08 | 7.65 | 0.759 | 0.62 | 3.7 |
| R613616 | | 5.9 | 120.5 | 0.005 | 0.07 | 1.67 | 17.6 | 3 | 3.9 | 97.3 | 2.30 | 0.09 | 8.65 | 1.135 | 0.63 | 4.7 |
| R613617 | | 8.0 | 105.0 | 0.013 | 0.12 | 2.94 | 16.4 | 3 | 3.2 | 76.0 | 1.59 | 0.13 | 8.65 | 0.760 | 0.58 | 6.5 |
| R613618 | | 6.8 | 118.5 | 0.003 | 0.07 | 1.25 | 14.9 | 2 | 3.5 | 69.0 | 1.78 | 0.09 | 9.93 | 0.841 | 0.59 | 4.1 |
| R613619 | | 4.3 | 142.0 | 0.004 | 0.10 | 1.28 | 14.5 | 1 | 3.4 | 67.3 | 1.69 | <0.05 | 12.65 | 0.691 | 0.68 | 3.7 |
| R613620 | | 2.5 | 127.0 | 0.005 | 0.12 | 0.87 | 12.7 | 1 | 2.9 | 53.2 | 1.31 | <0.05 | 11.40 | 0.508 | 0.60 | 2.2 |
| R613621 | | 3.1 | 130.5 | 0.003 | 0.15 | 0.95 | 13.4 | 1 | 4.4 | 51.9 | 1.40 | 0.06 | 12.00 | 0.533 | 0.63 | 2.5 |
| R613622 | | 1455 | 32.8 | 0.008 | 0.49 | 111.5 | 7.3 | 3 | 1.8 | 206 | 0.40 | 0.06 | 2.88 | 0.195 | 0.35 | 1.8 |
| R613623 | | 4.3 | 141.0 | 0.004 | 0.17 | 1.31 | 15.2 | 2 | 4.7 | 67.1 | 2.12 | 0.09 | 13.80 | 0.660 | 0.67 | 4.1 |
| R613624 | | 2.9 | 132.5 | 0.005 | 0.16 | 0.78 | 18.8 | 1 | 3.5 | 53.4 | 2.32 | <0.05 | 10.05 | 0.821 | 0.65 | 3.1 |
| R613625 | | 4.5 | 122.0 | 0.013 | 0.57 | 0.81 | 18.6 | 1 | 3.4 | 60.6 | 2.19 | 0.05 | 11.10 | 0.808 | 0.56 | 3.3 |
| R613626 | | 4.3 | 144.5 | 0.003 | 0.15 | 1.11 | 22.1 | 1 | 4.1 | 64.2 | 2.82 | <0.05 | 13.50 | 1.025 | 0.72 | 3.1 |
| R613627 | | 3.5 | 125.0 | 0.002 | 0.15 | 1.05 | 18.6 | 1 | 3.5 | 66.8 | 2.61 | <0.05 | 10.95 | 0.830 | 0.64 | 2.3 |
| R613628 | | 3.6 | 117.0 | 0.003 | 0.19 | 1.03 | 18.2 | 1 | 3.4 | 56.2 | 2.53 | <0.05 | 10.45 | 0.816 | 0.59 | 2.1 |
| R613629 | | 4.4 | 103.0 | 0.006 | 0.29 | 1.11 | 17.2 | 1 | 3.2 | 49.4 | 2.27 | 0.05 | 9.21 | 0.792 | 0.50 | 2.4 |
| R613630 | | 5.7 | 117.0 | 0.002 | 0.31 | 1.15 | 15.8 | 3 | 3.4 | 58.7 | 2.60 | 0.12 | 13.60 | 0.705 | 0.60 | 5.9 |
| R613631 | | 6.8 | 123.0 | 0.003 | 0.15 | 1.54 | 15.4 | 3 | 3.8 | 64.2 | 2.55 | 0.18 | 13.30 | 0.696 | 0.65 | 5.8 |
| R613632 | | 6.5 | 139.0 | 0.005 | 0.13 | 1.38 | 16.9 | 1 | 4.1 | 58.0 | 2.50 | 0.05 | 12.80 | 0.765 | 0.66 | 3.5 |
| R613633 | | 7.5 | 130.0 | 0.005 | 0.15 | 1.46 | 16.1 | 2 | 3.7 | 58.3 | 2.40 | 0.07 | 11.50 | 0.725 | 0.66 | 3.3 |
| R613634 | | 4.9 | 140.0 | 0.004 | 0.07 | 0.89 | 14.9 | 1 | 3.5 | 63.1 | 3.14 | <0.05 | 14.40 | 0.779 | 0.69 | 3.1 |
| R613635 | | 7.8 | 127.0 | 0.002 | 0.08 | 1.14 | 14.8 | 1 | 3.8 | 65.8 | 3.13 | <0.05 | 13.25 | 0.709 | 0.65 | 2.5 |
| R613636 | | 7.4 | 147.5 | 0.002 | 0.14 | 1.41 | 15.7 | 1 | 3.6 | 68.2 | 3.45 | <0.05 | 13.20 | 0.730 | 0.74 | 2.9 |
| R613637 | | 0.6 | 2.4 | <0.002 | <0.01 | 0.06 | 0.2 | 2 | <0.2 | 79.3 | <0.05 | <0.05 | 0.15 | 0.005 | 0.02 | 0.2 |
| R613638 | | 5.7 | 141.0 | 0.002 | 0.14 | 1.32 | 14.8 | 1 | 4.1 | 53.7 | 4.58 | <0.05 | 14.15 | 0.777 | 0.66 | 1.8 |
| R613639 | | 5.1 | 135.0 | 0.002 | 0.12 | 1.07 | 14.7 | <1 | 4.0 | 47.1 | 3.71 | <0.05 | 13.70 | 0.713 | 0.65 | 2.0 |
| R613640 | | 6.3 | 148.5 | 0.006 | 0.18 | 1.34 | 17.1 | 1 | 4.6 | 60.7 | 3.69 | <0.05 | 16.25 | 0.781 | 0.71 | 3.1 |

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

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Project: Rau


**Finalized Date: 27-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213736

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613601 | | 169 | 2.9 | 10.4 | 64 | 55.1 |
| R613602 | | 179 | 3.2 | 11.2 | 56 | 87.9 |
| R613603 | | 148 | 4.4 | 9.8 | 59 | 43.5 |
| R613604 | | 160 | 3.9 | 10.4 | 53 | 58.7 |
| R613605 | | 152 | 3.0 | 9.7 | 34 | 78.7 |
| R613606 | | 202 | 3.1 | 12.0 | 33 | 133.5 |
| R613607 | | 52 | 11.0 | 16.5 | 2700 | 58.2 |
| R613608 | | 198 | 4.0 | 9.7 | 72 | 54.8 |
| R613609 | | 202 | 4.3 | 9.7 | 84 | 37.5 |
| R613610 | | 211 | 4.6 | 10.1 | 79 | 42.0 |
| R613611 | | 194 | 4.3 | 10.4 | 44 | 36.3 |
| R613612 | | 180 | 4.3 | 10.9 | 34 | 49.1 |
| R613613 | | 211 | 5.4 | 14.4 | 30 | 64.4 |
| R613614 | | 174 | 3.5 | 12.2 | 37 | 72.9 |
| R613615 | | 174 | 3.7 | 12.4 | 36 | 75.5 |
| R613616 | | 205 | 4.7 | 15.3 | 39 | 137.5 |
| R613617 | | 175 | 4.6 | 16.1 | 41 | 160.0 |
| R613618 | | 166 | 3.6 | 12.9 | 35 | 126.0 |
| R613619 | | 151 | 3.1 | 15.4 | 44 | 113.5 |
| R613620 | | 108 | 2.4 | 11.8 | 43 | 72.1 |
| R613621 | | 110 | 2.8 | 12.1 | 48 | 78.1 |
| R613622 | | 50 | 12.6 | 17.5 | 2680 | 56.9 |
| R613623 | | 161 | 3.5 | 19.1 | 43 | 154.0 |
| R613624 | | 175 | 3.8 | 13.9 | 51 | 104.5 |
| R613625 | | 148 | 3.6 | 16.0 | 72 | 77.4 |
| R613626 | | 209 | 4.6 | 16.3 | 59 | 105.0 |
| R613627 | | 164 | 3.8 | 14.7 | 49 | 111.0 |
| R613628 | | 169 | 3.6 | 13.7 | 53 | 85.3 |
| R613629 | | 164 | 3.4 | 13.1 | 57 | 81.1 |
| R613630 | | 173 | 3.2 | 14.6 | 36 | 145.5 |
| R613631 | | 218 | 3.6 | 18.2 | 34 | 149.0 |
| R613632 | | 166 | 3.8 | 14.9 | 52 | 120.0 |
| R613633 | | 162 | 3.7 | 14.6 | 48 | 107.5 |
| R613634 | | 132 | 3.3 | 16.9 | 48 | 163.5 |
| R613635 | | 125 | 3.7 | 15.3 | 52 | 99.1 |
| R613636 | | 124 | 2.9 | 16.3 | 48 | 151.5 |
| R613637 | | 1 | <0.1 | 2.4 | 3 | 2.6 |
| R613638 | | 117 | 3.2 | 16.5 | 53 | 93.0 |
| R613639 | | 112 | 3.3 | 16.3 | 59 | 138.0 |
| R613640 | | 128 | 6.2 | 19.6 | 60 | 166.0 |

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

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To: **ATAC RESOURCES LTD.**
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Project: Rau


**Finalized Date: 27-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213736

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

ALS Canada Ltd.

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**Finalized Date: 27-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20213737

Project: Rau

P.O. No.: R20-D23

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213737

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233401 | | 3.00 | 0.02 | 0.10 | 6.34 | 175.5 | 1970 | 2.44 | 0.48 | 0.17 | 0.03 | 90.1 | 12.4 | 75 | 6.14 | 5.4 |
| W233402 | | 0.16 | 1.31 | 66.8 | 7.26 | 29.9 | 4260 | 1.06 | 0.13 | 1.89 | 14.25 | 27.4 | 4.7 | 18 | 0.40 | 214 |
| W233403 | | 2.22 | 0.01 | 0.08 | 1.99 | 208 | 490 | 0.70 | 0.57 | 0.47 | 0.02 | 57.0 | 10.6 | 57 | 1.13 | 5.2 |
| W233404 | | 1.54 | 0.01 | 0.06 | 2.47 | 270 | 550 | 0.85 | 1.09 | 0.07 | <0.02 | 61.3 | 15.7 | 55 | 1.32 | 9.7 |
| W233405 | | 4.72 | 0.02 | 0.06 | 7.00 | 173.0 | 2140 | 2.62 | 1.12 | 0.13 | <0.02 | 124.5 | 12.8 | 89 | 8.97 | 9.0 |
| W233406 | | 2.23 | 0.01 | <0.01 | 7.38 | 135.5 | 2310 | 2.61 | 0.40 | 0.16 | <0.02 | 118.0 | 12.7 | 84 | 12.55 | 5.1 |
| W233407 | | 4.04 | 0.02 | 0.02 | 1.64 | 219 | 430 | 0.56 | 0.29 | 0.36 | 0.04 | 52.2 | 7.7 | 58 | 1.41 | 6.1 |
| W233408 | | 0.16 | 5.29 | 11.65 | 6.49 | 798 | 180 | 0.85 | 5.84 | 4.07 | 10.75 | 29.7 | 24.7 | 35 | 1.46 | 2240 |
| W233409 | | 1.19 | 0.02 | 0.03 | 0.96 | 173.0 | 240 | 0.34 | 0.20 | 0.55 | 0.04 | 48.2 | 6.5 | 52 | 1.07 | 8.2 |
| W233410 | | 3.01 | 0.02 | <0.01 | 7.25 | 73.3 | 2230 | 2.61 | 0.15 | 0.19 | <0.02 | 110.5 | 10.3 | 87 | 9.59 | 2.4 |
| W233411 | | 2.50 | 0.01 | 0.04 | 1.68 | 53.4 | 440 | 0.66 | 0.19 | 0.37 | 0.04 | 55.5 | 6.2 | 54 | 2.25 | 13.2 |
| W233412 | | 1.84 | 0.03 | 0.01 | 6.81 | 62.0 | 2130 | 2.64 | 0.11 | 0.26 | <0.02 | 109.5 | 3.9 | 76 | 11.75 | 3.2 |
| W233413 | | 3.46 | 0.05 | 0.21 | 2.69 | 308 | 780 | 1.01 | 0.37 | 1.25 | 0.05 | 61.3 | 11.1 | 52 | 2.97 | 10.7 |
| W233414 | | 5.06 | 0.08 | 6.33 | 5.60 | 164.5 | 1630 | 2.00 | 0.61 | 1.69 | <0.02 | 96.5 | 8.8 | 61 | 3.82 | 15.3 |
| W233415 | | 2.32 | 0.04 | 0.38 | 4.19 | 373 | 1190 | 1.50 | 0.62 | 1.02 | 0.03 | 67.4 | 13.4 | 55 | 2.58 | 63.1 |
| W233416 | | 1.30 | 0.42 | 0.10 | 0.84 | 549 | 220 | 0.39 | 0.61 | 2.36 | 0.05 | 36.3 | 22.1 | 28 | 0.45 | 96.4 |
| W233417 | | 4.95 | 0.04 | 0.07 | 6.68 | 448 | 1970 | 2.81 | 1.08 | 1.01 | <0.02 | 113.0 | 21.6 | 69 | 4.94 | 21.6 |
| W233418 | | 6.75 | 0.04 | 0.09 | 7.56 | 1020 | 2030 | 2.98 | 1.97 | 1.43 | <0.02 | 123.0 | 38.3 | 74 | 4.70 | 14.4 |
| W233419 | | 4.01 | 0.04 | 0.06 | 8.01 | 1330 | 2150 | 3.09 | 1.63 | 0.33 | <0.02 | 120.5 | 28.5 | 77 | 4.32 | 4.8 |
| W233420 | | 1.73 | 0.01 | 0.09 | 4.38 | 1710 | 1280 | 1.84 | 1.33 | 0.10 | 0.13 | 72.1 | 17.3 | 59 | 2.70 | 9.4 |
| W233421 | | 1.68 | <0.01 | 0.01 | 5.80 | 672 | 1730 | 2.35 | 0.22 | 0.06 | <0.02 | 99.4 | 4.6 | 68 | 3.81 | 1.4 |
| W233422 | | 1.23 | 0.01 | 0.03 | 1.38 | 396 | 310 | 0.50 | 0.22 | 0.03 | 0.04 | 50.8 | 3.0 | 39 | 0.67 | 1.8 |
| W233423 | | 1.22 | 0.01 | 0.11 | 1.70 | 692 | 360 | 0.58 | 0.33 | 0.09 | 0.12 | 58.3 | 6.3 | 37 | 0.72 | 13.0 |
| W233424 | | 0.65 | <0.01 | 0.07 | 0.38 | 598 | 30 | 0.17 | 0.23 | 0.08 | 0.16 | 40.0 | 3.6 | 38 | 0.11 | 5.4 |
| W233425 | | 2.08 | <0.01 | 0.03 | 5.37 | 693 | 1420 | 2.06 | 0.21 | 0.10 | 0.11 | 99.4 | 5.2 | 59 | 3.05 | 10.3 |
| W233426 | | 1.26 | <0.01 | 0.02 | 0.92 | 1070 | 190 | 0.32 | 0.17 | 0.05 | <0.02 | 39.1 | 6.5 | 37 | 0.32 | 2.9 |
| W233427 | | 0.87 | <0.01 | 0.04 | 1.75 | 393 | 200 | 0.54 | 0.16 | 0.05 | 0.04 | 35.8 | 2.9 | 48 | 0.38 | 4.3 |
| W233428 | | 2.84 | 0.01 | 0.02 | 5.52 | 1150 | 1510 | 2.13 | 0.57 | 0.05 | <0.02 | 117.5 | 6.4 | 81 | 2.67 | 12.8 |
| W233429 | | 0.85 | 0.01 | 0.02 | 4.83 | 1200 | 1450 | 1.84 | 0.65 | 0.07 | <0.02 | 91.6 | 10.2 | 66 | 2.63 | 1.9 |
| W233430 | | 2.18 | 0.01 | 0.03 | 3.03 | 4090 | 910 | 1.18 | 0.74 | 0.35 | 0.03 | 67.6 | 24.3 | 58 | 1.70 | 1.3 |
| W233431 | | 0.89 | 0.01 | 0.09 | 6.93 | 1330 | 1990 | 2.81 | 0.60 | 0.05 | <0.02 | 53.8 | 7.7 | 78 | 4.28 | 11.5 |
| W233432 | | 0.54 | 0.01 | 0.17 | 4.84 | 4860 | 440 | 1.93 | 1.63 | 0.18 | <0.02 | 57.0 | 28.1 | 63 | 2.83 | 14.7 |
| W233433 | | 0.60 | 0.03 | 0.22 | 4.34 | 4630 | 330 | 1.67 | 1.94 | 0.16 | 0.03 | 43.4 | 27.8 | 55 | 2.42 | 23.8 |
| W233434 | | 4.27 | 1.29 | 0.93 | 0.13 | 5650 | 20 | 0.05 | 4.81 | 0.03 | 0.08 | 2.11 | 18.4 | 29 | 0.30 | 89.7 |
| W233435 | | 2.47 | 0.37 | 1.81 | 0.78 | >10000 | 10 | 0.32 | 11.60 | 0.12 | 0.07 | 12.35 | 62.0 | 20 | 0.48 | 94.5 |
| W233436 | | <0.02 | 0.38 | 1.83 | 0.81 | >10000 | 10 | 0.31 | 11.70 | 0.13 | 0.06 | 12.05 | 62.6 | 23 | 0.49 | 88.9 |
| W233437 | | 0.85 | <0.01 | 0.01 | 0.06 | 34.6 | 20 | 0.07 | 0.08 | 35.0 | <0.02 | 0.87 | 1.4 | 2 | <0.05 | 19.2 |
| W233438 | | 1.84 | 0.05 | 0.30 | 8.55 | 6570 | 2190 | 3.20 | 1.87 | 0.12 | 0.14 | 138.5 | 38.6 | 81 | 5.70 | 8.1 |
| W233439 | | 1.91 | 0.19 | 0.13 | 3.65 | 1030 | 780 | 1.38 | 0.77 | 4.91 | 0.03 | 110.5 | 12.5 | 47 | 2.28 | 66.9 |
| W233440 | | 1.98 | 0.01 | 0.12 | 1.27 | 920 | 190 | 0.49 | 0.70 | 1.13 | 0.06 | 41.3 | 9.7 | 43 | 0.45 | 33.2 |

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

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**Finalized Date: 27-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213737

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233401 | | 2.99 | 17.65 | 0.14 | 1.7 | 0.058 | 3.04 | 42.7 | 10.7 | 0.48 | 524 | 0.63 | 0.06 | 20.0 | 28.9 | 580 |
| W233402 | | 2.60 | 14.40 | 0.13 | 2.0 | 0.037 | 1.47 | 14.8 | 2.5 | 0.57 | 752 | 6.75 | 3.32 | 5.9 | 8.3 | 520 |
| W233403 | | 3.21 | 5.32 | 0.06 | 0.5 | 0.027 | 0.74 | 25.3 | 4.4 | 0.45 | 1000 | 0.54 | 0.03 | 6.3 | 14.5 | 440 |
| W233404 | | 4.51 | 6.69 | 0.07 | 0.6 | 0.026 | 0.86 | 29.1 | 7.7 | 0.47 | 613 | 0.48 | 0.03 | 7.5 | 28.0 | 140 |
| W233405 | | 4.34 | 19.55 | 0.16 | 1.6 | 0.063 | 3.39 | 59.8 | 16.9 | 0.80 | 368 | 0.40 | 0.06 | 25.8 | 30.5 | 370 |
| W233406 | | 4.77 | 20.1 | 0.17 | 1.6 | 0.070 | 3.75 | 57.0 | 17.9 | 0.98 | 333 | 0.32 | 0.06 | 27.7 | 35.6 | 370 |
| W233407 | | 3.16 | 4.45 | 0.06 | 0.5 | 0.023 | 0.70 | 25.1 | 4.9 | 0.45 | 1060 | 0.44 | 0.02 | 7.6 | 16.7 | 130 |
| W233408 | | 10.95 | 14.85 | 0.12 | 1.0 | 1.105 | 1.95 | 14.6 | 11.1 | 1.31 | 1090 | 30.4 | 1.78 | 3.4 | 16.6 | 1180 |
| W233409 | | 3.54 | 2.78 | <0.05 | 0.3 | 0.027 | 0.44 | 22.6 | 3.4 | 0.51 | 1470 | 0.58 | 0.01 | 4.5 | 16.5 | 120 |
| W233410 | | 3.65 | 19.40 | 0.14 | 1.5 | 0.061 | 3.59 | 53.9 | 13.5 | 0.78 | 389 | 0.33 | 0.06 | 26.3 | 25.3 | 390 |
| W233411 | | 3.07 | 4.88 | 0.06 | 0.5 | 0.025 | 0.80 | 26.2 | 5.1 | 0.42 | 789 | 0.59 | 0.02 | 7.5 | 13.9 | 160 |
| W233412 | | 3.37 | 19.90 | 0.14 | 1.6 | 0.056 | 3.47 | 53.1 | 14.9 | 0.87 | 339 | 0.29 | 0.06 | 25.5 | 18.1 | 330 |
| W233413 | | 2.65 | 7.77 | 0.08 | 0.7 | 0.022 | 1.29 | 29.6 | 5.6 | 0.71 | 807 | 0.56 | 0.03 | 8.6 | 26.5 | 190 |
| W233414 | | 2.34 | 15.65 | 0.14 | 1.2 | 0.049 | 2.69 | 46.3 | 9.4 | 0.97 | 837 | 0.30 | 0.06 | 15.0 | 38.1 | 230 |
| W233415 | | 2.72 | 11.60 | 0.12 | 1.1 | 0.035 | 2.01 | 32.8 | 6.3 | 0.57 | 544 | 0.47 | 0.04 | 10.0 | 28.5 | 270 |
| W233416 | | 5.04 | 2.46 | 0.06 | 0.2 | 0.015 | 0.40 | 16.3 | 1.5 | 0.88 | 1240 | 0.41 | 0.01 | 1.1 | 42.5 | 540 |
| W233417 | | 2.15 | 19.60 | 0.16 | 2.7 | 0.053 | 3.33 | 53.1 | 12.5 | 0.64 | 395 | 1.05 | 0.05 | 20.5 | 50.8 | 1260 |
| W233418 | | 2.24 | 21.8 | 0.22 | 2.0 | 0.057 | 3.73 | 60.5 | 12.6 | 0.92 | 638 | 0.33 | 0.06 | 27.4 | 58.3 | 610 |
| W233419 | | 1.93 | 23.7 | 0.21 | 2.0 | 0.061 | 3.91 | 60.3 | 10.1 | 0.44 | 171 | 0.36 | 0.07 | 30.2 | 47.3 | 630 |
| W233420 | | 2.50 | 13.50 | 0.14 | 1.1 | 0.042 | 2.00 | 37.1 | 4.6 | 0.28 | 218 | 0.63 | 0.05 | 11.0 | 26.6 | 200 |
| W233421 | | 1.05 | 17.50 | 0.17 | 1.5 | 0.048 | 2.72 | 50.4 | 6.2 | 0.35 | 119 | 0.35 | 0.07 | 14.9 | 11.4 | 180 |
| W233422 | | 1.44 | 4.39 | 0.09 | 0.5 | 0.009 | 0.51 | 25.4 | 1.5 | 0.13 | 145 | 0.57 | 0.03 | 4.4 | 8.5 | 100 |
| W233423 | | 1.40 | 5.36 | 0.10 | 0.6 | 0.015 | 0.58 | 29.0 | 1.7 | 0.21 | 153 | 0.45 | 0.05 | 5.3 | 13.1 | 160 |
| W233424 | | 1.88 | 1.55 | 0.07 | 0.3 | 0.006 | 0.05 | 20.0 | 0.3 | 0.11 | 230 | 0.64 | 0.02 | 1.9 | 8.8 | 150 |
| W233425 | | 1.11 | 16.20 | 0.17 | 1.2 | 0.040 | 2.52 | 48.3 | 5.5 | 0.31 | 101 | 0.38 | 0.06 | 11.6 | 9.3 | 300 |
| W233426 | | 2.10 | 2.92 | 0.08 | 0.3 | 0.083 | 0.30 | 20.1 | 0.7 | 0.11 | 382 | 0.49 | 0.03 | 2.5 | 9.8 | 140 |
| W233427 | | 2.97 | 5.53 | 0.09 | 0.7 | 0.026 | 0.35 | 18.5 | 1.4 | 0.32 | 309 | 0.52 | 0.09 | 5.9 | 8.2 | 60 |
| W233428 | | 2.61 | 16.65 | 0.16 | 1.4 | 0.045 | 2.54 | 59.1 | 5.2 | 0.30 | 282 | 0.75 | 0.07 | 13.4 | 14.3 | 120 |
| W233429 | | 1.32 | 14.20 | 0.16 | 1.5 | 0.039 | 2.29 | 46.6 | 4.7 | 0.23 | 138 | 0.46 | 0.05 | 18.2 | 22.3 | 260 |
| W233430 | | 1.57 | 9.13 | 0.14 | 0.8 | 0.026 | 1.38 | 33.7 | 3.8 | 0.31 | 266 | 0.42 | 0.04 | 8.2 | 20.9 | 160 |
| W233431 | | 2.70 | 21.6 | 0.15 | 2.0 | 0.070 | 3.35 | 28.8 | 8.5 | 0.40 | 263 | 0.37 | 0.07 | 13.6 | 10.7 | 120 |
| W233432 | | 8.60 | 15.50 | 0.14 | 1.0 | 0.061 | 2.06 | 29.1 | 6.0 | 0.52 | 923 | 0.62 | 0.08 | 4.5 | 18.6 | 390 |
| W233433 | | 7.58 | 13.60 | 0.12 | 1.0 | 0.046 | 1.81 | 22.3 | 5.1 | 0.45 | 752 | 0.42 | 0.08 | 4.6 | 27.7 | 340 |
| W233434 | | 9.94 | 0.63 | 0.06 | <0.1 | 0.012 | 0.04 | 1.1 | 0.3 | 0.05 | 288 | 0.64 | 0.01 | 0.2 | 23.6 | 30 |
| W233435 | | 29.9 | 2.60 | 0.16 | 0.3 | 0.247 | 0.31 | 5.2 | 1.0 | 0.44 | 2560 | 0.51 | 0.02 | 1.5 | 66.2 | 70 |
| W233436 | | 30.5 | 2.66 | 0.12 | 0.3 | 0.282 | 0.31 | 5.1 | 1.0 | 0.46 | 2690 | 0.67 | 0.02 | 1.6 | 68.8 | 70 |
| W233437 | | 0.23 | 0.21 | <0.05 | <0.1 | <0.005 | 0.01 | 1.1 | 0.9 | 1.95 | 122 | <0.05 | 0.03 | 0.1 | 0.8 | 60 |
| W233438 | | 3.42 | 26.0 | 0.14 | 3.2 | 0.172 | 4.19 | 70.8 | 7.7 | 0.49 | 950 | 1.46 | 0.07 | 14.0 | 44.5 | 190 |
| W233439 | | 3.92 | 11.50 | 0.10 | 0.8 | 0.124 | 1.53 | 57.5 | 4.0 | 2.11 | 1810 | 0.68 | 0.07 | 4.6 | 9.9 | 240 |
| W233440 | | 2.68 | 4.29 | <0.05 | 0.4 | 0.049 | 0.32 | 21.6 | 0.9 | 0.63 | 748 | 0.79 | 0.05 | 3.0 | 8.2 | 100 |

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

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**Finalized Date: 27-NOV-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20213737

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233401 | | 2.0 | 139.0 | 0.002 | 0.23 | 0.88 | 10.9 | 1 | 10.9 | 28.8 | 1.18 | <0.05 | 13.90 | 0.466 | 0.78 | 1.6 |
| W233402 | | 1540 | 31.6 | 0.010 | 0.51 | 111.0 | 7.1 | 3 | 1.8 | 210 | 0.39 | <0.05 | 2.99 | 0.205 | 0.37 | 1.9 |
| W233403 | | 2.1 | 28.8 | <0.002 | 0.39 | 0.63 | 3.0 | 1 | 4.9 | 18.2 | 0.36 | <0.05 | 6.31 | 0.172 | 0.19 | 0.7 |
| W233404 | | 2.3 | 34.6 | 0.004 | 1.03 | 0.88 | 3.6 | 1 | 5.4 | 13.7 | 0.47 | 0.06 | 9.59 | 0.195 | 0.24 | 1.5 |
| W233405 | | 2.1 | 158.0 | 0.002 | 0.66 | 0.85 | 11.9 | 1 | 13.4 | 29.1 | 1.48 | 0.05 | 16.90 | 0.565 | 1.09 | 1.8 |
| W233406 | | 1.3 | 186.5 | <0.002 | 0.19 | 0.47 | 12.1 | 1 | 13.8 | 26.7 | 1.52 | <0.05 | 15.10 | 0.609 | 1.38 | 1.4 |
| W233407 | | 1.7 | 31.5 | 0.003 | 0.35 | 0.68 | 2.4 | 1 | 3.3 | 10.7 | 0.47 | <0.05 | 7.99 | 0.215 | 0.20 | 1.0 |
| W233408 | | 881 | 56.2 | 0.024 | 8.05 | 64.0 | 9.6 | 22 | 4.5 | 498 | 0.18 | 0.59 | 3.90 | 0.252 | 4.25 | 2.0 |
| W233409 | | 2.0 | 21.5 | <0.002 | 0.29 | 0.63 | 1.6 | 1 | 2.7 | 8.8 | 0.28 | <0.05 | 7.15 | 0.154 | 0.15 | 0.6 |
| W233410 | | 1.4 | 169.5 | <0.002 | 0.07 | 0.40 | 11.4 | 1 | 11.5 | 26.0 | 1.49 | <0.05 | 16.05 | 0.596 | 1.13 | 1.4 |
| W233411 | | 2.3 | 42.8 | <0.002 | 0.28 | 0.64 | 2.7 | 1 | 5.1 | 11.3 | 0.46 | <0.05 | 7.78 | 0.184 | 0.30 | 0.6 |
| W233412 | | 1.0 | 178.5 | <0.002 | 0.09 | 0.39 | 11.9 | 1 | 12.8 | 25.6 | 1.47 | <0.05 | 15.75 | 0.525 | 1.17 | 1.5 |
| W233413 | | 1.9 | 64.4 | 0.002 | 0.34 | 0.62 | 4.6 | 1 | 6.0 | 23.8 | 0.54 | 0.05 | 9.15 | 0.209 | 0.38 | 1.0 |
| W233414 | | 2.4 | 120.5 | 0.003 | 0.63 | 0.81 | 8.9 | 1 | 11.4 | 34.0 | 0.77 | <0.05 | 13.05 | 0.313 | 0.56 | 1.2 |
| W233415 | | 1.7 | 85.6 | 0.003 | 0.87 | 0.70 | 7.0 | 1 | 12.3 | 22.8 | 0.61 | 0.12 | 10.10 | 0.250 | 0.40 | 1.4 |
| W233416 | | 2.4 | 17.3 | 0.005 | 2.30 | 1.00 | 1.4 | 2 | 1.9 | 24.8 | 0.07 | 0.08 | 2.26 | 0.033 | 0.12 | 0.8 |
| W233417 | | 1.4 | 149.5 | 0.004 | 0.73 | 0.94 | 12.2 | 1 | 16.2 | 34.9 | 1.03 | 0.12 | 13.50 | 0.427 | 0.66 | 2.6 |
| W233418 | | 1.5 | 157.0 | 0.003 | 0.86 | 1.55 | 13.6 | 1 | 21.1 | 33.6 | 1.34 | 0.17 | 14.70 | 0.506 | 0.72 | 1.8 |
| W233419 | | 1.3 | 161.5 | 0.002 | 0.94 | 1.40 | 13.7 | 2 | 25.2 | 28.4 | 1.52 | 0.16 | 14.60 | 0.547 | 0.70 | 1.8 |
| W233420 | | 5.0 | 85.3 | 0.003 | 0.69 | 1.00 | 7.2 | 1 | 11.6 | 16.3 | 0.61 | 0.10 | 9.81 | 0.238 | 0.40 | 1.4 |
| W233421 | | 1.5 | 117.0 | <0.002 | 0.09 | 0.36 | 9.2 | <1 | 13.2 | 17.9 | 0.80 | <0.05 | 14.70 | 0.336 | 0.47 | 1.3 |
| W233422 | | 2.1 | 23.1 | 0.004 | 0.17 | 0.30 | 2.2 | 1 | 4.1 | 7.4 | 0.31 | 0.05 | 6.97 | 0.129 | 0.12 | 0.7 |
| W233423 | | 2.1 | 24.7 | 0.006 | 0.29 | 0.47 | 2.7 | 1 | 5.9 | 11.4 | 0.35 | 0.06 | 7.59 | 0.154 | 0.12 | 0.7 |
| W233424 | | 3.0 | 1.8 | 0.007 | 0.30 | 0.33 | 0.6 | 1 | 1.2 | 5.7 | 0.11 | <0.05 | 4.15 | 0.060 | 0.02 | 0.5 |
| W233425 | | 2.9 | 109.0 | 0.008 | 0.17 | 0.40 | 8.0 | 1 | 15.4 | 16.8 | 0.64 | <0.05 | 13.65 | 0.282 | 0.48 | 1.1 |
| W233426 | | 1.5 | 11.4 | 0.002 | 0.21 | 0.32 | 1.2 | 1 | 2.4 | 6.6 | 0.15 | 0.07 | 4.78 | 0.074 | 0.07 | 0.5 |
| W233427 | | 2.1 | 13.2 | 0.006 | 0.26 | 0.38 | 2.5 | 1 | 6.5 | 14.5 | 0.35 | <0.05 | 8.16 | 0.163 | 0.08 | 1.5 |
| W233428 | | 1.5 | 103.5 | 0.008 | 0.47 | 0.45 | 8.1 | 1 | 16.9 | 17.8 | 0.74 | 0.06 | 18.50 | 0.310 | 0.48 | 1.4 |
| W233429 | | 1.8 | 93.2 | 0.009 | 0.11 | 0.51 | 6.8 | 1 | 13.4 | 15.9 | 0.95 | 0.05 | 12.00 | 0.374 | 0.43 | 1.5 |
| W233430 | | 1.8 | 56.3 | 0.004 | 0.28 | 0.75 | 4.1 | 1 | 9.7 | 10.2 | 0.52 | 0.26 | 8.70 | 0.212 | 0.28 | 0.8 |
| W233431 | | 4.3 | 146.5 | 0.004 | 0.72 | 0.88 | 11.5 | 1 | 23.3 | 16.2 | 0.73 | 0.13 | 8.17 | 0.315 | 0.65 | 1.8 |
| W233432 | | 5.8 | 91.9 | 0.005 | 1.70 | 1.00 | 8.7 | 2 | 17.0 | 20.3 | 0.25 | 0.51 | 8.99 | 0.138 | 0.39 | 2.0 |
| W233433 | | 7.8 | 79.8 | 0.009 | 2.14 | 0.97 | 7.6 | 2 | 16.5 | 18.5 | 0.26 | 0.48 | 7.54 | 0.140 | 0.36 | 3.2 |
| W233434 | | 8.3 | 1.5 | <0.002 | 5.63 | 0.99 | 0.3 | 4 | 1.5 | 2.2 | <0.05 | 1.34 | 0.39 | 0.005 | 0.03 | 0.2 |
| W233435 | | 18.7 | 13.1 | <0.002 | >10.0 | 1.99 | 1.9 | 16 | 7.9 | 4.1 | 0.08 | 1.59 | 2.18 | 0.037 | 0.07 | 0.4 |
| W233436 | | 19.2 | 13.5 | <0.002 | >10.0 | 2.08 | 2.0 | 16 | 7.0 | 4.3 | 0.09 | 1.64 | 2.08 | 0.041 | 0.08 | 0.4 |
| W233437 | | <0.5 | 0.5 | <0.002 | 0.07 | <0.05 | 0.1 | 1 | 0.2 | 86.0 | <0.05 | <0.05 | 0.05 | <0.005 | <0.02 | 0.1 |
| W233438 | | 10.6 | 191.5 | 0.003 | 0.85 | 1.14 | 12.6 | 2 | 22.0 | 19.8 | 0.79 | 0.30 | 22.3 | 0.319 | 0.83 | 2.0 |
| W233439 | | 4.0 | 68.3 | 0.003 | 1.71 | 1.27 | 9.7 | 1 | 20.6 | 30.5 | 0.28 | 0.12 | 12.05 | 0.133 | 0.30 | 0.9 |
| W233440 | | 5.3 | 13.6 | <0.002 | 1.12 | 0.33 | 2.6 | 1 | 7.0 | 17.1 | 0.17 | 0.09 | 4.21 | 0.082 | 0.08 | 0.5 |

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

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

Project: Rau


**Finalized Date: 27-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213737

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233401 | | 157 | 5.5 | 11.1 | 21 | 62.8 |
| W233402 | | 54 | 10.8 | 17.4 | 2780 | 59.3 |
| W233403 | | 37 | 2.3 | 5.1 | 15 | 19.8 |
| W233404 | | 33 | 2.5 | 5.4 | 16 | 21.5 |
| W233405 | | 91 | 4.8 | 12.2 | 23 | 58.0 |
| W233406 | | 96 | 4.3 | 13.2 | 24 | 76.9 |
| W233407 | | 24 | 2.0 | 5.0 | 19 | 19.0 |
| W233408 | | 140 | 7.3 | 10.8 | 2260 | 34.5 |
| W233409 | | 15 | 1.8 | 4.9 | 16 | 11.4 |
| W233410 | | 97 | 4.7 | 14.5 | 17 | 55.8 |
| W233411 | | 26 | 1.8 | 5.5 | 15 | 16.4 |
| W233412 | | 83 | 4.7 | 11.4 | 16 | 56.4 |
| W233413 | | 34 | 3.1 | 6.4 | 15 | 24.8 |
| W233414 | | 65 | 15.7 | 11.1 | 8 | 50.0 |
| W233415 | | 63 | 4.3 | 8.1 | 6 | 43.7 |
| W233416 | | 13 | 0.8 | 6.5 | 12 | 9.3 |
| W233417 | | 95 | 5.9 | 16.0 | 10 | 120.0 |
| W233418 | | 106 | 7.4 | 13.1 | 9 | 82.6 |
| W233419 | | 103 | 8.5 | 10.3 | 6 | 81.0 |
| W233420 | | 59 | 3.9 | 5.4 | 32 | 44.1 |
| W233421 | | 71 | 4.9 | 7.0 | 11 | 60.1 |
| W233422 | | 19 | 1.6 | 3.3 | 9 | 18.5 |
| W233423 | | 23 | 2.1 | 3.6 | 26 | 21.8 |
| W233424 | | 6 | 0.7 | 3.0 | 37 | 8.0 |
| W233425 | | 62 | 4.3 | 6.4 | 27 | 53.3 |
| W233426 | | 11 | 0.9 | 2.9 | 6 | 10.3 |
| W233427 | | 23 | 2.8 | 3.3 | 13 | 30.0 |
| W233428 | | 67 | 5.2 | 6.9 | 10 | 53.4 |
| W233429 | | 67 | 5.9 | 6.0 | 11 | 61.4 |
| W233430 | | 45 | 3.6 | 4.7 | 8 | 33.0 |
| W233431 | | 104 | 6.4 | 4.7 | 13 | 74.9 |
| W233432 | | 75 | 3.6 | 5.0 | 11 | 42.4 |
| W233433 | | 67 | 3.4 | 4.3 | 11 | 41.1 |
| W233434 | | 2 | 0.2 | 0.3 | 11 | 1.1 |
| W233435 | | 13 | 0.9 | 4.3 | 15 | 9.8 |
| W233436 | | 13 | 1.0 | 4.2 | 15 | 11.3 |
| W233437 | | 1 | <0.1 | 1.8 | 4 | 1.2 |
| W233438 | | 97 | 6.1 | 8.7 | 32 | 95.6 |
| W233439 | | 52 | 3.1 | 8.9 | 20 | 24.0 |
| W233440 | | 21 | 1.5 | 3.7 | 15 | 15.7 |

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

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

Project: Rau


**Finalized Date: 27-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213737

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 28-NOV-2020**
**Account: RCM**

# CERTIFICATE WH20213743

Project: Rau

P.O. No.: R20-D24

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 23-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 28-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213743

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613641 | | 5.50 | <0.01 | 0.07 | 7.32 | 54.1 | 2600 | 2.28 | 1.51 | 1.26 | 0.23 | 102.5 | 23.5 | 50 | 5.11 | 46.4 |
| R613642 | | 4.82 | <0.01 | 0.06 | 7.01 | 65.2 | 2470 | 2.25 | 1.14 | 1.91 | 0.22 | 93.6 | 21.6 | 50 | 4.96 | 34.1 |
| R613643 | | 4.53 | <0.01 | 0.08 | 7.32 | 69.2 | 2230 | 2.29 | 1.64 | 1.42 | 0.16 | 122.0 | 20.6 | 50 | 3.69 | 42.9 |
| R613644 | | 3.14 | 0.01 | 0.10 | 7.35 | 73.3 | 2360 | 2.33 | 2.62 | 1.57 | 0.15 | 113.0 | 21.3 | 54 | 4.59 | 63.2 |
| R613645 | | 1.88 | 0.01 | 0.16 | 7.23 | 65.8 | 650 | 2.37 | 3.60 | 2.05 | 0.12 | 106.0 | 29.7 | 55 | 4.19 | 85.0 |
| R613646 | | 5.41 | 0.01 | 0.11 | 6.77 | 40.2 | 990 | 2.18 | 3.23 | 1.96 | 0.21 | 94.9 | 19.7 | 54 | 4.42 | 72.7 |
| R613647 | | 2.86 | 0.01 | 0.22 | 7.39 | 30.0 | 370 | 2.41 | 4.81 | 0.73 | 0.21 | 107.0 | 28.5 | 53 | 4.58 | 124.0 |
| R613648 | | 1.16 | 0.02 | 0.27 | 6.67 | 419 | 410 | 1.86 | 5.13 | 1.97 | 0.28 | 136.5 | 56.7 | 60 | 4.53 | 132.0 |
| R613649 | | <0.02 | 0.02 | 0.28 | 6.80 | 479 | 300 | 1.97 | 6.00 | 2.04 | 0.30 | 132.0 | 64.4 | 59 | 4.69 | 140.0 |
| R613650 | | 3.56 | 0.01 | 0.11 | 7.62 | 60.2 | 2400 | 2.44 | 1.70 | 0.95 | 0.50 | 110.5 | 13.3 | 65 | 5.75 | 37.7 |
| R613651 | | 4.14 | 0.01 | 0.10 | 7.64 | 73.2 | 2280 | 2.58 | 2.11 | 0.94 | 0.26 | 103.0 | 17.8 | 62 | 4.96 | 42.8 |
| R613652 | | 5.82 | <0.01 | 0.03 | 6.62 | 92.7 | 1620 | 2.08 | 1.05 | 1.44 | 0.24 | 80.2 | 15.6 | 53 | 3.08 | 29.5 |
| R613653 | | 2.80 | <0.01 | 0.08 | 6.38 | 108.5 | 1500 | 1.80 | 1.94 | 0.99 | 0.35 | 91.1 | 15.3 | 56 | 1.95 | 35.8 |
| R613654 | | 0.16 | 0.68 | 1.50 | 7.45 | 27.3 | 870 | 0.98 | 0.19 | 1.96 | 1.05 | 25.6 | 4.6 | 14 | 0.33 | 45.0 |
| R613655 | | 1.27 | <0.01 | 0.05 | 8.05 | 37.0 | 2070 | 2.32 | 1.59 | 1.70 | 0.26 | 97.6 | 9.7 | 64 | 2.85 | 24.5 |
| R613656 | | 3.74 | <0.01 | 0.07 | 7.23 | 130.0 | 1690 | 2.33 | 1.75 | 1.53 | 0.34 | 109.0 | 16.6 | 63 | 2.85 | 31.2 |
| R613657 | | 1.41 | 0.01 | 0.11 | 7.04 | 105.5 | 1620 | 2.09 | 1.72 | 1.51 | 0.36 | 91.7 | 15.9 | 55 | 2.31 | 33.8 |
| R613658 | | 1.44 | <0.01 | 0.08 | 6.49 | 129.5 | 1550 | 1.94 | 1.14 | 1.12 | 0.32 | 92.1 | 16.5 | 52 | 2.14 | 28.4 |
| R613659 | | 4.49 | <0.01 | 0.06 | 8.53 | 86.1 | 2190 | 2.92 | 2.12 | 0.80 | 0.21 | 118.5 | 16.8 | 61 | 3.87 | 18.7 |
| R613660 | | 1.14 | <0.01 | 0.07 | 7.04 | 109.0 | 940 | 2.46 | 4.28 | 0.97 | 0.24 | 80.5 | 20.7 | 53 | 3.39 | 56.0 |
| R613661 | | 0.52 | <0.01 | 0.04 | 7.49 | 38.0 | 1660 | 2.53 | 0.64 | 0.64 | 0.12 | 85.5 | 8.3 | 56 | 3.39 | 14.3 |
| R613662 | | 3.78 | <0.01 | 0.05 | 7.46 | 88.9 | 2100 | 2.64 | 1.70 | 0.91 | 0.24 | 99.8 | 15.4 | 59 | 4.72 | 26.8 |
| R613663 | | 4.87 | 0.01 | 0.10 | 6.46 | 69.4 | 1900 | 2.20 | 1.38 | 1.05 | 0.19 | 80.6 | 11.1 | 69 | 3.83 | 34.3 |
| R613664 | | 1.37 | 0.01 | 0.09 | 6.74 | 176.0 | 2080 | 2.62 | 1.15 | 1.25 | 0.11 | 97.8 | 20.6 | 75 | 5.20 | 29.0 |
| R613665 | | 2.33 | 0.01 | 0.09 | 6.45 | 89.5 | 1910 | 2.35 | 1.03 | 0.89 | 0.11 | 88.9 | 11.8 | 69 | 4.39 | 23.0 |
| R613666 | | 1.35 | 0.01 | 0.13 | 5.91 | 158.5 | 290 | 2.02 | 0.92 | 4.61 | 0.24 | 79.3 | 12.8 | 55 | 2.38 | 26.8 |
| R613667 | | 4.75 | 0.01 | 0.05 | 7.56 | 60.6 | 2240 | 2.99 | 1.43 | 0.92 | 0.20 | 104.5 | 12.5 | 62 | 5.39 | 18.0 |
| R613668 | | 0.69 | 0.01 | 0.49 | 5.41 | 60.8 | 1430 | 1.94 | 1.08 | 1.47 | 0.36 | 71.5 | 15.6 | 48 | 3.44 | 29.9 |
| R613669 | | 0.97 | <0.01 | 0.01 | 0.61 | 0.3 | 50 | 0.33 | 0.04 | 30.9 | <0.02 | 2.08 | 0.4 | 2 | 0.15 | 0.8 |
| R613670 | | 1.96 | 0.01 | 0.08 | 7.43 | 46.8 | 1960 | 2.41 | 1.12 | 1.39 | 0.14 | 77.9 | 11.7 | 63 | 3.40 | 15.5 |
| R613671 | | 1.82 | 0.01 | 0.15 | 5.67 | 39.9 | 1300 | 1.54 | 0.41 | 1.86 | 0.17 | 68.4 | 6.6 | 48 | 2.08 | 6.7 |
| R613672 | | 1.33 | 0.01 | 0.61 | 7.37 | 37.9 | 900 | 2.23 | 1.89 | 1.81 | 0.15 | 118.0 | 19.8 | 67 | 4.12 | 32.1 |
| R613673 | | 0.64 | 0.01 | 0.33 | 6.00 | 79.0 | 370 | 2.04 | 3.41 | 2.86 | 0.11 | 81.5 | 21.4 | 58 | 3.95 | 49.0 |
| R613674 | | 4.53 | 0.02 | 0.12 | 5.64 | 90.1 | 130 | 1.77 | 3.76 | 3.57 | 0.13 | 73.6 | 22.5 | 57 | 3.50 | 50.8 |
| R613675 | | 4.86 | 0.01 | 0.10 | 6.50 | 94.4 | 600 | 2.21 | 2.10 | 3.15 | 0.13 | 91.6 | 20.1 | 57 | 4.18 | 30.9 |
| R613676 | | 0.16 | 0.66 | 1.54 | 7.00 | 27.4 | 820 | 1.03 | 0.17 | 1.84 | 1.07 | 26.7 | 4.6 | 13 | 0.36 | 43.6 |
| R613677 | | 5.93 | 0.01 | 0.03 | 6.59 | 49.7 | 1960 | 2.34 | 1.35 | 2.60 | 0.16 | 99.9 | 16.7 | 58 | 4.52 | 16.9 |
| R613678 | | 2.13 | 0.01 | 0.23 | 6.56 | 81.3 | 1390 | 2.27 | 1.40 | 2.82 | 0.28 | 94.3 | 22.5 | 61 | 4.07 | 22.9 |
| R613679 | | 2.08 | 0.01 | 0.64 | 6.61 | 81.7 | 2030 | 2.41 | 1.11 | 2.49 | 0.20 | 116.5 | 16.9 | 65 | 4.66 | 13.0 |
| R613680 | | 1.29 | 0.02 | 1.66 | 7.13 | 165.0 | 1150 | 3.02 | 1.79 | 2.07 | 0.17 | 185.5 | 27.9 | 69 | 5.28 | 17.4 |

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

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Project: Rau


**Finalized Date: 28-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213743

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613641 | | 5.16 | 21.5 | 0.15 | 3.2 | 0.095 | 3.16 | 56.6 | 11.2 | 1.50 | 535 | 1.82 | 0.16 | 53.3 | 35.6 | 1820 |
| R613642 | | 4.25 | 20.9 | 0.15 | 3.4 | 0.083 | 3.04 | 52.9 | 9.8 | 1.58 | 666 | 1.26 | 0.18 | 45.5 | 26.5 | 1590 |
| R613643 | | 5.53 | 22.5 | 0.16 | 2.7 | 0.107 | 2.63 | 67.4 | 11.1 | 1.48 | 643 | 2.29 | 0.15 | 59.3 | 30.4 | 1710 |
| R613644 | | 5.07 | 21.7 | 0.18 | 3.1 | 0.101 | 2.99 | 62.1 | 10.3 | 1.36 | 623 | 6.31 | 0.16 | 53.9 | 25.2 | 1590 |
| R613645 | | 5.77 | 21.2 | 0.16 | 3.7 | 0.096 | 2.85 | 59.1 | 10.0 | 1.31 | 726 | 4.19 | 0.14 | 40.2 | 37.0 | 2030 |
| R613646 | | 5.35 | 19.70 | 0.15 | 3.3 | 0.083 | 2.75 | 52.8 | 10.2 | 1.54 | 747 | 5.62 | 0.14 | 38.2 | 33.8 | 1620 |
| R613647 | | 6.44 | 21.1 | 0.16 | 4.2 | 0.094 | 2.97 | 57.9 | 11.2 | 1.22 | 387 | 5.71 | 0.14 | 47.6 | 50.2 | 2270 |
| R613648 | | 7.75 | 19.05 | 0.22 | 3.7 | 0.101 | 2.79 | 68.2 | 9.6 | 1.66 | 810 | 6.25 | 0.12 | 41.1 | 65.2 | 4920 |
| R613649 | | 8.15 | 19.25 | 0.22 | 3.6 | 0.098 | 2.88 | 66.5 | 10.7 | 1.71 | 794 | 6.57 | 0.12 | 43.7 | 71.2 | 5320 |
| R613650 | | 5.45 | 23.1 | 0.19 | 3.8 | 0.096 | 3.31 | 57.8 | 13.2 | 1.90 | 748 | 3.39 | 0.14 | 40.4 | 34.0 | 1420 |
| R613651 | | 5.61 | 22.7 | 0.19 | 3.6 | 0.096 | 3.07 | 54.0 | 11.8 | 1.74 | 677 | 2.61 | 0.14 | 40.8 | 39.4 | 1370 |
| R613652 | | 6.10 | 18.80 | 0.15 | 1.9 | 0.089 | 2.21 | 41.2 | 9.7 | 1.73 | 874 | 0.54 | 0.11 | 31.6 | 35.5 | 1360 |
| R613653 | | 7.02 | 17.50 | 0.17 | 1.8 | 0.096 | 1.92 | 47.3 | 9.1 | 1.20 | 1200 | 0.76 | 0.11 | 30.3 | 36.5 | 1510 |
| R613654 | | 2.55 | 13.95 | 0.10 | 2.1 | 0.053 | 1.58 | 12.8 | 2.2 | 0.62 | 761 | 5.01 | 3.55 | 5.7 | 6.0 | 450 |
| R613655 | | 5.64 | 22.7 | 0.18 | 2.5 | 0.115 | 2.70 | 50.3 | 11.4 | 1.36 | 978 | 0.95 | 0.15 | 34.4 | 32.8 | 1720 |
| R613656 | | 5.77 | 22.0 | 0.18 | 2.5 | 0.112 | 2.26 | 55.5 | 10.9 | 1.67 | 885 | 0.71 | 0.11 | 37.8 | 36.0 | 1640 |
| R613657 | | 6.94 | 20.7 | 0.16 | 1.7 | 0.096 | 2.17 | 46.8 | 11.7 | 1.93 | 971 | 0.53 | 0.11 | 33.9 | 35.0 | 1550 |
| R613658 | | 5.97 | 18.40 | 0.15 | 1.7 | 0.099 | 2.07 | 46.6 | 10.4 | 1.59 | 821 | 0.49 | 0.10 | 33.7 | 35.1 | 1530 |
| R613659 | | 6.38 | 24.2 | 0.19 | 2.8 | 0.117 | 2.99 | 59.6 | 12.1 | 1.81 | 736 | 0.54 | 0.14 | 48.3 | 42.8 | 1990 |
| R613660 | | 7.06 | 19.80 | 0.16 | 1.8 | 0.087 | 2.46 | 41.4 | 10.8 | 1.83 | 753 | 0.64 | 0.11 | 33.1 | 56.6 | 1560 |
| R613661 | | 7.12 | 20.7 | 0.18 | 2.0 | 0.094 | 2.31 | 44.8 | 10.9 | 1.93 | 646 | 0.28 | 0.11 | 32.7 | 33.8 | 1550 |
| R613662 | | 6.53 | 21.5 | 0.18 | 2.4 | 0.094 | 2.94 | 51.0 | 13.5 | 1.98 | 776 | 0.62 | 0.11 | 37.0 | 47.3 | 1630 |
| R613663 | | 4.84 | 18.30 | 0.15 | 2.3 | 0.079 | 2.68 | 40.5 | 8.6 | 1.38 | 722 | 1.47 | 0.11 | 24.0 | 42.3 | 1140 |
| R613664 | | 4.79 | 18.95 | 0.19 | 2.5 | 0.071 | 3.11 | 48.6 | 12.2 | 1.45 | 620 | 1.60 | 0.11 | 27.4 | 39.5 | 2540 |
| R613665 | | 4.75 | 18.75 | 0.16 | 2.6 | 0.077 | 2.73 | 44.7 | 10.1 | 1.42 | 574 | 1.77 | 0.11 | 30.2 | 32.9 | 1340 |
| R613666 | | 7.04 | 17.20 | 0.16 | 2.1 | 0.094 | 2.04 | 41.6 | 8.6 | 1.91 | 1960 | 1.20 | 0.09 | 28.2 | 31.6 | 1300 |
| R613667 | | 6.25 | 23.0 | 0.20 | 2.6 | 0.104 | 3.21 | 52.9 | 15.6 | 1.89 | 741 | 0.94 | 0.11 | 41.6 | 42.1 | 1770 |
| R613668 | | 5.59 | 16.95 | 0.15 | 2.0 | 0.083 | 2.11 | 36.6 | 9.8 | 1.70 | 775 | 0.67 | 0.08 | 24.1 | 44.8 | 1070 |
| R613669 | | 0.18 | 1.95 | 0.08 | 0.3 | 0.005 | 0.25 | 1.5 | 1.9 | 2.17 | 99 | <0.05 | 0.28 | 1.1 | 0.8 | 70 |
| R613670 | | 5.97 | 21.3 | 0.15 | 2.8 | 0.089 | 2.59 | 40.5 | 8.7 | 1.85 | 818 | 1.86 | 0.11 | 31.7 | 32.0 | 1640 |
| R613671 | | 5.57 | 15.35 | 0.11 | 1.1 | 0.064 | 1.76 | 34.5 | 8.5 | 1.74 | 1020 | 0.51 | 0.08 | 28.0 | 23.5 | 1160 |
| R613672 | | 6.22 | 20.1 | 0.19 | 3.3 | 0.096 | 2.60 | 60.1 | 6.6 | 2.01 | 478 | 2.41 | 0.13 | 58.6 | 51.1 | 1790 |
| R613673 | | 5.63 | 18.70 | 0.14 | 2.9 | 0.072 | 2.76 | 42.5 | 7.7 | 1.73 | 881 | 3.89 | 0.10 | 36.5 | 55.0 | 2150 |
| R613674 | | 5.61 | 16.75 | 0.15 | 3.1 | 0.060 | 2.71 | 36.0 | 6.6 | 1.48 | 853 | 11.70 | 0.09 | 26.4 | 75.2 | 3990 |
| R613675 | | 4.73 | 18.95 | 0.17 | 3.0 | 0.070 | 3.07 | 44.9 | 8.6 | 1.77 | 914 | 2.63 | 0.10 | 32.5 | 43.9 | 1930 |
| R613676 | | 2.39 | 14.20 | 0.08 | 2.0 | 0.059 | 1.48 | 13.6 | 2.3 | 0.58 | 710 | 5.15 | 3.33 | 5.8 | 6.1 | 410 |
| R613677 | | 4.36 | 19.25 | 0.20 | 2.8 | 0.083 | 3.11 | 49.9 | 9.3 | 1.85 | 802 | 1.41 | 0.11 | 37.4 | 31.0 | 1580 |
| R613678 | | 5.17 | 19.10 | 0.18 | 2.7 | 0.080 | 3.01 | 49.4 | 9.1 | 2.02 | 932 | 1.37 | 0.11 | 36.4 | 39.5 | 1240 |
| R613679 | | 5.31 | 19.95 | 0.17 | 3.3 | 0.092 | 3.00 | 60.8 | 11.3 | 2.10 | 850 | 2.11 | 0.10 | 61.1 | 42.0 | 1550 |
| R613680 | | 7.37 | 21.9 | 0.24 | 3.1 | 0.095 | 2.67 | 95.4 | 9.2 | 2.17 | 626 | 1.43 | 0.09 | 59.7 | 54.9 | 1640 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 28-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213743

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613641 | | 7.6 | 142.5 | 0.004 | 0.37 | 1.26 | 16.4 | 1 | 4.1 | 58.5 | 2.95 | 0.05 | 12.95 | 0.737 | 0.72 | 3.4 |
| R613642 | | 5.1 | 140.5 | 0.004 | 0.29 | 0.96 | 16.0 | 1 | 3.7 | 67.3 | 2.64 | <0.05 | 11.55 | 0.696 | 0.65 | 3.4 |
| R613643 | | 7.3 | 118.0 | 0.005 | 0.41 | 1.43 | 16.4 | 1 | 6.0 | 58.1 | 3.21 | 0.05 | 14.10 | 0.765 | 0.55 | 2.8 |
| R613644 | | 7.4 | 133.5 | 0.003 | 0.75 | 1.54 | 16.8 | 1 | 5.3 | 58.8 | 2.95 | 0.08 | 13.95 | 0.785 | 0.66 | 3.5 |
| R613645 | | 7.5 | 130.5 | 0.003 | 1.44 | 3.44 | 16.0 | 2 | 4.8 | 64.5 | 2.19 | 0.12 | 12.45 | 0.704 | 0.61 | 4.0 |
| R613646 | | 8.8 | 124.0 | 0.003 | 1.16 | 1.40 | 15.1 | 1 | 4.9 | 55.6 | 2.18 | 0.10 | 11.20 | 0.651 | 0.64 | 3.9 |
| R613647 | | 16.7 | 130.5 | 0.007 | 1.83 | 1.88 | 15.7 | 3 | 5.3 | 43.7 | 2.52 | 0.14 | 12.70 | 0.738 | 0.65 | 4.6 |
| R613648 | | 22.2 | 121.5 | 0.009 | 2.10 | 2.62 | 13.5 | 3 | 6.1 | 63.8 | 2.18 | 0.18 | 13.40 | 0.743 | 0.72 | 4.1 |
| R613649 | | 23.7 | 124.5 | 0.005 | 2.43 | 2.84 | 13.9 | 4 | 6.2 | 65.2 | 2.11 | 0.17 | 13.80 | 0.751 | 0.74 | 4.2 |
| R613650 | | 19.4 | 152.5 | 0.006 | 0.37 | 2.48 | 18.5 | 2 | 6.3 | 42.1 | 1.99 | 0.08 | 12.50 | 0.802 | 0.80 | 4.0 |
| R613651 | | 14.6 | 130.5 | 0.005 | 0.61 | 2.71 | 19.3 | 1 | 6.6 | 45.9 | 2.02 | 0.07 | 12.35 | 0.833 | 0.73 | 4.3 |
| R613652 | | 8.8 | 87.3 | 0.002 | 0.35 | 2.96 | 15.7 | 1 | 6.2 | 49.8 | 1.62 | <0.05 | 9.06 | 0.649 | 0.45 | 2.2 |
| R613653 | | 16.4 | 71.0 | 0.002 | 0.25 | 17.00 | 15.7 | 1 | 6.7 | 55.8 | 1.51 | 0.05 | 9.67 | 0.651 | 0.34 | 2.2 |
| R613654 | | 129.0 | 30.9 | <0.002 | 0.13 | 15.90 | 7.2 | 1 | 1.2 | 217 | 0.37 | <0.05 | 2.89 | 0.212 | 0.46 | 1.4 |
| R613655 | | 11.3 | 100.0 | 0.003 | 0.21 | 1.44 | 20.2 | 1 | 7.6 | 62.2 | 1.71 | <0.05 | 10.90 | 0.745 | 0.47 | 2.7 |
| R613656 | | 16.1 | 92.3 | 0.006 | 0.53 | 1.28 | 19.1 | 1 | 8.2 | 49.2 | 1.93 | <0.05 | 11.90 | 0.721 | 0.49 | 2.7 |
| R613657 | | 19.5 | 83.6 | <0.002 | 0.72 | 1.48 | 18.6 | 2 | 7.9 | 46.5 | 1.65 | <0.05 | 9.59 | 0.661 | 0.41 | 2.0 |
| R613658 | | 17.9 | 77.1 | 0.003 | 0.60 | 1.16 | 16.5 | 1 | 7.6 | 41.9 | 1.61 | <0.05 | 9.64 | 0.684 | 0.43 | 2.2 |
| R613659 | | 7.3 | 119.5 | 0.005 | 0.40 | 1.48 | 22.0 | 1 | 8.5 | 53.8 | 2.33 | <0.05 | 12.55 | 0.932 | 0.63 | 2.9 |
| R613660 | | 9.2 | 96.6 | 0.004 | 1.25 | 2.17 | 17.3 | 2 | 6.9 | 48.5 | 1.60 | <0.05 | 8.74 | 0.728 | 0.53 | 2.2 |
| R613661 | | 6.2 | 87.9 | 0.002 | 1.12 | 2.32 | 18.7 | 2 | 7.5 | 37.3 | 1.68 | <0.05 | 10.35 | 0.722 | 0.53 | 2.3 |
| R613662 | | 7.4 | 123.5 | 0.005 | 0.57 | 1.37 | 18.2 | 1 | 7.9 | 42.8 | 1.82 | <0.05 | 11.15 | 0.750 | 0.70 | 2.7 |
| R613663 | | 7.1 | 107.5 | 0.002 | 0.47 | 1.17 | 13.7 | 2 | 6.3 | 42.4 | 1.26 | <0.05 | 10.70 | 0.566 | 0.59 | 2.7 |
| R613664 | | 7.7 | 136.0 | 0.002 | 0.40 | 1.39 | 12.0 | 2 | 7.6 | 49.3 | 1.42 | <0.05 | 12.90 | 0.614 | 0.71 | 2.7 |
| R613665 | | 6.2 | 115.0 | 0.004 | 0.36 | 1.22 | 13.1 | 1 | 7.2 | 43.0 | 1.57 | 0.06 | 11.60 | 0.624 | 0.64 | 2.6 |
| R613666 | | 9.0 | 73.5 | 0.003 | 2.22 | 4.85 | 14.2 | 1 | 7.7 | 69.8 | 1.39 | <0.05 | 8.88 | 0.590 | 0.40 | 2.6 |
| R613667 | | 8.4 | 143.0 | 0.005 | 0.50 | 1.30 | 19.9 | 1 | 9.3 | 42.0 | 2.01 | <0.05 | 11.70 | 0.809 | 0.83 | 2.7 |
| R613668 | | 11.7 | 90.8 | 0.004 | 0.90 | 1.24 | 12.7 | 1 | 5.8 | 46.6 | 1.23 | <0.05 | 8.69 | 0.458 | 0.54 | 2.7 |
| R613669 | | <0.5 | 6.9 | <0.002 | <0.01 | <0.05 | 0.2 | 1 | 0.3 | 81.4 | 0.17 | <0.05 | 0.54 | 0.007 | 0.06 | 0.6 |
| R613670 | | 6.0 | 100.5 | 0.007 | 0.46 | 1.39 | 16.9 | 1 | 7.6 | 49.1 | 1.61 | 0.05 | 10.75 | 0.658 | 0.56 | 3.1 |
| R613671 | | 8.0 | 66.7 | 0.002 | 0.33 | 1.89 | 12.4 | 1 | 6.0 | 46.1 | 1.42 | <0.05 | 7.34 | 0.587 | 0.35 | 1.3 |
| R613672 | | 7.0 | 103.0 | 0.011 | 1.59 | 3.36 | 16.3 | 2 | 6.0 | 56.2 | 2.95 | 0.07 | 11.95 | 0.848 | 1.31 | 4.8 |
| R613673 | | 6.7 | 121.5 | 0.010 | 2.00 | 1.45 | 14.8 | 2 | 5.3 | 99.1 | 1.69 | 0.08 | 8.94 | 0.555 | 0.62 | 3.2 |
| R613674 | | 7.4 | 112.0 | 0.012 | 2.83 | 1.53 | 13.4 | 3 | 4.5 | 118.0 | 1.35 | 0.07 | 8.84 | 0.485 | 0.60 | 3.8 |
| R613675 | | 9.4 | 128.5 | 0.005 | 1.59 | 1.39 | 15.2 | 1 | 5.1 | 103.0 | 1.56 | 0.07 | 10.00 | 0.576 | 0.68 | 3.4 |
| R613676 | | 124.5 | 30.8 | <0.002 | 0.12 | 15.25 | 7.2 | 1 | 1.2 | 204 | 0.38 | <0.05 | 2.97 | 0.199 | 0.47 | 1.4 |
| R613677 | | 8.4 | 134.5 | 0.005 | 0.86 | 1.08 | 15.7 | 1 | 5.6 | 81.7 | 1.84 | <0.05 | 11.45 | 0.641 | 0.71 | 3.2 |
| R613678 | | 9.4 | 122.5 | 0.004 | 1.13 | 1.31 | 14.5 | 2 | 5.4 | 81.4 | 1.87 | <0.05 | 11.25 | 0.586 | 0.66 | 2.9 |
| R613679 | | 7.5 | 130.0 | 0.003 | 0.65 | 1.46 | 15.0 | 1 | 6.2 | 79.3 | 2.91 | <0.05 | 12.95 | 0.677 | 0.65 | 3.4 |
| R613680 | | 7.0 | 110.5 | 0.009 | 1.44 | 3.82 | 16.0 | 1 | 5.9 | 59.1 | 3.03 | 0.05 | 16.60 | 0.733 | 0.76 | 4.0 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 28-NOV-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20213743

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613641 | | 134 | 4.2 | 16.0 | 56 | 127.0 |
| R613642 | | 131 | 3.6 | 14.7 | 38 | 130.5 |
| R613643 | | 139 | 6.8 | 18.6 | 47 | 106.0 |
| R613644 | | 146 | 4.3 | 17.0 | 42 | 120.0 |
| R613645 | | 159 | 5.0 | 16.8 | 33 | 138.0 |
| R613646 | | 137 | 4.3 | 15.6 | 39 | 125.0 |
| R613647 | | 172 | 5.5 | 20.8 | 46 | 161.5 |
| R613648 | | 212 | 4.9 | 24.5 | 51 | 138.0 |
| R613649 | | 215 | 4.9 | 25.2 | 53 | 142.5 |
| R613650 | | 204 | 5.9 | 18.1 | 84 | 148.5 |
| R613651 | | 204 | 6.5 | 19.7 | 58 | 144.0 |
| R613652 | | 145 | 7.3 | 15.8 | 67 | 77.5 |
| R613653 | | 155 | 13.4 | 14.7 | 57 | 68.7 |
| R613654 | | 41 | 11.2 | 16.5 | 218 | 60.7 |
| R613655 | | 198 | 8.8 | 17.6 | 62 | 96.9 |
| R613656 | | 184 | 8.9 | 17.6 | 64 | 96.4 |
| R613657 | | 170 | 28.7 | 17.3 | 71 | 70.6 |
| R613658 | | 159 | 28.0 | 17.1 | 67 | 72.6 |
| R613659 | | 205 | 10.4 | 24.0 | 72 | 129.0 |
| R613660 | | 162 | 5.8 | 17.0 | 65 | 73.6 |
| R613661 | | 164 | 7.9 | 18.5 | 72 | 78.5 |
| R613662 | | 170 | 5.8 | 19.4 | 70 | 92.3 |
| R613663 | | 138 | 5.4 | 14.5 | 46 | 90.4 |
| R613664 | | 131 | 5.3 | 16.7 | 37 | 93.5 |
| R613665 | | 128 | 5.4 | 15.0 | 39 | 96.6 |
| R613666 | | 149 | 7.5 | 18.1 | 49 | 83.8 |
| R613667 | | 183 | 6.3 | 17.9 | 67 | 106.0 |
| R613668 | | 114 | 8.5 | 14.0 | 61 | 78.2 |
| R613669 | | 1 | 0.1 | 2.5 | 4 | 7.5 |
| R613670 | | 189 | 6.7 | 15.6 | 52 | 107.5 |
| R613671 | | 125 | 7.4 | 10.2 | 55 | 42.4 |
| R613672 | | 157 | 11.4 | 18.5 | 48 | 132.0 |
| R613673 | | 171 | 7.9 | 12.5 | 25 | 113.0 |
| R613674 | | 190 | 6.3 | 12.8 | 17 | 116.5 |
| R613675 | | 155 | 6.5 | 12.6 | 22 | 118.5 |
| R613676 | | 38 | 10.8 | 16.6 | 201 | 61.7 |
| R613677 | | 138 | 7.1 | 12.5 | 29 | 114.0 |
| R613678 | | 130 | 8.0 | 12.0 | 51 | 102.5 |
| R613679 | | 130 | 10.0 | 15.0 | 44 | 138.0 |
| R613680 | | 141 | 16.9 | 17.5 | 57 | 131.5 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 28-NOV-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20213743

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218119

Project: Rau

P.O. No.: R20-D25

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 11-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218119

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233441 | | 1.57 | 0.07 | 0.09 | 0.73 | 520 | 110 | 0.31 | 0.45 | 0.25 | 0.03 | 43.7 | 3.8 | 26 | 0.32 | 8.8 |
| W233442 | | 1.53 | <0.01 | 0.04 | 2.51 | 784 | 640 | 1.02 | 0.20 | 0.27 | 0.03 | 56.4 | 5.0 | 41 | 1.97 | 5.7 |
| W233443 | | 5.52 | 0.01 | 0.05 | 5.65 | 2910 | 1570 | 2.24 | 0.48 | 0.04 | <0.02 | 88.7 | 19.1 | 59 | 4.38 | 0.9 |
| W233444 | | 2.48 | 0.36 | 0.03 | 4.62 | 116.0 | 1310 | 1.93 | 0.45 | 0.30 | 0.02 | 90.1 | 3.7 | 52 | 4.01 | 4.5 |
| W233445 | | 5.30 | 0.02 | 0.07 | 8.07 | 278 | 2270 | 3.38 | 0.91 | 0.21 | <0.02 | 119.5 | 9.8 | 73 | 6.72 | 30.2 |
| W233446 | | 0.16 | 0.69 | 1.81 | 7.13 | 36.9 | 820 | 1.21 | 0.18 | 1.74 | 1.08 | 27.0 | 5.2 | 13 | 0.37 | 46.0 |
| W233447 | | 6.54 | 0.02 | 0.07 | 2.55 | 152.5 | 660 | 0.96 | 1.05 | 1.10 | 0.02 | 56.9 | 9.2 | 44 | 1.78 | 20.8 |
| W233448 | | 8.51 | 0.01 | 0.03 | 0.42 | 80.7 | 100 | 0.18 | 0.33 | 0.18 | <0.02 | 22.8 | 3.2 | 45 | 0.34 | 4.2 |
| W233449 | | 5.72 | 0.02 | 0.09 | 0.41 | 89.8 | 90 | 0.16 | 0.89 | 0.28 | <0.02 | 21.4 | 2.5 | 37 | 0.29 | 4.1 |
| W233450 | | 0.71 | 0.01 | <0.01 | 0.14 | 1.7 | 30 | 0.09 | 0.01 | 35.0 | <0.02 | 1.05 | 0.6 | 2 | <0.05 | 1.8 |
| W233451 | | 1.64 | <0.01 | 0.03 | 0.48 | 85.2 | 110 | 0.20 | 0.33 | 0.29 | <0.02 | 25.6 | 3.8 | 30 | 0.38 | 14.6 |
| W233452 | | 6.10 | 0.01 | 0.04 | 0.41 | 73.7 | 90 | 0.11 | 0.16 | 1.77 | 0.03 | 20.8 | 2.7 | 32 | 0.31 | 13.3 |
| W233453 | | 4.58 | 0.01 | 0.04 | 0.47 | 57.1 | 120 | 0.13 | 0.36 | 0.34 | 0.02 | 22.6 | 3.4 | 37 | 0.39 | 11.1 |
| W233454 | | 6.27 | 0.01 | 0.08 | 1.70 | 30.9 | 450 | 0.50 | 0.57 | 1.06 | 0.03 | 49.6 | 4.9 | 44 | 1.33 | 24.1 |
| W233455 | | 7.70 | <0.01 | 0.05 | 1.50 | 29.3 | 390 | 0.44 | 0.51 | 0.94 | 0.03 | 40.9 | 5.3 | 45 | 1.21 | 23.9 |
| W233456 | | 7.75 | 0.02 | 0.07 | 1.46 | 56.2 | 380 | 0.48 | 0.58 | 0.57 | <0.02 | 42.5 | 6.1 | 41 | 1.71 | 22.8 |
| W233457 | | <0.02 | 0.02 | 0.08 | 1.53 | 37.8 | 390 | 0.52 | 0.52 | 0.48 | 0.02 | 43.9 | 5.4 | 48 | 1.80 | 21.7 |
| W233458 | | 6.50 | 0.02 | 0.15 | 6.51 | 88.0 | 1860 | 2.14 | 0.41 | 0.43 | 0.05 | 100.5 | 6.0 | 64 | 5.97 | 21.6 |
| W233459 | | 0.16 | 1.34 | 76.1 | 7.08 | 31.6 | 4390 | 0.97 | 0.13 | 1.85 | 15.55 | 28.9 | 4.8 | 19 | 0.47 | 219 |
| W233460 | | 6.89 | <0.01 | 0.20 | 1.60 | 29.8 | 430 | 0.48 | 0.26 | 0.20 | 0.07 | 50.2 | 2.8 | 44 | 1.02 | 19.9 |
| W233461 | | 5.31 | 0.01 | 0.07 | 2.83 | 61.8 | 760 | 0.92 | 0.23 | 0.87 | <0.02 | 59.3 | 2.8 | 54 | 2.18 | 7.1 |
| W233462 | | 7.93 | 0.01 | 0.05 | 2.75 | 84.9 | 710 | 0.99 | 0.33 | 0.66 | 0.02 | 62.2 | 3.6 | 52 | 2.64 | 25.4 |
| W233463 | | 2.71 | 0.02 | 0.06 | 6.37 | 127.0 | 1850 | 2.10 | 0.38 | 1.46 | 0.03 | 93.9 | 9.5 | 69 | 7.15 | 18.3 |
| W233464 | | 2.95 | 0.04 | 0.04 | 6.05 | 117.5 | 1730 | 2.01 | 0.51 | 1.66 | 0.04 | 112.5 | 10.6 | 70 | 7.72 | 24.0 |
| W233465 | | 4.03 | 0.21 | 0.15 | 4.82 | 81.3 | 1960 | 1.96 | 1.32 | 2.12 | 0.06 | 61.0 | 9.6 | 67 | 4.08 | 163.0 |
| W233466 | | 1.81 | 0.05 | 0.14 | 3.56 | 187.0 | 1410 | 1.50 | 0.88 | 4.29 | 0.13 | 79.9 | 16.3 | 51 | 3.06 | 192.5 |
| W233467 | | 0.99 | 0.19 | 0.16 | 4.33 | 48.3 | 1590 | 1.60 | 1.55 | 0.72 | 0.05 | 67.1 | 11.0 | 56 | 3.31 | 170.5 |
| W233468 | | 2.34 | 0.38 | 0.14 | 4.80 | 113.5 | 1730 | 1.89 | 1.25 | 1.08 | 0.06 | 50.2 | 21.4 | 67 | 3.60 | 205 |
| W233469 | | 4.40 | 0.05 | 0.09 | 3.91 | 128.0 | 1380 | 1.41 | 0.58 | 2.46 | 0.07 | 50.4 | 16.8 | 50 | 2.74 | 110.0 |
| W233470 | | 5.33 | 0.02 | 0.03 | 3.85 | 136.0 | 1350 | 1.45 | 0.41 | 2.43 | 0.08 | 56.4 | 16.1 | 48 | 2.68 | 97.1 |
| W233471 | | 4.10 | 0.01 | 0.06 | 4.63 | 181.5 | 1790 | 1.69 | 0.27 | 1.29 | 0.08 | 61.1 | 21.3 | 50 | 3.45 | 80.8 |
| W233472 | | 2.54 | 0.02 | 0.04 | 5.01 | 255 | 2080 | 1.89 | 0.34 | 1.60 | 0.11 | 65.3 | 31.9 | 50 | 3.84 | 96.6 |
| W233473 | | 3.45 | 0.01 | 0.02 | 4.72 | 83.0 | 1970 | 1.84 | 0.21 | 3.33 | 0.10 | 59.3 | 17.2 | 43 | 3.67 | 63.7 |
| W233474 | | 1.54 | 0.03 | 0.13 | 6.07 | 279 | 2580 | 2.51 | 0.65 | 0.51 | 0.09 | 73.6 | 30.3 | 62 | 4.90 | 320 |
| W233475 | | 1.63 | <0.01 | 0.05 | 4.55 | 128.5 | 1910 | 1.72 | 0.35 | 2.25 | 0.15 | 54.0 | 25.7 | 48 | 3.35 | 166.0 |
| W233476 | | 4.36 | 0.02 | 0.03 | 2.91 | 129.0 | 1190 | 1.10 | 0.26 | 0.69 | 0.03 | 34.8 | 10.5 | 40 | 1.85 | 56.0 |
| W233477 | | 3.42 | 0.01 | 0.05 | 4.05 | 172.0 | 1660 | 1.48 | 0.19 | 0.22 | 0.05 | 51.6 | 9.9 | 53 | 2.55 | 93.4 |
| W233478 | | 0.35 | 0.04 | 0.26 | 1.68 | 177.0 | 680 | 0.59 | 0.13 | 0.05 | 0.09 | 18.15 | 2.9 | 27 | 1.13 | 43.6 |
| W233479 | | 2.54 | 0.01 | 0.09 | 4.94 | 95.2 | 2080 | 1.92 | 0.21 | 0.10 | 0.02 | 48.2 | 6.6 | 67 | 3.22 | 48.0 |
| W233480 | | 3.80 | 0.04 | 0.08 | 4.71 | 154.0 | 1910 | 1.65 | 0.43 | 0.18 | 0.02 | 51.9 | 7.5 | 63 | 2.78 | 52.8 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218119

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233441 | | 1.21 | 2.46 | 0.05 | 0.5 | 0.040 | 0.18 | 23.0 | 0.8 | 0.18 | 184 | 0.37 | 0.03 | 2.7 | 6.0 | 180 |
| W233442 | | 0.67 | 7.83 | 0.07 | 0.9 | 0.023 | 1.18 | 28.4 | 3.0 | 0.25 | 154 | 0.50 | 0.03 | 6.6 | 10.7 | 180 |
| W233443 | | 0.64 | 16.70 | 0.12 | 1.5 | 0.045 | 2.84 | 44.9 | 6.1 | 0.27 | 31 | 0.92 | 0.05 | 12.3 | 18.1 | 130 |
| W233444 | | 0.82 | 13.80 | 0.13 | 1.3 | 0.033 | 2.32 | 45.8 | 5.7 | 0.34 | 140 | 0.52 | 0.04 | 9.7 | 12.4 | 260 |
| W233445 | | 1.28 | 25.0 | 0.15 | 2.1 | 0.069 | 4.21 | 59.3 | 10.0 | 0.46 | 124 | 0.51 | 0.06 | 15.8 | 18.5 | 280 |
| W233446 | | 2.38 | 14.05 | 0.07 | 2.1 | 0.055 | 1.54 | 14.0 | 2.3 | 0.56 | 709 | 5.13 | 3.42 | 6.2 | 5.5 | 420 |
| W233447 | | 1.71 | 7.08 | 0.09 | 0.7 | 0.023 | 1.24 | 28.4 | 3.9 | 0.53 | 519 | 0.68 | 0.03 | 5.4 | 12.6 | 180 |
| W233448 | | 0.70 | 1.22 | <0.05 | 0.3 | <0.005 | 0.19 | 11.4 | 0.7 | 0.10 | 110 | 0.44 | 0.01 | 1.5 | 6.4 | 80 |
| W233449 | | 0.82 | 1.18 | <0.05 | 0.3 | 0.006 | 0.17 | 11.2 | 0.6 | 0.14 | 220 | 0.28 | 0.01 | 1.3 | 4.8 | 70 |
| W233450 | | 0.08 | 0.51 | <0.05 | 0.1 | <0.005 | 0.05 | 1.2 | 1.2 | 1.64 | 81 | <0.05 | 0.06 | 0.3 | 1.0 | 70 |
| W233451 | | 0.82 | 1.39 | <0.05 | 0.4 | 0.009 | 0.20 | 13.0 | 0.7 | 0.12 | 276 | 0.34 | 0.01 | 1.7 | 4.9 | 140 |
| W233452 | | 1.67 | 1.19 | 0.05 | 0.3 | 0.028 | 0.17 | 10.6 | 0.5 | 0.24 | 1020 | 1.11 | 0.01 | 1.1 | 6.4 | 130 |
| W233453 | | 0.85 | 1.36 | 0.05 | 0.3 | 0.014 | 0.21 | 11.4 | 0.4 | 0.11 | 294 | 0.74 | 0.01 | 1.4 | 6.6 | 70 |
| W233454 | | 1.78 | 4.57 | 0.09 | 0.8 | 0.015 | 0.79 | 25.0 | 1.3 | 0.44 | 651 | 0.84 | 0.02 | 5.1 | 14.9 | 230 |
| W233455 | | 1.74 | 3.98 | 0.09 | 0.7 | 0.015 | 0.71 | 20.3 | 1.1 | 0.40 | 538 | 0.69 | 0.02 | 4.1 | 13.3 | 210 |
| W233456 | | 1.79 | 3.97 | 0.09 | 0.6 | 0.011 | 0.67 | 20.8 | 1.4 | 0.34 | 370 | 0.64 | 0.02 | 4.3 | 12.7 | 260 |
| W233457 | | 1.72 | 4.02 | 0.10 | 1.2 | 0.017 | 0.70 | 21.2 | 1.4 | 0.32 | 326 | 0.60 | 0.02 | 4.5 | 12.1 | 240 |
| W233458 | | 1.75 | 17.00 | 0.23 | 1.9 | 0.056 | 3.27 | 52.8 | 5.2 | 0.54 | 311 | 0.48 | 0.06 | 12.9 | 16.7 | 240 |
| W233459 | | 2.56 | 13.95 | 0.17 | 2.1 | 0.046 | 1.48 | 15.2 | 2.3 | 0.55 | 728 | 7.36 | 3.28 | 5.7 | 8.8 | 500 |
| W233460 | | 0.60 | 4.42 | 0.16 | 0.8 | 0.013 | 0.74 | 25.9 | 1.2 | 0.13 | 132 | 0.39 | 0.02 | 4.8 | 5.6 | 140 |
| W233461 | | 0.80 | 8.18 | 0.19 | 0.7 | 0.032 | 1.35 | 30.7 | 2.6 | 0.43 | 434 | 0.32 | 0.03 | 7.1 | 7.6 | 120 |
| W233462 | | 1.34 | 7.58 | 0.20 | 0.7 | 0.020 | 1.31 | 30.5 | 2.2 | 0.38 | 404 | 0.27 | 0.03 | 8.5 | 12.2 | 150 |
| W233463 | | 2.58 | 17.55 | 0.24 | 1.8 | 0.058 | 3.08 | 48.1 | 6.3 | 0.82 | 662 | 0.28 | 0.06 | 17.8 | 28.3 | 320 |
| W233464 | | 2.78 | 17.50 | 0.25 | 1.6 | 0.068 | 2.90 | 55.3 | 6.8 | 0.85 | 699 | 0.30 | 0.06 | 19.2 | 34.5 | 290 |
| W233465 | | 2.93 | 14.30 | 0.20 | 2.1 | 0.053 | 2.27 | 35.4 | 15.2 | 1.17 | 467 | 16.75 | 0.08 | 9.3 | 45.5 | 3370 |
| W233466 | | 3.05 | 11.05 | 0.21 | 1.4 | 0.039 | 1.69 | 46.4 | 13.0 | 1.62 | 890 | 26.5 | 0.06 | 7.2 | 61.9 | 4640 |
| W233467 | | 3.51 | 12.90 | 0.21 | 2.5 | 0.052 | 1.96 | 37.8 | 11.8 | 0.58 | 357 | 4.90 | 0.07 | 15.4 | 47.5 | 2690 |
| W233468 | | 4.53 | 14.40 | 0.14 | 3.2 | 0.063 | 2.19 | 31.1 | 15.1 | 0.76 | 607 | 8.01 | 0.08 | 19.0 | 57.1 | 3930 |
| W233469 | | 3.44 | 11.15 | 0.18 | 2.2 | 0.056 | 1.75 | 29.8 | 13.2 | 1.67 | 630 | 4.21 | 0.07 | 15.2 | 45.7 | 3010 |
| W233470 | | 3.28 | 11.60 | 0.19 | 2.4 | 0.053 | 1.74 | 33.6 | 12.8 | 1.72 | 639 | 2.92 | 0.06 | 18.3 | 44.7 | 3340 |
| W233471 | | 2.84 | 13.70 | 0.20 | 2.3 | 0.060 | 2.14 | 37.2 | 14.7 | 1.01 | 769 | 1.34 | 0.08 | 15.1 | 38.4 | 3490 |
| W233472 | | 3.12 | 14.80 | 0.21 | 2.6 | 0.057 | 2.36 | 36.6 | 17.9 | 1.15 | 810 | 1.27 | 0.08 | 15.6 | 62.9 | 2380 |
| W233473 | | 2.95 | 13.90 | 0.19 | 2.7 | 0.052 | 2.21 | 35.4 | 16.4 | 1.75 | 1450 | 1.03 | 0.08 | 17.7 | 39.7 | 2400 |
| W233474 | | 5.91 | 18.40 | 0.20 | 3.2 | 0.071 | 2.83 | 41.9 | 19.6 | 0.62 | 770 | 4.82 | 0.10 | 18.3 | 67.4 | 2180 |
| W233475 | | 3.26 | 13.30 | 0.20 | 2.4 | 0.056 | 2.13 | 32.2 | 14.5 | 1.08 | 1270 | 2.32 | 0.08 | 16.6 | 51.3 | 2440 |
| W233476 | | 2.14 | 8.12 | 0.12 | 1.3 | 0.033 | 1.30 | 20.9 | 8.0 | 0.34 | 468 | 2.58 | 0.05 | 9.3 | 27.0 | 1530 |
| W233477 | | 2.65 | 11.75 | 0.19 | 2.3 | 0.041 | 1.86 | 30.9 | 12.4 | 0.20 | 188 | 1.38 | 0.07 | 15.2 | 27.3 | 1560 |
| W233478 | | 2.51 | 4.92 | 0.10 | 1.1 | 0.026 | 0.75 | 11.1 | 4.7 | 0.08 | 78 | 2.77 | 0.03 | 5.7 | 10.8 | 580 |
| W233479 | | 2.03 | 14.75 | 0.18 | 2.7 | 0.049 | 2.27 | 29.0 | 15.9 | 0.24 | 132 | 1.27 | 0.08 | 21.0 | 16.8 | 1110 |
| W233480 | | 2.55 | 13.70 | 0.20 | 2.8 | 0.048 | 2.11 | 29.5 | 14.5 | 0.22 | 130 | 1.73 | 0.07 | 18.4 | 17.0 | 1690 |

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

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Project: Rau


**Finalized Date: 11-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218119

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233441 | | 6.4 | 7.4 | <0.002 | 0.90 | 0.31 | 1.5 | 1 | 1.8 | 10.5 | 0.16 | <0.05 | 4.16 | 0.066 | 0.05 | 0.4 |
| W233442 | | 3.5 | 50.3 | <0.002 | 0.26 | 0.37 | 4.3 | <1 | 8.0 | 11.4 | 0.42 | <0.05 | 8.01 | 0.158 | 0.25 | 1.0 |
| W233443 | | 2.9 | 116.5 | <0.002 | 0.20 | 0.58 | 8.9 | 1 | 14.3 | 14.4 | 0.84 | 0.12 | 17.20 | 0.292 | 0.56 | 2.0 |
| W233444 | | 2.4 | 96.1 | <0.002 | 0.30 | 0.66 | 7.7 | <1 | 10.7 | 14.2 | 0.62 | <0.05 | 13.50 | 0.222 | 0.48 | 1.7 |
| W233445 | | 2.4 | 179.5 | <0.002 | 0.53 | 1.19 | 13.8 | 1 | 22.0 | 20.7 | 0.97 | <0.05 | 20.8 | 0.350 | 0.79 | 2.4 |
| W233446 | | 122.0 | 30.1 | 0.002 | 0.12 | 16.25 | 7.5 | <1 | 1.2 | 210 | 0.44 | <0.05 | 3.13 | 0.197 | 0.45 | 1.4 |
| W233447 | | 2.7 | 51.5 | <0.002 | 0.88 | 0.76 | 4.2 | 1 | 6.2 | 16.8 | 0.37 | <0.05 | 9.65 | 0.127 | 0.27 | 1.0 |
| W233448 | | 1.3 | 8.5 | <0.002 | 0.32 | 0.24 | 0.7 | <1 | 1.1 | 4.7 | 0.08 | <0.05 | 2.39 | 0.041 | 0.05 | 0.3 |
| W233449 | | 1.8 | 7.5 | <0.002 | 0.46 | 0.27 | 0.7 | 1 | 1.1 | 5.5 | 0.07 | <0.05 | 2.26 | 0.039 | 0.04 | 0.3 |
| W233450 | | <0.5 | 1.3 | <0.002 | <0.01 | 0.07 | 0.2 | 1 | <0.2 | 88.1 | <0.05 | <0.05 | 0.13 | 0.005 | <0.02 | 0.3 |
| W233451 | | 1.8 | 9.4 | <0.002 | 0.20 | 0.27 | 0.8 | <1 | 2.4 | 6.2 | 0.09 | <0.05 | 2.85 | 0.044 | 0.06 | 0.4 |
| W233452 | | 3.1 | 7.5 | <0.002 | 0.31 | 0.58 | 0.8 | <1 | 1.8 | 10.8 | 0.07 | <0.05 | 2.22 | 0.033 | 0.07 | 0.4 |
| W233453 | | 2.3 | 10.0 | <0.002 | 0.37 | 0.44 | 0.8 | <1 | 1.4 | 4.4 | 0.08 | <0.05 | 2.16 | 0.041 | 0.06 | 0.3 |
| W233454 | | 2.0 | 37.3 | 0.004 | 0.48 | 0.37 | 2.7 | 1 | 4.7 | 19.8 | 0.36 | <0.05 | 7.24 | 0.133 | 0.19 | 0.9 |
| W233455 | | 2.3 | 34.5 | <0.002 | 0.55 | 0.45 | 2.5 | 1 | 3.5 | 17.8 | 0.26 | 0.05 | 5.30 | 0.114 | 0.18 | 0.7 |
| W233456 | | 1.7 | 34.3 | 0.002 | 0.57 | 0.43 | 2.4 | <1 | 3.3 | 14.5 | 0.29 | 0.06 | 5.59 | 0.116 | 0.23 | 1.0 |
| W233457 | | 1.9 | 35.3 | <0.002 | 0.53 | 0.43 | 2.5 | <1 | 3.3 | 12.7 | 0.31 | <0.05 | 5.97 | 0.125 | 0.24 | 0.9 |
| W233458 | | 2.2 | 148.0 | <0.002 | 0.40 | 0.70 | 10.1 | <1 | 8.9 | 23.9 | 0.87 | 0.06 | 16.65 | 0.323 | 0.73 | 2.4 |
| W233459 | | 1480 | 33.1 | 0.010 | 0.48 | 116.0 | 7.5 | 3 | 1.9 | 213 | 0.40 | 0.07 | 3.16 | 0.195 | 0.37 | 1.9 |
| W233460 | | 5.4 | 33.3 | <0.002 | 0.20 | 0.56 | 2.5 | <1 | 5.4 | 7.7 | 0.33 | <0.05 | 7.44 | 0.135 | 0.16 | 0.9 |
| W233461 | | 2.5 | 65.9 | <0.002 | 0.12 | 0.46 | 4.7 | 1 | 7.3 | 14.8 | 0.43 | <0.05 | 9.46 | 0.173 | 0.32 | 0.6 |
| W233462 | | 2.2 | 65.2 | <0.002 | 0.15 | 0.70 | 4.7 | <1 | 7.9 | 15.4 | 0.59 | 0.06 | 9.87 | 0.218 | 0.36 | 0.8 |
| W233463 | | 2.0 | 148.5 | <0.002 | 0.13 | 0.71 | 11.2 | 1 | 8.1 | 38.8 | 1.15 | 0.10 | 15.35 | 0.416 | 0.84 | 2.1 |
| W233464 | | 2.3 | 147.0 | <0.002 | 0.19 | 0.75 | 11.0 | <1 | 8.7 | 39.4 | 1.14 | 0.12 | 16.70 | 0.412 | 0.87 | 2.2 |
| W233465 | | 3.0 | 104.0 | 0.002 | 0.06 | 1.84 | 9.0 | 5 | 4.3 | 144.5 | 0.59 | 0.19 | 10.05 | 0.220 | 0.82 | 9.3 |
| W233466 | | 3.0 | 80.4 | 0.002 | 0.14 | 1.29 | 6.3 | 6 | 3.7 | 230 | 0.43 | 0.22 | 8.42 | 0.150 | 0.52 | 7.1 |
| W233467 | | 2.8 | 90.5 | <0.002 | 0.05 | 1.69 | 8.1 | 4 | 2.5 | 58.8 | 0.93 | 0.20 | 8.61 | 0.225 | 0.62 | 6.1 |
| W233468 | | 2.6 | 102.0 | <0.002 | 0.07 | 1.78 | 9.4 | 4 | 2.9 | 90.0 | 1.13 | 0.15 | 9.38 | 0.247 | 0.70 | 6.5 |
| W233469 | | 1.6 | 78.5 | <0.002 | 0.06 | 1.06 | 7.5 | 2 | 2.4 | 129.0 | 0.87 | 0.09 | 6.90 | 0.214 | 0.50 | 4.5 |
| W233470 | | 1.7 | 78.7 | <0.002 | 0.05 | 1.25 | 7.9 | 4 | 2.4 | 138.5 | 1.04 | 0.08 | 7.34 | 0.219 | 0.54 | 5.5 |
| W233471 | | 1.3 | 96.1 | <0.002 | 0.04 | 1.19 | 9.3 | 2 | 2.5 | 73.1 | 0.93 | 0.10 | 8.53 | 0.260 | 0.72 | 3.9 |
| W233472 | | 1.6 | 103.5 | <0.002 | 0.08 | 1.72 | 9.8 | 4 | 2.6 | 78.3 | 0.97 | 0.08 | 9.94 | 0.248 | 0.83 | 3.8 |
| W233473 | | 1.3 | 98.3 | <0.002 | 0.05 | 1.10 | 10.5 | 4 | 2.7 | 134.0 | 1.10 | 0.06 | 8.38 | 0.323 | 0.80 | 3.5 |
| W233474 | | 2.0 | 128.0 | <0.002 | 0.13 | 2.87 | 14.7 | 5 | 4.0 | 89.0 | 1.09 | 0.16 | 10.20 | 0.344 | 1.07 | 7.9 |
| W233475 | | 1.5 | 92.9 | <0.002 | 0.07 | 2.15 | 10.8 | 3 | 2.7 | 112.5 | 1.01 | 0.06 | 7.39 | 0.322 | 0.78 | 5.6 |
| W233476 | | 1.6 | 55.9 | <0.002 | 0.03 | 9.40 | 7.0 | 2 | 1.7 | 41.5 | 0.56 | 0.06 | 3.83 | 0.198 | 0.50 | 3.6 |
| W233477 | | 2.5 | 82.0 | <0.002 | 0.01 | 9.60 | 10.6 | 2 | 2.7 | 34.8 | 0.86 | 0.05 | 6.10 | 0.298 | 0.74 | 4.1 |
| W233478 | | 19.6 | 33.4 | <0.002 | 0.01 | 39.2 | 4.3 | 2 | 1.1 | 30.0 | 0.32 | 0.12 | 2.65 | 0.121 | 0.89 | 1.8 |
| W233479 | | 3.3 | 101.0 | 0.002 | 0.02 | 6.56 | 13.3 | 1 | 3.3 | 37.3 | 1.20 | 0.05 | 5.79 | 0.390 | 1.00 | 4.3 |
| W233480 | | 5.9 | 91.2 | <0.002 | 0.03 | 3.48 | 13.5 | 2 | 3.1 | 40.7 | 1.08 | 0.06 | 6.32 | 0.429 | 0.82 | 4.7 |

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

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

Project: Rau


**Finalized Date: 11-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218119

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233441 | | 12 | 0.9 | 2.9 | 9 | 11.5 |
| W233442 | | 33 | 2.4 | 4.1 | 10 | 29.3 |
| W233443 | | 63 | 4.4 | 6.5 | 6 | 51.5 |
| W233444 | | 49 | 3.2 | 6.5 | 8 | 46.7 |
| W233445 | | 86 | 5.4 | 9.0 | 10 | 77.1 |
| W233446 | | 37 | 10.9 | 17.4 | 202 | 63.1 |
| W233447 | | 29 | 2.0 | 5.3 | 9 | 23.7 |
| W233448 | | 7 | 0.5 | 2.2 | 4 | 10.8 |
| W233449 | | 7 | 0.6 | 2.0 | 4 | 9.8 |
| W233450 | | 1 | <0.1 | 2.3 | 3 | 2.0 |
| W233451 | | 7 | 0.6 | 2.6 | 5 | 15.1 |
| W233452 | | 7 | 0.6 | 2.5 | 8 | 9.3 |
| W233453 | | 7 | 0.6 | 1.9 | 4 | 11.0 |
| W233454 | | 23 | 1.6 | 6.2 | 8 | 22.1 |
| W233455 | | 22 | 1.2 | 5.5 | 9 | 22.0 |
| W233456 | | 20 | 1.4 | 6.6 | 7 | 23.4 |
| W233457 | | 21 | 1.4 | 6.3 | 6 | 21.9 |
| W233458 | | 70 | 4.0 | 14.9 | 10 | 69.2 |
| W233459 | | 52 | 11.7 | 18.7 | 2710 | 62.6 |
| W233460 | | 20 | 1.9 | 4.6 | 10 | 29.3 |
| W233461 | | 33 | 2.0 | 5.6 | 6 | 21.9 |
| W233462 | | 33 | 1.8 | 7.6 | 7 | 25.4 |
| W233463 | | 78 | 3.0 | 22.5 | 15 | 66.0 |
| W233464 | | 74 | 3.0 | 21.1 | 18 | 58.4 |
| W233465 | | 569 | 3.4 | 12.1 | 20 | 81.4 |
| W233466 | | 389 | 2.6 | 19.0 | 20 | 55.6 |
| W233467 | | 334 | 2.7 | 11.9 | 27 | 92.0 |
| W233468 | | 322 | 2.8 | 16.4 | 37 | 122.5 |
| W233469 | | 265 | 2.5 | 14.2 | 33 | 84.1 |
| W233470 | | 262 | 2.4 | 15.6 | 33 | 101.0 |
| W233471 | | 160 | 2.3 | 15.6 | 28 | 87.0 |
| W233472 | | 134 | 2.2 | 11.6 | 26 | 89.8 |
| W233473 | | 149 | 3.0 | 12.2 | 20 | 89.8 |
| W233474 | | 243 | 3.2 | 12.6 | 30 | 124.5 |
| W233475 | | 236 | 3.2 | 12.0 | 20 | 94.6 |
| W233476 | | 142 | 1.9 | 8.7 | 13 | 55.0 |
| W233477 | | 132 | 2.9 | 11.1 | 17 | 88.5 |
| W233478 | | 57 | 2.0 | 5.4 | 17 | 50.4 |
| W233479 | | 201 | 4.0 | 10.7 | 10 | 102.5 |
| W233480 | | 157 | 4.4 | 11.6 | 12 | 107.5 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 11-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218119

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 6-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218128

Project: Rau

P.O. No.: R20-D26

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 6-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218128

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613681 | | 4.08 | 0.02 | 0.01 | 7.04 | 36.7 | 2190 | 2.16 | 0.40 | 1.39 | 0.03 | 92.1 | 14.0 | 46 | 3.88 | 28.6 |
| R613682 | | 4.72 | 0.01 | 0.12 | 7.27 | 38.0 | 2070 | 2.44 | 0.63 | 0.97 | 0.78 | 126.5 | 18.9 | 38 | 3.30 | 54.8 |
| R613683 | | 1.23 | 0.02 | 0.04 | 6.68 | 135.5 | 1740 | 2.51 | 0.93 | 4.16 | 0.29 | 103.5 | 27.0 | 51 | 4.49 | 17.2 |
| R613684 | | 4.31 | 0.01 | 0.03 | 6.73 | 121.5 | 2220 | 2.59 | 0.58 | 2.64 | 0.12 | 98.6 | 20.4 | 50 | 4.17 | 10.9 |
| R613685 | | 4.34 | 0.02 | 3.10 | 6.77 | 51.3 | 2200 | 2.73 | 0.65 | 1.85 | 0.07 | 103.0 | 15.2 | 49 | 4.24 | 13.4 |
| R613686 | | 0.40 | 0.02 | 0.01 | 6.64 | 45.6 | 2230 | 2.53 | 0.57 | 2.59 | 0.08 | 90.0 | 11.3 | 62 | 4.56 | 6.4 |
| R613687 | | 0.34 | 0.01 | <0.01 | 6.46 | 122.0 | 2170 | 2.52 | 0.73 | 2.49 | 0.06 | 87.2 | 23.2 | 62 | 4.43 | 7.9 |
| R613688 | | 6.89 | 0.02 | <0.01 | 6.78 | 112.5 | 1830 | 2.68 | 1.20 | 2.17 | 0.09 | 112.0 | 23.2 | 67 | 4.48 | 11.7 |
| R613689 | | 6.77 | 0.03 | 0.01 | 7.08 | 72.0 | 2250 | 2.73 | 1.02 | 1.22 | 0.06 | 140.0 | 16.3 | 64 | 3.60 | 8.7 |
| R613690 | | 6.09 | 0.03 | 0.07 | 6.89 | 196.0 | 840 | 2.70 | 2.22 | 1.65 | 0.10 | 100.5 | 28.8 | 65 | 4.33 | 21.8 |
| R613691 | | 0.16 | 1.24 | 69.0 | 6.72 | 29.2 | 4250 | 0.98 | 0.13 | 1.81 | 15.05 | 25.2 | 5.0 | 18 | 0.35 | 210 |
| R613692 | | 5.84 | 0.04 | 0.63 | 6.79 | 168.0 | 870 | 2.53 | 2.32 | 2.19 | 0.14 | 98.9 | 26.7 | 65 | 4.56 | 20.7 |
| R613693 | | 4.96 | 0.02 | 0.01 | 7.38 | 279 | 2250 | 2.85 | 1.25 | 2.14 | 0.10 | 120.0 | 35.2 | 68 | 4.87 | 16.0 |
| R613694 | | 3.18 | 0.02 | <0.01 | 7.60 | 199.0 | 910 | 2.93 | 1.30 | 1.61 | 0.11 | 130.5 | 34.9 | 69 | 5.50 | 18.1 |
| R613695 | | 1.23 | 0.17 | 0.02 | 6.87 | 203 | 720 | 2.68 | 2.96 | 1.79 | 0.09 | 126.0 | 23.4 | 59 | 4.08 | 14.8 |
| R613696 | | 0.71 | 0.03 | 0.01 | 7.62 | 120.0 | 490 | 2.89 | 3.79 | 1.36 | 0.07 | 124.0 | 20.5 | 66 | 4.51 | 19.1 |
| R613697 | | 1.18 | 0.07 | 0.01 | 7.73 | 248 | 820 | 2.78 | 1.19 | 1.82 | 0.10 | 131.0 | 21.7 | 68 | 3.72 | 21.4 |
| R613698 | | 1.82 | 0.01 | <0.01 | 0.06 | 0.4 | 20 | 0.05 | 0.02 | 34.7 | 0.02 | 1.09 | 0.5 | 1 | <0.05 | 0.7 |
| R613699 | | 1.18 | 0.04 | <0.01 | 7.19 | 90.1 | 2180 | 2.48 | 1.37 | 2.48 | 0.11 | 128.0 | 16.6 | 62 | 4.06 | 11.0 |
| R613700 | | 0.27 | 0.85 | 0.01 | 3.10 | 391 | 980 | 1.03 | 1.06 | 4.86 | 0.15 | 59.8 | 24.2 | 39 | 1.32 | 7.7 |
| R613701 | | 1.31 | 0.04 | <0.01 | 8.21 | 271 | 2640 | 2.64 | 1.05 | 2.65 | 0.09 | 129.0 | 30.2 | 70 | 3.87 | 13.8 |
| R613702 | | 2.66 | 0.04 | <0.01 | 7.78 | 84.3 | 2500 | 2.52 | 0.80 | 3.50 | 0.05 | 136.0 | 13.1 | 66 | 3.73 | 8.3 |
| R613703 | | 0.74 | 0.13 | 0.03 | 6.48 | 165.0 | 1860 | 2.14 | 1.21 | 4.16 | 0.11 | 115.5 | 22.3 | 58 | 3.14 | 14.4 |
| R613704 | | 5.04 | 0.02 | <0.01 | 7.17 | 139.0 | 2280 | 2.36 | 0.47 | 4.01 | 0.06 | 123.5 | 17.5 | 59 | 3.34 | 8.5 |
| R613705 | | 3.96 | 0.04 | 0.01 | 6.79 | 98.7 | 1160 | 2.21 | 1.11 | 4.26 | 0.03 | 115.0 | 28.3 | 55 | 3.47 | 14.4 |
| R613706 | | 6.01 | 0.03 | 0.01 | 6.51 | 55.0 | 2100 | 2.38 | 0.55 | 3.99 | 0.07 | 99.6 | 13.8 | 57 | 3.63 | 5.1 |
| R613707 | | 4.37 | 0.07 | <0.01 | 7.04 | 53.6 | 2220 | 2.52 | 0.65 | 4.01 | 0.04 | 115.5 | 15.4 | 64 | 3.61 | 6.7 |
| R613708 | | 2.93 | 0.02 | <0.01 | 6.93 | 33.5 | 2130 | 2.29 | 0.42 | 3.95 | 0.08 | 114.0 | 12.6 | 49 | 3.45 | 7.5 |
| R613709 | | 0.73 | 0.02 | 0.03 | 6.81 | 162.0 | 980 | 2.38 | 1.05 | 3.52 | 0.04 | 94.2 | 40.8 | 60 | 3.46 | 16.9 |
| R613710 | | 0.16 | 0.69 | 1.34 | 7.13 | 26.0 | 830 | 1.00 | 0.23 | 1.82 | 1.12 | 26.8 | 4.9 | 14 | 0.33 | 43.4 |
| R613711 | | 3.36 | 0.07 | <0.01 | 6.98 | 88.4 | 2160 | 2.48 | 0.67 | 3.47 | 0.05 | 99.1 | 21.9 | 58 | 3.65 | 10.5 |
| R613712 | | 3.36 | 0.05 | <0.01 | 6.91 | 77.8 | 2170 | 2.42 | 0.81 | 3.63 | 0.06 | 115.0 | 15.5 | 64 | 3.63 | 8.2 |
| R613713 | | 6.25 | 0.04 | <0.01 | 7.00 | 55.2 | 2140 | 2.35 | 0.50 | 3.58 | 0.06 | 157.0 | 9.4 | 63 | 3.15 | 4.9 |
| R613714 | | 1.55 | 0.02 | <0.01 | 7.44 | 124.5 | 2260 | 2.59 | 0.51 | 3.41 | 0.08 | 168.5 | 14.8 | 65 | 3.24 | 6.4 |
| R613715 | | 0.70 | 0.07 | <0.01 | 6.88 | 240 | 2090 | 2.41 | 0.79 | 4.61 | 0.05 | 136.0 | 20.3 | 61 | 3.16 | 5.6 |
| R613716 | | 0.84 | 0.10 | 0.01 | 6.59 | 73.4 | 1960 | 2.35 | 0.97 | 5.39 | 0.09 | 96.7 | 5.9 | 67 | 2.95 | 3.1 |
| R613717 | | 1.84 | 0.05 | 0.07 | 6.49 | 85.3 | 470 | 2.39 | 1.91 | 4.17 | 0.03 | 102.5 | 37.8 | 59 | 2.80 | 8.2 |
| R613718 | | 1.75 | 0.12 | 0.03 | 7.29 | 140.0 | 840 | 2.73 | 1.38 | 2.58 | <0.02 | 99.4 | 24.9 | 71 | 3.75 | 6.7 |
| R613719 | | <0.02 | 0.13 | 0.05 | 7.26 | 143.5 | 770 | 2.64 | 1.44 | 2.63 | 0.03 | 101.0 | 25.4 | 72 | 3.65 | 7.2 |
| R613720 | | 1.25 | 0.10 | 0.02 | 8.49 | 72.6 | 2680 | 3.67 | 0.73 | 2.42 | 0.05 | 140.0 | 8.0 | 76 | 4.79 | 2.2 |

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

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Project: Rau


**Finalized Date: 6-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218128

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613681 | | 6.13 | 19.15 | 0.22 | 1.5 | 0.080 | 3.20 | 50.6 | 7.3 | 2.09 | 694 | 0.45 | 0.10 | 39.5 | 23.7 | 1440 |
| R613682 | | 7.65 | 21.3 | 0.25 | 1.7 | 0.093 | 3.05 | 68.7 | 9.8 | 2.35 | 850 | 0.33 | 0.10 | 63.6 | 26.8 | 1580 |
| R613683 | | 5.35 | 19.25 | 0.24 | 2.7 | 0.085 | 2.88 | 55.7 | 9.6 | 1.83 | 1300 | 1.21 | 0.08 | 45.6 | 44.9 | 1820 |
| R613684 | | 4.17 | 19.80 | 0.24 | 2.9 | 0.077 | 3.25 | 50.7 | 10.2 | 1.77 | 850 | 1.21 | 0.10 | 42.8 | 25.5 | 1440 |
| R613685 | | 5.03 | 19.75 | 0.23 | 3.3 | 0.076 | 3.21 | 52.8 | 10.3 | 1.84 | 664 | 0.81 | 0.09 | 46.4 | 24.0 | 1610 |
| R613686 | | 3.71 | 19.55 | 0.21 | 2.8 | 0.080 | 3.20 | 46.1 | 10.0 | 1.79 | 695 | 1.65 | 0.09 | 33.5 | 26.4 | 2130 |
| R613687 | | 3.77 | 18.80 | 0.18 | 2.8 | 0.063 | 3.14 | 44.4 | 9.5 | 1.69 | 682 | 1.80 | 0.09 | 32.4 | 32.4 | 1930 |
| R613688 | | 5.00 | 20.2 | 0.22 | 3.1 | 0.074 | 3.22 | 56.5 | 10.6 | 1.90 | 733 | 1.72 | 0.09 | 52.9 | 41.8 | 1270 |
| R613689 | | 5.26 | 21.6 | 0.21 | 3.5 | 0.076 | 3.25 | 72.5 | 9.9 | 1.66 | 602 | 0.94 | 0.08 | 77.0 | 37.7 | 1310 |
| R613690 | | 6.20 | 20.4 | 0.21 | 3.3 | 0.074 | 3.19 | 50.7 | 10.8 | 1.80 | 750 | 1.68 | 0.07 | 46.8 | 39.6 | 2120 |
| R613691 | | 2.44 | 13.45 | 0.10 | 2.0 | 0.043 | 1.42 | 12.0 | 2.6 | 0.54 | 712 | 6.72 | 3.18 | 5.4 | 7.8 | 470 |
| R613692 | | 5.75 | 20.1 | 0.21 | 3.6 | 0.084 | 3.19 | 51.0 | 11.5 | 1.82 | 843 | 2.39 | 0.07 | 50.1 | 38.3 | 2060 |
| R613693 | | 5.47 | 21.6 | 0.22 | 3.6 | 0.091 | 3.47 | 62.6 | 11.9 | 1.88 | 816 | 1.77 | 0.07 | 61.8 | 42.7 | 2740 |
| R613694 | | 6.18 | 23.1 | 0.23 | 3.2 | 0.095 | 3.62 | 67.6 | 13.0 | 1.70 | 762 | 1.20 | 0.07 | 65.3 | 57.1 | 2150 |
| R613695 | | 5.79 | 20.4 | 0.20 | 2.6 | 0.095 | 3.16 | 65.6 | 13.3 | 1.78 | 813 | 0.53 | 0.07 | 53.9 | 41.1 | 1500 |
| R613696 | | 5.78 | 22.4 | 0.21 | 3.5 | 0.095 | 3.44 | 63.3 | 13.3 | 1.56 | 675 | 0.80 | 0.08 | 55.5 | 59.0 | 1880 |
| R613697 | | 5.03 | 23.4 | 0.22 | 3.5 | 0.102 | 3.41 | 66.5 | 11.7 | 1.55 | 752 | 1.16 | 0.08 | 48.9 | 34.8 | 1980 |
| R613698 | | 0.08 | 0.24 | 0.10 | 0.1 | 0.007 | 0.02 | 1.1 | 1.0 | 1.27 | 89 | <0.05 | 0.02 | 0.3 | 0.3 | 80 |
| R613699 | | 5.23 | 21.2 | 0.21 | 3.0 | 0.080 | 3.18 | 66.4 | 9.8 | 1.90 | 931 | 0.72 | 0.07 | 62.6 | 39.3 | 1580 |
| R613700 | | 3.88 | 9.14 | 0.11 | 1.1 | 0.049 | 1.38 | 30.5 | 4.0 | 2.10 | 1600 | 0.28 | 0.03 | 26.5 | 21.4 | 820 |
| R613701 | | 4.30 | 24.1 | 0.22 | 4.3 | 0.091 | 3.73 | 67.9 | 9.8 | 1.57 | 848 | 1.14 | 0.09 | 65.1 | 39.3 | 1920 |
| R613702 | | 3.16 | 22.6 | 0.24 | 3.8 | 0.088 | 3.61 | 70.0 | 8.9 | 1.64 | 950 | 0.79 | 0.08 | 64.4 | 29.7 | 1890 |
| R613703 | | 3.75 | 19.05 | 0.20 | 2.4 | 0.058 | 3.12 | 59.5 | 7.5 | 1.78 | 1140 | 0.54 | 0.07 | 51.2 | 41.7 | 1390 |
| R613704 | | 2.88 | 21.2 | 0.20 | 3.1 | 0.064 | 3.48 | 63.3 | 8.3 | 1.68 | 1080 | 1.02 | 0.07 | 58.7 | 34.0 | 1670 |
| R613705 | | 3.88 | 19.45 | 0.21 | 3.1 | 0.071 | 3.27 | 61.0 | 8.6 | 1.83 | 1240 | 1.57 | 0.06 | 51.9 | 42.8 | 1560 |
| R613706 | | 2.65 | 18.50 | 0.20 | 3.4 | 0.069 | 3.17 | 51.2 | 9.7 | 1.75 | 1110 | 1.07 | 0.06 | 38.1 | 27.2 | 1440 |
| R613707 | | 3.00 | 20.2 | 0.20 | 3.7 | 0.062 | 3.44 | 61.7 | 9.8 | 1.76 | 1160 | 1.83 | 0.07 | 48.2 | 29.0 | 1350 |
| R613708 | | 2.70 | 19.80 | 0.21 | 3.1 | 0.070 | 3.36 | 60.7 | 9.2 | 1.69 | 1140 | 0.76 | 0.07 | 46.3 | 19.0 | 1570 |
| R613709 | | 3.72 | 19.10 | 0.17 | 3.1 | 0.060 | 3.29 | 49.0 | 9.8 | 1.61 | 1100 | 1.18 | 0.06 | 30.8 | 32.5 | 1170 |
| R613710 | | 2.37 | 13.95 | 0.11 | 2.0 | 0.057 | 1.49 | 12.8 | 2.2 | 0.57 | 732 | 4.75 | 3.32 | 5.7 | 5.6 | 420 |
| R613711 | | 2.75 | 19.50 | 0.19 | 3.5 | 0.075 | 3.39 | 52.9 | 10.1 | 1.56 | 1050 | 1.36 | 0.07 | 39.0 | 27.0 | 1520 |
| R613712 | | 2.57 | 20.4 | 0.20 | 3.6 | 0.062 | 3.37 | 62.0 | 10.0 | 1.65 | 1140 | 1.54 | 0.06 | 48.4 | 28.5 | 1370 |
| R613713 | | 2.27 | 20.8 | 0.23 | 3.5 | 0.068 | 3.36 | 84.4 | 9.0 | 1.57 | 1130 | 0.53 | 0.07 | 72.9 | 24.3 | 1300 |
| R613714 | | 2.15 | 21.6 | 0.25 | 5.4 | 0.063 | 3.56 | 89.1 | 9.0 | 1.53 | 1070 | 0.54 | 0.07 | 85.4 | 25.3 | 1420 |
| R613715 | | 3.00 | 20.0 | 0.22 | 3.8 | 0.058 | 3.29 | 71.9 | 8.9 | 2.10 | 1530 | 1.04 | 0.07 | 66.0 | 30.7 | 1100 |
| R613716 | | 2.86 | 19.40 | 0.20 | 3.6 | 0.062 | 3.17 | 51.1 | 8.6 | 2.43 | 1740 | 1.11 | 0.06 | 52.3 | 14.9 | 1110 |
| R613717 | | 4.13 | 19.00 | 0.19 | 3.1 | 0.050 | 3.07 | 54.2 | 8.0 | 1.88 | 1360 | 1.80 | 0.06 | 42.4 | 42.2 | 1800 |
| R613718 | | 3.01 | 21.2 | 0.21 | 4.1 | 0.061 | 3.52 | 50.5 | 9.8 | 1.27 | 795 | 1.51 | 0.07 | 45.3 | 43.4 | 1790 |
| R613719 | | 3.15 | 21.2 | 0.21 | 4.3 | 0.059 | 3.48 | 53.2 | 9.7 | 1.30 | 829 | 1.55 | 0.07 | 44.0 | 45.8 | 1810 |
| R613720 | | 1.45 | 26.6 | 0.27 | 4.5 | 0.072 | 4.25 | 65.0 | 13.1 | 1.21 | 673 | 1.32 | 0.07 | 76.2 | 25.4 | 2020 |

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

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

Project: Rau


**Finalized Date: 6-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218128

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613681 | | 2.2 | 139.0 | <0.002 | 0.61 | 0.56 | 16.7 | 1 | 8.1 | 53.5 | 2.08 | <0.05 | 9.57 | 0.739 | 0.61 | 1.5 |
| R613682 | | 32.6 | 134.5 | 0.003 | 0.77 | 1.84 | 17.3 | 1 | 6.3 | 49.5 | 3.43 | <0.05 | 12.60 | 0.782 | 0.59 | 1.6 |
| R613683 | | 11.0 | 129.5 | 0.007 | 0.95 | 1.41 | 15.0 | <1 | 6.5 | 73.7 | 2.37 | <0.05 | 10.95 | 0.735 | 0.63 | 3.7 |
| R613684 | | 5.5 | 134.0 | 0.002 | 0.47 | 0.81 | 14.7 | <1 | 5.8 | 67.0 | 2.35 | <0.05 | 11.90 | 0.714 | 0.60 | 2.5 |
| R613685 | | 3.3 | 136.5 | 0.003 | 0.65 | 0.68 | 14.5 | <1 | 5.6 | 57.4 | 2.46 | <0.05 | 12.40 | 0.707 | 0.60 | 2.9 |
| R613686 | | 2.6 | 138.0 | 0.002 | 0.40 | 0.41 | 14.3 | <1 | 5.5 | 80.3 | 1.76 | <0.05 | 11.70 | 0.639 | 0.60 | 2.8 |
| R613687 | | 2.8 | 136.0 | 0.006 | 0.57 | 0.49 | 13.7 | <1 | 5.6 | 74.6 | 1.72 | <0.05 | 11.45 | 0.639 | 0.66 | 2.8 |
| R613688 | | 3.7 | 136.5 | 0.005 | 0.92 | 0.75 | 14.3 | 1 | 6.3 | 65.4 | 2.67 | <0.05 | 13.50 | 0.664 | 0.59 | 3.2 |
| R613689 | | 4.0 | 133.5 | 0.004 | 0.76 | 0.72 | 14.3 | 1 | 7.9 | 50.2 | 4.08 | <0.05 | 17.20 | 0.710 | 0.60 | 3.4 |
| R613690 | | 4.2 | 133.0 | 0.006 | 1.55 | 1.11 | 16.0 | 1 | 8.5 | 59.9 | 2.37 | 0.06 | 11.55 | 0.776 | 0.68 | 3.6 |
| R613691 | | 1425 | 28.6 | 0.009 | 0.48 | 111.5 | 6.6 | 2 | 1.7 | 201 | 0.38 | <0.05 | 2.91 | 0.191 | 0.30 | 1.7 |
| R613692 | | 4.9 | 137.5 | 0.010 | 1.49 | 1.31 | 15.1 | 1 | 9.6 | 69.2 | 2.62 | 0.08 | 12.25 | 0.746 | 0.62 | 3.8 |
| R613693 | | 3.3 | 139.0 | 0.008 | 0.98 | 1.12 | 16.1 | 1 | 12.0 | 70.3 | 3.22 | 0.06 | 13.70 | 0.841 | 0.70 | 3.7 |
| R613694 | | 2.9 | 153.0 | 0.006 | 1.39 | 1.08 | 17.7 | 1 | 13.8 | 60.2 | 3.32 | <0.05 | 14.40 | 0.870 | 0.75 | 3.2 |
| R613695 | | 3.2 | 124.5 | 0.004 | 1.71 | 1.13 | 15.1 | 1 | 14.5 | 58.3 | 2.94 | 0.06 | 14.60 | 0.707 | 0.66 | 2.7 |
| R613696 | | 3.3 | 138.5 | 0.006 | 2.04 | 1.24 | 16.9 | 1 | 15.7 | 56.9 | 2.74 | 0.07 | 14.25 | 0.790 | 0.67 | 3.5 |
| R613697 | | 2.7 | 132.0 | 0.010 | 1.63 | 1.50 | 17.1 | 1 | 18.2 | 63.2 | 2.42 | <0.05 | 13.65 | 0.658 | 0.61 | 3.3 |
| R613698 | | <0.5 | 0.6 | <0.002 | <0.01 | 0.06 | 0.2 | <1 | 0.2 | 83.2 | <0.05 | <0.05 | 0.08 | 0.006 | <0.02 | 0.1 |
| R613699 | | 2.4 | 126.0 | 0.006 | 0.92 | 0.92 | 15.2 | 1 | 13.4 | 67.0 | 3.21 | <0.05 | 14.40 | 0.842 | 0.64 | 3.2 |
| R613700 | | 4.2 | 52.1 | 0.003 | 0.57 | 0.82 | 7.1 | <1 | 6.7 | 85.1 | 1.33 | 0.05 | 6.31 | 0.359 | 0.22 | 1.3 |
| R613701 | | 2.4 | 150.0 | 0.004 | 1.02 | 1.05 | 17.5 | 1 | 15.4 | 74.8 | 3.28 | <0.05 | 15.10 | 0.924 | 0.65 | 3.9 |
| R613702 | | 2.1 | 143.5 | 0.009 | 0.56 | 0.87 | 16.5 | <1 | 13.9 | 82.1 | 3.19 | <0.05 | 15.00 | 0.853 | 0.67 | 3.3 |
| R613703 | | 2.9 | 124.0 | 0.004 | 0.97 | 0.69 | 13.8 | 1 | 10.7 | 81.2 | 2.57 | <0.05 | 13.20 | 0.686 | 0.55 | 2.4 |
| R613704 | | 2.0 | 137.5 | 0.004 | 0.65 | 0.73 | 15.6 | <1 | 12.1 | 73.4 | 2.96 | <0.05 | 13.75 | 0.791 | 0.64 | 2.8 |
| R613705 | | 2.3 | 131.5 | 0.005 | 1.32 | 0.71 | 13.2 | 1 | 11.5 | 74.6 | 2.56 | <0.05 | 13.40 | 0.630 | 0.59 | 3.1 |
| R613706 | | 2.3 | 132.5 | 0.004 | 0.59 | 0.68 | 13.5 | <1 | 11.3 | 78.3 | 2.01 | <0.05 | 12.40 | 0.630 | 0.55 | 3.1 |
| R613707 | | 1.8 | 136.0 | 0.008 | 0.73 | 0.55 | 13.4 | <1 | 11.7 | 71.7 | 2.58 | <0.05 | 14.80 | 0.622 | 0.58 | 3.6 |
| R613708 | | 1.8 | 135.5 | 0.006 | 0.59 | 0.51 | 13.6 | <1 | 12.5 | 69.3 | 2.42 | <0.05 | 13.50 | 0.662 | 0.60 | 3.2 |
| R613709 | | 2.1 | 132.5 | 0.007 | 1.42 | 0.50 | 13.7 | 1 | 12.3 | 64.6 | 1.62 | <0.05 | 11.75 | 0.567 | 0.53 | 3.4 |
| R613710 | | 122.5 | 29.0 | <0.002 | 0.12 | 15.90 | 6.4 | <1 | 1.2 | 205 | 0.38 | <0.05 | 3.04 | 0.197 | 0.40 | 1.3 |
| R613711 | | 2.0 | 136.5 | 0.005 | 0.84 | 0.58 | 13.7 | 1 | 12.7 | 64.4 | 2.11 | <0.05 | 12.40 | 0.656 | 0.59 | 3.5 |
| R613712 | | 2.0 | 139.5 | 0.006 | 0.71 | 0.70 | 13.3 | 1 | 12.1 | 65.9 | 2.56 | <0.05 | 14.10 | 0.621 | 0.60 | 3.6 |
| R613713 | | 1.8 | 135.0 | 0.004 | 0.48 | 0.58 | 13.4 | <1 | 12.2 | 55.5 | 3.67 | <0.05 | 17.55 | 0.686 | 0.62 | 3.6 |
| R613714 | | 1.6 | 138.5 | 0.003 | 0.50 | 0.53 | 14.1 | 1 | 13.0 | 53.1 | 4.51 | <0.05 | 20.3 | 0.763 | 0.72 | 4.4 |
| R613715 | | 2.4 | 132.0 | 0.006 | 0.88 | 0.62 | 12.7 | 1 | 12.0 | 62.9 | 3.43 | <0.05 | 16.50 | 0.656 | 0.58 | 3.7 |
| R613716 | | 1.8 | 127.0 | 0.004 | 0.64 | 0.66 | 12.8 | <1 | 11.5 | 74.4 | 2.48 | <0.05 | 12.40 | 0.656 | 0.55 | 3.3 |
| R613717 | | 7.0 | 125.0 | 0.005 | 1.92 | 0.58 | 13.0 | 2 | 11.3 | 63.4 | 2.13 | 0.08 | 12.90 | 0.536 | 0.52 | 3.3 |
| R613718 | | 2.4 | 144.0 | 0.004 | 1.48 | 0.62 | 15.6 | 1 | 12.0 | 51.1 | 2.36 | <0.05 | 12.20 | 0.735 | 0.63 | 3.9 |
| R613719 | | 2.6 | 142.5 | 0.005 | 1.57 | 0.62 | 15.4 | 1 | 11.8 | 51.2 | 2.32 | <0.05 | 12.45 | 0.710 | 0.58 | 3.9 |
| R613720 | | 1.8 | 158.5 | 0.005 | 0.50 | 0.53 | 22.1 | 1 | 15.6 | 55.3 | 3.51 | <0.05 | 15.05 | 0.980 | 0.97 | 4.3 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 6-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218128

| Sample Description | Method Analyte Units LOD | 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 |
|---|---|---|---|---|---|---|
| R613681 | | 127 | 7.0 | 10.7 | 52 | 63.9 |
| R613682 | | 139 | 8.2 | 17.0 | 193 | 74.6 |
| R613683 | | 136 | 9.1 | 16.3 | 45 | 123.5 |
| R613684 | | 130 | 7.6 | 11.6 | 32 | 104.0 |
| R613685 | | 127 | 15.1 | 12.8 | 43 | 158.5 |
| R613686 | | 142 | 7.2 | 11.4 | 27 | 110.0 |
| R613687 | | 140 | 7.0 | 11.2 | 26 | 108.0 |
| R613688 | | 138 | 6.8 | 12.1 | 32 | 130.5 |
| R613689 | | 130 | 6.8 | 16.7 | 41 | 152.0 |
| R613690 | | 159 | 7.9 | 13.1 | 36 | 132.0 |
| R613691 | | 51 | 10.8 | 16.2 | 2650 | 56.6 |
| R613692 | | 155 | 8.3 | 13.9 | 33 | 161.0 |
| R613693 | | 163 | 8.8 | 17.1 | 37 | 148.5 |
| R613694 | | 154 | 9.3 | 17.7 | 37 | 128.5 |
| R613695 | | 134 | 7.2 | 16.9 | 38 | 106.5 |
| R613696 | | 157 | 8.5 | 17.7 | 31 | 146.0 |
| R613697 | | 153 | 8.7 | 17.7 | 37 | 148.5 |
| R613698 | | 2 | 0.1 | 2.0 | 3 | 1.7 |
| R613699 | | 142 | 9.0 | 18.8 | 34 | 162.5 |
| R613700 | | 61 | 5.0 | 11.9 | 31 | 45.0 |
| R613701 | | 162 | 10.8 | 22.7 | 24 | 201 |
| R613702 | | 153 | 9.9 | 20.6 | 15 | 168.5 |
| R613703 | | 125 | 8.4 | 16.3 | 14 | 97.8 |
| R613704 | | 142 | 10.1 | 18.9 | 14 | 123.0 |
| R613705 | | 132 | 8.5 | 18.0 | 13 | 125.5 |
| R613706 | | 136 | 9.1 | 14.8 | 17 | 131.5 |
| R613707 | | 148 | 9.0 | 17.0 | 11 | 154.5 |
| R613708 | | 129 | 9.6 | 17.6 | 13 | 135.0 |
| R613709 | | 146 | 9.2 | 13.8 | 12 | 120.5 |
| R613710 | | 39 | 10.1 | 16.3 | 206 | 62.7 |
| R613711 | | 147 | 10.1 | 16.2 | 11 | 138.0 |
| R613712 | | 142 | 9.1 | 17.4 | 11 | 147.0 |
| R613713 | | 125 | 9.4 | 22.1 | 13 | 161.0 |
| R613714 | | 132 | 10.9 | 24.7 | 17 | 229 |
| R613715 | | 125 | 9.5 | 17.7 | 12 | 176.0 |
| R613716 | | 137 | 10.2 | 14.3 | 11 | 150.0 |
| R613717 | | 133 | 8.8 | 14.4 | 13 | 128.5 |
| R613718 | | 155 | 11.1 | 14.7 | 8 | 160.5 |
| R613719 | | 154 | 11.4 | 15.1 | 8 | 169.5 |
| R613720 | | 191 | 15.1 | 19.3 | 7 | 193.0 |

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 6-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218128

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 6-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218122

Project: Rau

P.O. No.: R20-D27

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 6-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218122

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613721 | | 2.23 | 0.15 | 0.11 | 6.30 | 173.0 | 1170 | 2.28 | 0.91 | 2.89 | 0.05 | 97.8 | 21.1 | 52 | 3.27 | 5.6 |
| R613722 | | 0.98 | 0.03 | 0.06 | 6.87 | 45.1 | 1870 | 2.43 | 0.56 | 2.18 | <0.02 | 90.1 | 3.5 | 74 | 4.12 | 1.3 |
| R613723 | | 4.60 | 0.02 | 0.43 | 6.87 | 72.9 | 1810 | 2.38 | 1.30 | 2.01 | 0.04 | 118.5 | 10.7 | 74 | 4.57 | 3.7 |
| R613724 | | 4.50 | 0.02 | 0.06 | 7.15 | 127.0 | 1090 | 2.75 | 2.53 | 2.70 | 0.07 | 112.0 | 19.7 | 69 | 4.65 | 5.8 |
| R613725 | | 1.29 | 0.02 | 0.06 | 6.17 | 198.0 | 460 | 2.36 | 3.13 | 2.23 | 0.03 | 87.9 | 26.7 | 62 | 4.39 | 3.6 |
| R613726 | | 7.35 | 0.02 | 0.04 | 6.74 | 155.0 | 1110 | 2.77 | 1.96 | 2.80 | 0.03 | 98.8 | 15.8 | 80 | 4.75 | 3.4 |
| R613727 | | 6.20 | 0.03 | 0.06 | 7.53 | 156.0 | 1690 | 2.72 | 1.90 | 3.01 | 0.02 | 103.0 | 20.6 | 95 | 4.42 | 8.6 |
| R613728 | | 5.15 | 0.01 | <0.01 | 7.40 | 48.0 | 1930 | 2.27 | 1.29 | 3.81 | 0.06 | 97.5 | 15.6 | 86 | 3.84 | 14.2 |
| R613729 | | 1.00 | 0.02 | 0.04 | 7.48 | 246 | 560 | 2.49 | 1.82 | 3.17 | 0.06 | 105.5 | 34.9 | 81 | 4.14 | 21.9 |
| R613730 | | 1.89 | 0.02 | 0.02 | 6.73 | 586 | 630 | 2.39 | 1.55 | 3.93 | 0.05 | 81.8 | 53.5 | 73 | 3.89 | 20.5 |
| R613731 | | 0.16 | 1.41 | 73.5 | 7.28 | 31.9 | 4100 | 1.00 | 0.13 | 1.91 | 15.10 | 27.2 | 5.4 | 17 | 0.41 | 214 |
| R613732 | | 3.77 | 0.01 | 0.06 | 7.37 | 390 | 2070 | 2.73 | 0.88 | 3.27 | 0.08 | 95.1 | 32.7 | 89 | 4.63 | 9.4 |
| R613733 | | 2.03 | 0.01 | <0.01 | 7.91 | 98.4 | 2200 | 2.92 | 0.39 | 3.26 | 0.05 | 110.5 | 11.4 | 76 | 4.86 | 6.7 |
| R613734 | | 5.32 | 0.01 | <0.01 | 7.83 | 96.3 | 2190 | 2.92 | 1.07 | 3.22 | <0.02 | 111.5 | 10.9 | 77 | 4.31 | 9.2 |
| R613735 | | 4.08 | 0.03 | <0.01 | 7.93 | 1170 | 2320 | 3.02 | 1.57 | 2.36 | 0.03 | 115.5 | 39.7 | 82 | 4.28 | 2.3 |
| R613736 | | 1.29 | 0.02 | 0.06 | 6.57 | 403 | 1860 | 2.21 | 0.65 | 6.43 | <0.02 | 80.2 | 15.4 | 56 | 3.58 | 6.9 |
| R613737 | | 3.96 | 0.07 | 0.05 | 4.17 | 277 | 780 | 1.52 | 4.05 | 5.15 | 0.08 | 59.2 | 20.6 | 64 | 2.25 | 6.1 |
| R613738 | | 2.03 | <0.01 | <0.01 | 0.15 | 0.7 | 30 | 0.09 | 0.04 | 32.5 | 0.02 | 1.01 | 0.5 | 3 | <0.05 | 1.3 |
| R613739 | | 2.39 | 0.02 | 0.13 | 4.33 | 86.0 | 950 | 1.31 | 3.15 | 5.40 | 0.03 | 70.0 | 11.1 | 70 | 2.41 | 4.7 |
| R613740 | | 3.21 | 0.04 | 0.06 | 5.19 | 295 | 290 | 1.59 | 18.45 | 3.86 | 0.04 | 73.7 | 33.9 | 86 | 2.96 | 15.2 |
| R613741 | | 0.47 | 0.03 | 0.11 | 3.45 | 80.9 | 150 | 1.06 | 13.75 | 3.83 | 0.16 | 52.7 | 20.4 | 61 | 1.89 | 20.3 |
| R613742 | | 3.13 | 0.01 | 0.05 | 4.75 | 204 | 530 | 1.43 | 4.23 | 4.92 | 0.08 | 60.7 | 23.1 | 69 | 2.57 | 10.2 |
| R613743 | | 2.71 | 0.01 | 0.05 | 5.28 | 130.0 | 1010 | 1.68 | 2.53 | 5.09 | 0.12 | 76.1 | 11.5 | 104 | 2.91 | 9.4 |
| R613744 | | 0.57 | 0.02 | 0.04 | 3.94 | 384 | 700 | 1.30 | 1.74 | 3.19 | 0.17 | 46.7 | 15.9 | 65 | 2.28 | 18.2 |
| R613745 | | 2.53 | 0.01 | 0.03 | 6.35 | 153.0 | 990 | 1.93 | 2.26 | 5.44 | 0.09 | 100.0 | 14.2 | 98 | 3.82 | 8.8 |
| R613746 | | 1.13 | 0.02 | 0.01 | 6.71 | 258 | 500 | 2.09 | 2.15 | 4.62 | 0.09 | 100.5 | 20.0 | 45 | 3.95 | 10.9 |
| R613747 | | 5.28 | 0.01 | <0.01 | 6.87 | 198.0 | 2450 | 2.11 | 0.63 | 4.24 | 0.08 | 113.0 | 14.1 | 42 | 3.59 | 4.1 |
| R613748 | | 3.23 | 0.03 | 0.03 | 6.92 | 215 | 420 | 2.32 | 4.15 | 3.78 | 0.05 | 92.6 | 26.9 | 48 | 4.05 | 18.4 |
| R613749 | | 2.55 | 0.03 | 0.03 | 6.80 | 233 | 520 | 2.32 | 3.30 | 3.71 | 0.05 | 95.3 | 27.4 | 48 | 3.97 | 17.5 |
| R613750 | | 0.95 | 0.01 | <0.01 | 7.91 | 205 | 2810 | 2.53 | 0.94 | 4.64 | 0.05 | 99.0 | 18.3 | 43 | 3.98 | 7.3 |
| R613751 | | 0.76 | <0.01 | <0.01 | 7.12 | 305 | 2620 | 2.54 | 0.24 | 3.52 | 0.10 | 76.0 | 14.4 | 52 | 4.49 | 2.6 |
| R613752 | | 1.36 | <0.01 | <0.01 | 8.66 | 170.0 | 3230 | 3.25 | 0.41 | 4.04 | 0.04 | 103.0 | 14.0 | 65 | 5.29 | 2.5 |
| R613753 | | 1.62 | 0.01 | <0.01 | 7.93 | 459 | 2800 | 2.59 | 0.88 | 3.97 | 0.06 | 120.5 | 24.2 | 51 | 4.05 | 14.1 |
| R613754 | | 1.18 | 0.04 | <0.01 | 8.00 | 492 | 2900 | 2.73 | 0.64 | 3.93 | 0.04 | 112.5 | 25.1 | 56 | 4.48 | 7.3 |
| R613755 | | 2.27 | 0.12 | 0.05 | 2.59 | 206 | 890 | 0.91 | 4.29 | 4.11 | 0.13 | 34.4 | 13.8 | 36 | 1.56 | 18.4 |
| R613756 | | 0.16 | 1.26 | 73.2 | 7.14 | 31.8 | 4380 | 0.95 | 0.14 | 1.88 | 15.00 | 28.1 | 9.0 | 17 | 0.38 | 215 |
| R613757 | | 4.09 | 0.03 | 0.07 | 4.08 | 144.0 | 600 | 1.47 | 1.89 | 4.12 | 0.06 | 53.8 | 14.4 | 50 | 2.38 | 11.3 |
| R613758 | | 3.77 | 0.12 | 0.11 | 4.27 | 237 | 260 | 1.54 | 6.65 | 3.64 | 0.06 | 48.3 | 27.4 | 56 | 2.40 | 23.4 |
| R613759 | | 0.46 | 0.48 | 0.23 | 5.39 | 203 | 120 | 1.79 | 1.38 | 6.51 | 0.38 | 97.6 | 16.5 | 31 | 2.83 | 71.5 |
| R613760 | | <0.02 | 1.13 | 0.23 | 5.29 | 226 | 120 | 1.72 | 1.52 | 6.35 | 0.34 | 96.8 | 17.4 | 30 | 2.83 | 62.3 |

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

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


**Finalized Date: 6-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218122

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613721 | | 3.32 | 18.15 | 0.25 | 3.6 | 0.047 | 2.98 | 54.6 | 7.7 | 1.38 | 989 | 1.04 | 0.05 | 36.4 | 43.4 | 1450 |
| R613722 | | 1.56 | 19.85 | 0.27 | 2.8 | 0.054 | 3.33 | 51.9 | 9.0 | 1.18 | 757 | 0.36 | 0.06 | 14.1 | 18.5 | 640 |
| R613723 | | 2.17 | 20.6 | 0.30 | 3.4 | 0.052 | 3.28 | 68.5 | 8.6 | 1.07 | 663 | 1.16 | 0.06 | 20.5 | 30.8 | 810 |
| R613724 | | 3.09 | 20.8 | 0.27 | 3.8 | 0.069 | 3.48 | 62.3 | 9.2 | 1.32 | 873 | 1.61 | 0.07 | 31.5 | 45.2 | 1320 |
| R613725 | | 3.46 | 18.50 | 0.27 | 2.6 | 0.052 | 3.02 | 48.6 | 8.8 | 1.13 | 737 | 1.45 | 0.06 | 19.3 | 42.6 | 760 |
| R613726 | | 2.98 | 20.1 | 0.26 | 3.6 | 0.053 | 3.28 | 54.0 | 9.6 | 1.38 | 812 | 2.97 | 0.07 | 22.3 | 52.3 | 1450 |
| R613727 | | 3.31 | 21.8 | 0.30 | 4.6 | 0.066 | 3.66 | 55.0 | 8.6 | 1.35 | 812 | 1.96 | 0.08 | 36.8 | 70.1 | 2220 |
| R613728 | | 3.58 | 21.5 | 0.20 | 3.4 | 0.060 | 3.52 | 51.4 | 6.7 | 1.65 | 939 | 1.52 | 0.08 | 38.3 | 56.5 | 1770 |
| R613729 | | 4.70 | 21.4 | 0.25 | 4.0 | 0.056 | 3.57 | 54.3 | 7.2 | 1.37 | 834 | 4.31 | 0.08 | 32.7 | 64.8 | 2550 |
| R613730 | | 4.69 | 19.20 | 0.25 | 3.2 | 0.060 | 3.23 | 42.2 | 6.9 | 1.78 | 1020 | 2.56 | 0.07 | 25.9 | 65.5 | 1610 |
| R613731 | | 2.57 | 14.25 | 0.17 | 2.0 | 0.038 | 1.48 | 14.3 | 2.3 | 0.57 | 725 | 7.21 | 3.29 | 5.5 | 8.5 | 480 |
| R613732 | | 3.02 | 21.3 | 0.27 | 3.1 | 0.056 | 3.54 | 50.0 | 9.0 | 1.59 | 839 | 1.01 | 0.07 | 23.9 | 56.4 | 1120 |
| R613733 | | 2.56 | 23.0 | 0.28 | 2.7 | 0.059 | 3.77 | 58.7 | 9.6 | 1.55 | 817 | 0.43 | 0.08 | 26.6 | 43.3 | 1070 |
| R613734 | | 2.68 | 22.5 | 0.32 | 3.4 | 0.066 | 3.70 | 62.1 | 9.0 | 1.50 | 875 | 0.97 | 0.08 | 36.2 | 55.8 | 1370 |
| R613735 | | 1.78 | 23.0 | 0.31 | 3.6 | 0.062 | 3.80 | 61.7 | 10.9 | 1.25 | 637 | 1.25 | 0.08 | 36.1 | 58.0 | 1390 |
| R613736 | | 4.40 | 18.20 | 0.26 | 2.7 | 0.061 | 3.16 | 44.0 | 8.3 | 2.31 | 1520 | 0.98 | 0.06 | 28.7 | 31.4 | 1350 |
| R613737 | | 3.95 | 11.70 | 0.24 | 2.2 | 0.037 | 1.99 | 34.0 | 6.2 | 2.20 | 1280 | 5.96 | 0.04 | 19.0 | 38.5 | 1840 |
| R613738 | | 0.21 | 0.54 | 0.11 | 0.1 | <0.005 | 0.06 | 1.1 | 1.2 | 1.34 | 98 | 0.11 | 0.07 | 0.3 | 0.8 | 50 |
| R613739 | | 3.16 | 11.45 | 0.18 | 2.4 | 0.030 | 2.06 | 39.3 | 6.0 | 2.31 | 1120 | 5.13 | 0.04 | 23.2 | 25.9 | 2190 |
| R613740 | | 4.54 | 13.50 | 0.19 | 2.9 | 0.039 | 2.45 | 38.7 | 6.5 | 1.82 | 756 | 10.15 | 0.05 | 29.1 | 71.9 | 1780 |
| R613741 | | 6.22 | 8.63 | 0.15 | 1.7 | 0.026 | 1.61 | 30.5 | 4.3 | 1.74 | 850 | 6.21 | 0.04 | 14.7 | 57.1 | 1180 |
| R613742 | | 4.13 | 12.30 | 0.15 | 2.3 | 0.033 | 2.23 | 33.1 | 5.7 | 2.19 | 980 | 7.07 | 0.05 | 21.0 | 42.2 | 2370 |
| R613743 | | 3.70 | 14.20 | 0.20 | 2.5 | 0.049 | 2.48 | 41.7 | 6.0 | 2.18 | 1110 | 5.08 | 0.06 | 25.5 | 35.2 | 1980 |
| R613744 | | 4.09 | 10.65 | 0.15 | 2.0 | 0.045 | 1.84 | 25.3 | 4.8 | 1.38 | 784 | 5.98 | 0.04 | 19.4 | 65.7 | 1150 |
| R613745 | | 3.91 | 17.40 | 0.21 | 3.5 | 0.054 | 3.01 | 52.3 | 7.8 | 2.41 | 1120 | 6.11 | 0.07 | 36.5 | 43.5 | 1730 |
| R613746 | | 4.40 | 18.60 | 0.21 | 3.0 | 0.066 | 3.17 | 53.8 | 7.2 | 1.98 | 844 | 2.65 | 0.08 | 31.6 | 40.1 | 2320 |
| R613747 | | 2.78 | 18.80 | 0.24 | 3.3 | 0.062 | 3.25 | 61.0 | 6.8 | 1.80 | 841 | 0.53 | 0.08 | 51.6 | 15.2 | 1630 |
| R613748 | | 5.02 | 19.55 | 0.23 | 3.0 | 0.058 | 3.27 | 50.3 | 7.5 | 1.72 | 938 | 3.51 | 0.08 | 30.5 | 41.1 | 1980 |
| R613749 | | 4.85 | 19.40 | 0.23 | 3.0 | 0.064 | 3.23 | 51.7 | 7.9 | 1.70 | 932 | 3.70 | 0.08 | 33.1 | 41.1 | 1820 |
| R613750 | | 3.19 | 21.3 | 0.24 | 2.9 | 0.065 | 3.78 | 53.7 | 8.0 | 2.03 | 1110 | 0.48 | 0.10 | 42.8 | 21.0 | 1740 |
| R613751 | | 1.95 | 19.80 | 0.22 | 3.0 | 0.064 | 3.45 | 42.3 | 9.7 | 1.70 | 790 | 0.59 | 0.09 | 26.2 | 12.5 | 1040 |
| R613752 | | 1.97 | 24.0 | 0.30 | 4.4 | 0.076 | 4.17 | 56.2 | 11.4 | 1.87 | 805 | 2.42 | 0.11 | 38.0 | 17.1 | 2400 |
| R613753 | | 3.26 | 21.4 | 0.29 | 3.8 | 0.070 | 3.68 | 64.2 | 8.4 | 1.75 | 910 | 1.53 | 0.10 | 47.8 | 26.4 | 2190 |
| R613754 | | 2.56 | 22.2 | 0.30 | 3.7 | 0.069 | 3.73 | 61.1 | 9.9 | 1.79 | 835 | 1.61 | 0.11 | 47.4 | 17.7 | 1750 |
| R613755 | | 3.37 | 7.75 | 0.18 | 1.4 | 0.032 | 1.18 | 19.0 | 3.8 | 1.65 | 937 | 1.99 | 0.03 | 10.6 | 27.7 | 700 |
| R613756 | | 2.55 | 14.35 | 0.19 | 1.9 | 0.028 | 1.46 | 14.6 | 2.3 | 0.56 | 717 | 6.98 | 3.24 | 5.6 | 8.8 | 480 |
| R613757 | | 3.40 | 11.45 | 0.19 | 2.2 | 0.036 | 1.85 | 29.4 | 6.2 | 1.91 | 937 | 5.27 | 0.05 | 18.9 | 36.8 | 1120 |
| R613758 | | 4.58 | 11.80 | 0.18 | 2.3 | 0.036 | 1.96 | 26.8 | 5.8 | 1.59 | 941 | 7.68 | 0.05 | 18.6 | 53.7 | 1310 |
| R613759 | | 8.90 | 15.25 | 0.25 | 2.5 | 0.059 | 2.45 | 51.8 | 5.8 | 1.88 | 1210 | 0.74 | 0.07 | 29.1 | 55.6 | 1470 |
| R613760 | | 8.76 | 14.60 | 0.23 | 2.3 | 0.065 | 2.42 | 50.7 | 5.5 | 1.83 | 1180 | 0.72 | 0.07 | 27.8 | 55.7 | 1390 |

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

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**Finalized Date: 6-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218122

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613721 | | 3.8 | 128.5 | 0.003 | 1.56 | 1.27 | 14.4 | 2 | 13.4 | 51.4 | 1.94 | <0.05 | 11.20 | 0.515 | 0.67 | 3.6 |
| R613722 | | 1.3 | 145.5 | 0.003 | 0.41 | 0.57 | 13.5 | 1 | 12.8 | 43.6 | 0.92 | <0.05 | 13.25 | 0.359 | 0.65 | 2.1 |
| R613723 | | 2.2 | 155.0 | <0.002 | 0.75 | 0.76 | 13.6 | 1 | 10.7 | 49.0 | 1.19 | <0.05 | 13.80 | 0.426 | 0.73 | 2.8 |
| R613724 | | 2.8 | 159.5 | 0.003 | 1.29 | 0.64 | 14.1 | 1 | 8.3 | 66.8 | 1.67 | 0.07 | 13.55 | 0.591 | 0.77 | 3.4 |
| R613725 | | 4.1 | 143.0 | 0.003 | 2.04 | 0.80 | 12.3 | 2 | 7.0 | 55.5 | 1.08 | 0.13 | 12.40 | 0.388 | 0.68 | 2.5 |
| R613726 | | 2.5 | 159.5 | 0.009 | 1.28 | 0.78 | 14.1 | 1 | 8.0 | 71.0 | 1.32 | 0.06 | 13.25 | 0.520 | 0.69 | 3.6 |
| R613727 | | 2.5 | 158.5 | 0.006 | 1.27 | 0.84 | 17.6 | 1 | 9.4 | 69.9 | 2.07 | 0.05 | 11.80 | 0.849 | 0.79 | 4.3 |
| R613728 | | 2.6 | 156.5 | 0.006 | 1.30 | 0.74 | 16.4 | 1 | 8.5 | 82.2 | 2.12 | <0.05 | 9.79 | 0.917 | 0.78 | 3.3 |
| R613729 | | 2.7 | 160.0 | 0.008 | 1.97 | 0.79 | 17.1 | 2 | 8.7 | 74.7 | 1.86 | 0.06 | 10.00 | 0.806 | 0.75 | 3.7 |
| R613730 | | 3.2 | 149.0 | 0.005 | 1.94 | 0.78 | 14.4 | 2 | 7.8 | 83.2 | 1.43 | 0.08 | 8.95 | 0.626 | 0.72 | 2.8 |
| R613731 | | 1455 | 34.5 | 0.009 | 0.50 | 107.5 | 7.6 | 3 | 1.7 | 215 | 0.40 | 0.05 | 2.71 | 0.197 | 0.37 | 1.8 |
| R613732 | | 4.4 | 165.0 | 0.003 | 0.79 | 0.69 | 15.8 | 1 | 8.3 | 74.0 | 1.38 | <0.05 | 11.70 | 0.625 | 0.75 | 2.6 |
| R613733 | | 2.0 | 177.5 | <0.002 | 0.43 | 0.52 | 15.8 | 1 | 9.5 | 69.8 | 1.59 | <0.05 | 13.65 | 0.612 | 0.86 | 2.5 |
| R613734 | | 2.1 | 166.0 | 0.004 | 0.79 | 0.61 | 14.9 | 1 | 14.2 | 59.6 | 1.78 | <0.05 | 13.70 | 0.641 | 0.77 | 3.0 |
| R613735 | | 2.1 | 160.0 | 0.002 | 0.52 | 0.80 | 16.2 | 1 | 19.6 | 56.9 | 1.97 | 0.05 | 12.80 | 0.757 | 0.71 | 3.3 |
| R613736 | | 4.5 | 134.0 | 0.003 | 1.32 | 1.17 | 13.7 | 1 | 14.0 | 117.5 | 1.47 | <0.05 | 9.20 | 0.547 | 0.66 | 4.0 |
| R613737 | | 3.4 | 87.8 | 0.010 | 1.74 | 0.56 | 10.7 | 2 | 8.8 | 92.0 | 1.02 | 0.07 | 6.08 | 0.330 | 0.45 | 3.1 |
| R613738 | | 0.5 | 1.9 | 0.002 | <0.01 | 0.05 | 0.2 | <1 | <0.2 | 80.7 | <0.05 | <0.05 | 0.10 | 0.005 | 0.02 | 0.4 |
| R613739 | | 2.7 | 88.8 | 0.010 | 1.29 | 0.47 | 10.1 | 1 | 7.4 | 110.0 | 1.33 | 0.05 | 6.96 | 0.409 | 0.42 | 9.2 |
| R613740 | | 2.9 | 108.5 | 0.007 | 2.47 | 0.62 | 12.8 | 2 | 6.9 | 89.2 | 1.57 | 0.14 | 6.56 | 0.516 | 0.52 | 5.7 |
| R613741 | | 5.9 | 68.9 | 0.008 | 3.41 | 0.81 | 8.4 | 2 | 3.8 | 81.8 | 0.79 | 0.13 | 4.85 | 0.287 | 0.38 | 3.9 |
| R613742 | | 3.3 | 95.2 | 0.015 | 1.92 | 0.46 | 11.3 | 2 | 5.3 | 105.0 | 1.23 | 0.07 | 6.25 | 0.391 | 0.49 | 13.5 |
| R613743 | | 7.3 | 113.5 | 0.009 | 1.20 | 0.53 | 13.1 | 1 | 6.3 | 114.5 | 1.40 | 0.05 | 7.83 | 0.426 | 0.55 | 3.2 |
| R613744 | | 7.0 | 81.6 | 0.010 | 1.78 | 0.44 | 9.5 | 2 | 4.3 | 68.7 | 1.08 | <0.05 | 4.48 | 0.305 | 0.41 | 4.0 |
| R613745 | | 3.9 | 130.0 | 0.005 | 1.31 | 0.57 | 14.7 | 1 | 6.8 | 131.5 | 2.05 | <0.05 | 9.96 | 0.603 | 0.68 | 4.0 |
| R613746 | | 3.8 | 136.5 | 0.005 | 1.88 | 0.62 | 14.7 | 2 | 5.8 | 126.5 | 1.69 | <0.05 | 10.25 | 0.525 | 0.67 | 2.9 |
| R613747 | | 2.4 | 136.5 | <0.002 | 0.49 | 0.44 | 14.0 | 1 | 5.6 | 100.5 | 2.90 | <0.05 | 12.00 | 0.628 | 0.70 | 3.1 |
| R613748 | | 4.4 | 148.0 | 0.004 | 2.03 | 1.46 | 16.6 | 1 | 5.1 | 85.1 | 1.63 | 0.05 | 10.10 | 0.550 | 0.74 | 3.2 |
| R613749 | | 4.3 | 146.0 | 0.004 | 1.94 | 1.39 | 15.8 | 1 | 5.2 | 82.7 | 1.69 | <0.05 | 10.35 | 0.572 | 0.72 | 3.1 |
| R613750 | | 3.7 | 155.5 | 0.002 | 0.77 | 0.62 | 21.3 | 1 | 6.3 | 93.7 | 2.33 | <0.05 | 9.48 | 0.880 | 0.86 | 2.7 |
| R613751 | | 3.9 | 157.5 | 0.003 | 0.22 | 0.74 | 18.5 | 1 | 5.4 | 82.2 | 1.49 | <0.05 | 9.70 | 0.589 | 0.75 | 2.9 |
| R613752 | | 2.2 | 182.0 | 0.008 | 0.18 | 0.82 | 22.8 | <1 | 7.2 | 102.0 | 2.12 | <0.05 | 12.45 | 0.843 | 0.99 | 4.7 |
| R613753 | | 8.6 | 158.5 | 0.003 | 1.00 | 0.61 | 19.3 | 1 | 6.1 | 89.6 | 2.66 | <0.05 | 13.05 | 0.730 | 0.85 | 4.4 |
| R613754 | | 3.7 | 165.5 | 0.004 | 0.55 | 0.70 | 19.4 | 1 | 6.2 | 94.0 | 2.51 | <0.05 | 11.85 | 0.773 | 0.90 | 3.7 |
| R613755 | | 5.9 | 55.6 | 0.005 | 1.40 | 2.72 | 6.9 | 2 | 2.0 | 76.4 | 0.56 | <0.05 | 3.77 | 0.199 | 0.31 | 2.1 |
| R613756 | | 1445 | 32.9 | 0.013 | 0.50 | 108.0 | 7.6 | 3 | 1.9 | 211 | 0.39 | <0.05 | 2.74 | 0.195 | 0.34 | 1.7 |
| R613757 | | 3.7 | 81.9 | 0.015 | 1.65 | 6.48 | 9.3 | 2 | 3.0 | 81.3 | 1.07 | <0.05 | 6.09 | 0.308 | 0.47 | 3.2 |
| R613758 | | 3.3 | 83.4 | 0.014 | 2.39 | 2.63 | 10.2 | 3 | 3.0 | 71.2 | 1.05 | 0.07 | 6.01 | 0.332 | 0.49 | 4.2 |
| R613759 | | 22.9 | 107.0 | 0.002 | 5.62 | 4.38 | 14.8 | 5 | 4.2 | 94.8 | 1.47 | 0.11 | 7.02 | 0.497 | 1.43 | 4.0 |
| R613760 | | 25.1 | 104.0 | 0.002 | 5.57 | 4.38 | 14.6 | 4 | 4.0 | 93.5 | 1.35 | 0.14 | 7.13 | 0.472 | 1.34 | 4.0 |

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

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**Finalized Date: 6-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218122

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613721 | | 126 | 10.0 | 15.1 | 9 | 142.5 |
| R613722 | | 121 | 7.5 | 11.5 | 10 | 91.7 |
| R613723 | | 120 | 9.2 | 12.6 | 8 | 113.5 |
| R613724 | | 131 | 9.2 | 16.1 | 12 | 143.0 |
| R613725 | | 104 | 6.5 | 11.0 | 8 | 97.9 |
| R613726 | | 143 | 8.7 | 13.5 | 8 | 131.0 |
| R613727 | | 173 | 12.4 | 19.0 | 10 | 188.0 |
| R613728 | | 172 | 11.4 | 16.3 | 10 | 148.0 |
| R613729 | | 206 | 11.1 | 18.2 | 12 | 172.0 |
| R613730 | | 164 | 9.1 | 13.5 | 11 | 124.5 |
| R613731 | | 53 | 11.2 | 18.2 | 2710 | 61.8 |
| R613732 | | 140 | 8.5 | 16.6 | 16 | 120.0 |
| R613733 | | 120 | 7.9 | 18.1 | 10 | 114.5 |
| R613734 | | 129 | 8.8 | 20.0 | 8 | 145.5 |
| R613735 | | 151 | 11.1 | 16.7 | 7 | 154.0 |
| R613736 | | 136 | 9.0 | 18.3 | 9 | 120.0 |
| R613737 | | 135 | 6.8 | 10.4 | 15 | 94.3 |
| R613738 | | 1 | 0.1 | 2.2 | 3 | 2.2 |
| R613739 | | 156 | 7.7 | 11.3 | 11 | 98.4 |
| R613740 | | 188 | 8.7 | 11.9 | 9 | 130.0 |
| R613741 | | 117 | 4.9 | 8.2 | 20 | 74.8 |
| R613742 | | 166 | 7.3 | 11.0 | 12 | 100.5 |
| R613743 | | 163 | 7.9 | 11.5 | 32 | 108.5 |
| R613744 | | 135 | 6.2 | 8.6 | 29 | 88.4 |
| R613745 | | 157 | 9.8 | 13.9 | 19 | 143.5 |
| R613746 | | 132 | 7.8 | 17.5 | 17 | 121.5 |
| R613747 | | 121 | 8.5 | 19.3 | 14 | 146.5 |
| R613748 | | 148 | 8.5 | 17.0 | 11 | 126.0 |
| R613749 | | 146 | 8.4 | 17.1 | 11 | 128.5 |
| R613750 | | 177 | 13.7 | 18.3 | 13 | 118.0 |
| R613751 | | 138 | 9.1 | 13.6 | 15 | 118.0 |
| R613752 | | 196 | 12.6 | 19.3 | 11 | 176.5 |
| R613753 | | 157 | 10.9 | 22.2 | 18 | 175.0 |
| R613754 | | 157 | 11.0 | 19.0 | 14 | 155.0 |
| R613755 | | 68 | 3.7 | 7.7 | 19 | 58.8 |
| R613756 | | 52 | 67.0 | 18.2 | 2720 | 61.2 |
| R613757 | | 133 | 6.1 | 9.1 | 13 | 92.7 |
| R613758 | | 136 | 6.3 | 10.0 | 12 | 97.0 |
| R613759 | | 121 | 9.3 | 20.5 | 51 | 107.5 |
| R613760 | | 119 | 8.8 | 19.7 | 47 | 104.0 |

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

Project: Rau


**Finalized Date: 6-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218122

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | |
|---|---|---|---|
| Au-AA26 | ME-MS61 | | |

ALS Canada Ltd.

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


**Finalized Date: 4-JAN-2021**
**Account: RCM**

# CERTIFICATE WH20290329

Project: RCM_ WH20218122

This report is for 6 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-DEC-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| FND-02 | Find Sample for Addn Analysis |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: RCM_ WH20218122


**Finalized Date: 4-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20290329

| Sample Description | Method Analyte Units LOD | Au-AA26 Au ppm 0.01 |
|---|---|---|
| R613740 | | 0.05 |
| R613752 | | 0.02 |
| R613757 | | 0.09 |
| R613758 | | 0.05 |
| R613759 | | 0.28 |
| R613760 | | 0.74 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: RCM_ WH20218122


**Finalized Date: 4-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20290329

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA26 FND-02

ALS Canada Ltd.

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218089

Project: Rau

P.O. No.: R20-D28

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218089

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233481 | | 4.73 | 0.08 | 0.31 | 4.43 | 179.5 | 1690 | 1.81 | 1.01 | 3.12 | 0.12 | 64.6 | 15.1 | 59 | 2.38 | 107.5 |
| W233482 | | 2.91 | 0.12 | 0.16 | 4.25 | 178.0 | 1600 | 1.65 | 1.10 | 5.10 | 0.08 | 57.6 | 17.5 | 63 | 2.26 | 172.5 |
| W233483 | | 0.54 | 0.04 | 0.11 | 5.43 | 190.5 | 2030 | 2.21 | 0.59 | 0.37 | 0.02 | 41.3 | 7.0 | 85 | 3.03 | 135.0 |
| W233484 | | 0.54 | 0.22 | 0.92 | 3.75 | 1775 | 1110 | 1.61 | 2.00 | 0.20 | 0.06 | 45.3 | 18.9 | 57 | 2.51 | 166.0 |
| W233485 | | 1.34 | 0.02 | 0.22 | 4.65 | 769 | 1620 | 1.79 | 1.24 | 0.65 | 0.18 | 59.6 | 16.8 | 70 | 2.40 | 312 |
| W233486 | | 2.88 | 0.07 | 0.19 | 4.56 | 1665 | 1600 | 1.76 | 1.52 | 0.71 | 0.09 | 57.0 | 13.9 | 73 | 2.36 | 302 |
| W233487 | | 0.16 | 1.24 | 59.0 | 6.92 | 31.5 | 4190 | 1.12 | 0.13 | 1.83 | 15.05 | 26.4 | 5.0 | 17 | 0.42 | 211 |
| W233488 | | 4.57 | 0.03 | 0.22 | 4.53 | 436 | 1630 | 1.83 | 1.07 | 1.21 | 0.09 | 53.0 | 20.3 | 70 | 2.39 | 274 |
| W233489 | | 4.93 | 0.09 | 0.14 | 4.13 | 209 | 1480 | 1.67 | 1.10 | 2.50 | 0.06 | 53.1 | 14.0 | 68 | 2.25 | 171.0 |
| W233490 | | 2.17 | 0.18 | 0.19 | 4.23 | 319 | 1570 | 1.76 | 1.47 | 2.27 | 0.06 | 55.3 | 18.7 | 63 | 2.35 | 157.0 |
| W233491 | | 1.39 | 0.13 | 0.17 | 4.07 | 115.5 | 1080 | 1.62 | 3.99 | 4.13 | 0.05 | 50.6 | 12.8 | 67 | 2.39 | 125.0 |
| W233492 | | 0.70 | 0.12 | 0.28 | 1.90 | 170.0 | 220 | 0.67 | 1.74 | 5.24 | 0.07 | 20.2 | 14.4 | 30 | 0.88 | 340 |
| W233493 | | 2.09 | <0.01 | <0.01 | 0.24 | 0.7 | 30 | 0.19 | 0.05 | 31.7 | <0.02 | 1.21 | 0.8 | 2 | <0.05 | 3.7 |
| W233494 | | 1.30 | 0.12 | 0.17 | 3.59 | 133.0 | 300 | 1.47 | 1.83 | 4.98 | 0.08 | 48.7 | 11.2 | 63 | 2.09 | 149.5 |
| W233495 | | 3.25 | 0.06 | 0.14 | 3.62 | 62.0 | 540 | 1.35 | 1.72 | 4.75 | 0.09 | 46.6 | 9.2 | 64 | 1.97 | 96.9 |
| W233496 | | 2.80 | 0.06 | 0.14 | 3.37 | 127.0 | 310 | 1.29 | 2.00 | 4.31 | 0.07 | 48.1 | 10.5 | 63 | 1.95 | 112.5 |
| W233497 | | 1.36 | 0.03 | 0.09 | 2.74 | 30.0 | 1040 | 1.03 | 1.52 | 4.47 | 0.08 | 38.9 | 5.2 | 52 | 1.60 | 49.7 |
| W233498 | | 1.68 | 0.08 | 0.13 | 3.21 | 128.0 | 410 | 1.16 | 2.30 | 3.39 | 0.06 | 34.6 | 9.1 | 57 | 1.82 | 82.8 |
| W233499 | | 1.33 | 0.07 | 0.15 | 3.31 | 121.5 | 360 | 1.20 | 2.96 | 2.71 | 0.08 | 38.1 | 13.6 | 62 | 1.88 | 63.1 |
| W233500 | | 1.74 | 0.10 | 0.13 | 3.55 | 137.0 | 240 | 1.29 | 3.12 | 3.23 | 0.07 | 44.5 | 19.3 | 65 | 2.05 | 58.8 |
| W233501 | | 1.51 | 0.04 | 0.09 | 3.30 | 88.9 | 470 | 1.26 | 1.85 | 2.83 | 0.08 | 42.3 | 14.7 | 56 | 2.00 | 68.4 |
| W233502 | | 1.37 | 0.03 | 0.08 | 3.41 | 71.8 | 480 | 1.29 | 1.72 | 2.78 | 0.08 | 42.6 | 13.4 | 54 | 2.04 | 58.7 |
| W233503 | | 4.88 | 0.02 | 0.09 | 3.15 | 100.0 | 310 | 1.21 | 1.49 | 2.39 | 0.08 | 38.3 | 17.5 | 55 | 1.89 | 88.6 |
| W233504 | | 0.97 | 0.01 | 0.10 | 2.70 | 116.0 | 290 | 0.94 | 0.55 | 3.11 | 0.29 | 35.1 | 14.9 | 42 | 1.37 | 76.1 |
| W233505 | | 1.32 | 0.01 | 0.07 | 3.72 | 90.6 | 280 | 1.39 | 0.85 | 2.17 | 0.13 | 52.0 | 16.7 | 61 | 2.23 | 59.1 |
| W233506 | | 3.78 | 0.01 | 0.10 | 3.83 | 83.1 | 400 | 1.40 | 2.23 | 1.97 | 0.08 | 49.7 | 11.8 | 54 | 2.27 | 56.3 |
| W233507 | | 0.16 | 0.65 | 1.43 | 7.04 | 30.9 | 810 | 1.03 | 0.20 | 1.78 | 1.08 | 25.1 | 4.7 | 13 | 0.34 | 43.0 |
| W233508 | | 4.32 | 0.07 | 0.10 | 4.31 | 136.5 | 480 | 1.72 | 3.69 | 1.08 | 0.08 | 55.8 | 13.5 | 64 | 2.52 | 45.6 |
| W233509 | | 0.72 | 0.04 | 0.11 | 4.81 | 235 | 1590 | 1.67 | 0.88 | 0.52 | 0.23 | 79.0 | 7.2 | 67 | 2.59 | 24.7 |
| W233510 | | 0.66 | 0.61 | 1.20 | 0.63 | 3770 | 40 | 0.35 | 3.15 | 0.14 | 0.44 | 19.70 | 42.5 | 14 | 0.40 | 336 |
| W233511 | | 1.64 | 0.03 | 0.23 | 5.06 | 189.5 | 440 | 1.69 | 2.42 | 0.64 | 0.25 | 56.1 | 11.4 | 83 | 2.48 | 28.3 |
| W233512 | | 0.59 | 0.07 | 0.19 | 4.52 | 347 | 140 | 1.51 | 4.13 | 0.42 | 0.39 | 45.0 | 20.4 | 74 | 1.97 | 84.6 |
| W233513 | | 2.24 | 0.06 | 0.19 | 4.62 | 262 | 270 | 1.73 | 3.00 | 0.81 | 0.24 | 56.5 | 13.8 | 66 | 2.18 | 66.6 |
| W233514 | | <0.02 | 0.02 | 0.20 | 4.57 | 229 | 400 | 1.66 | 2.72 | 0.77 | 0.22 | 58.0 | 12.9 | 70 | 2.17 | 64.8 |
| W233515 | | 0.29 | 0.04 | 0.25 | 3.81 | 937 | 60 | 1.46 | 7.61 | 1.16 | 0.57 | 49.4 | 30.8 | 62 | 1.84 | 223 |
| W233516 | | 1.83 | 0.03 | 0.37 | 3.46 | 89.7 | 1020 | 1.06 | 2.85 | 5.14 | 0.14 | 48.4 | 8.2 | 58 | 1.65 | 34.4 |
| W233517 | | 0.66 | 0.07 | 0.11 | 1.05 | 96.0 | 310 | 0.30 | 3.82 | 6.06 | 0.48 | 8.63 | 8.4 | 21 | 0.42 | 64.1 |
| W233518 | | 1.05 | 0.08 | 0.22 | 4.26 | 53.9 | 430 | 1.41 | 5.99 | 4.44 | 0.30 | 53.4 | 12.4 | 69 | 2.23 | 45.2 |
| W233519 | | 0.71 | 0.14 | 0.14 | 1.53 | 123.5 | 210 | 0.48 | 5.92 | 9.23 | 0.08 | 16.10 | 13.7 | 24 | 0.61 | 68.2 |
| W233520 | | 2.86 | 0.14 | 0.18 | 3.48 | 89.5 | 180 | 1.17 | 8.56 | 5.53 | 0.13 | 46.3 | 16.1 | 56 | 1.80 | 45.8 |

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

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**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218089

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233481 | | 4.08 | 12.45 | 0.17 | 2.2 | 0.044 | 1.98 | 34.7 | 14.5 | 0.93 | 1440 | 3.79 | 0.07 | 15.2 | 31.9 | 2510 |
| W233482 | | 4.82 | 12.05 | 0.14 | 2.0 | 0.046 | 1.90 | 29.3 | 11.8 | 1.29 | 1520 | 6.70 | 0.07 | 15.2 | 37.0 | 2230 |
| W233483 | | 2.38 | 15.80 | 0.14 | 2.8 | 0.054 | 2.43 | 21.2 | 16.0 | 0.23 | 133 | 3.59 | 0.09 | 19.7 | 16.1 | 1470 |
| W233484 | | 11.55 | 10.30 | 0.12 | 4.1 | 0.061 | 1.25 | 25.0 | 11.4 | 0.15 | 710 | 9.66 | 0.05 | 6.5 | 53.8 | 1870 |
| W233485 | | 4.70 | 13.55 | 0.12 | 2.4 | 0.066 | 1.98 | 31.2 | 11.1 | 0.27 | 4520 | 8.66 | 0.08 | 16.3 | 68.1 | 1990 |
| W233486 | | 5.98 | 13.35 | 0.12 | 2.2 | 0.061 | 1.99 | 30.6 | 10.8 | 0.26 | 2460 | 12.50 | 0.08 | 12.9 | 51.8 | 2230 |
| W233487 | | 2.45 | 13.60 | 0.12 | 1.8 | 0.040 | 1.42 | 14.1 | 2.8 | 0.54 | 708 | 6.74 | 3.18 | 5.4 | 8.3 | 480 |
| W233488 | | 4.92 | 13.25 | 0.13 | 2.5 | 0.061 | 2.02 | 27.5 | 9.9 | 0.53 | 1440 | 12.60 | 0.08 | 16.8 | 54.6 | 1720 |
| W233489 | | 4.90 | 11.75 | 0.12 | 2.2 | 0.046 | 1.82 | 28.2 | 9.6 | 0.99 | 1030 | 11.45 | 0.07 | 15.0 | 47.7 | 2190 |
| W233490 | | 5.12 | 12.55 | 0.12 | 2.3 | 0.040 | 1.90 | 29.5 | 11.0 | 0.95 | 1400 | 9.43 | 0.07 | 14.3 | 56.6 | 2600 |
| W233491 | | 4.10 | 11.75 | 0.12 | 2.1 | 0.037 | 1.84 | 27.1 | 10.3 | 1.80 | 1080 | 9.13 | 0.07 | 14.9 | 41.2 | 2530 |
| W233492 | | 6.50 | 4.98 | 0.07 | 0.8 | 0.047 | 0.84 | 11.2 | 3.9 | 2.30 | 1660 | 5.69 | 0.03 | 4.9 | 47.3 | 1120 |
| W233493 | | 0.22 | 0.79 | 0.06 | 0.1 | 0.005 | 0.10 | 1.2 | 1.3 | 1.25 | 101 | 0.09 | 0.10 | 0.7 | 0.2 | 60 |
| W233494 | | 4.40 | 9.91 | 0.11 | 1.9 | 0.038 | 1.59 | 26.5 | 8.7 | 2.03 | 1110 | 7.80 | 0.06 | 13.2 | 38.1 | 3130 |
| W233495 | | 3.66 | 10.05 | 0.09 | 1.8 | 0.035 | 1.64 | 24.7 | 9.1 | 1.94 | 943 | 7.62 | 0.06 | 13.2 | 35.9 | 2630 |
| W233496 | | 3.65 | 9.48 | 0.09 | 1.7 | 0.035 | 1.53 | 25.6 | 8.2 | 1.67 | 816 | 9.53 | 0.05 | 13.1 | 42.3 | 3680 |
| W233497 | | 2.88 | 7.77 | 0.08 | 1.2 | 0.028 | 1.27 | 21.4 | 7.1 | 1.86 | 903 | 5.12 | 0.04 | 9.4 | 21.5 | 2150 |
| W233498 | | 3.06 | 8.83 | 0.08 | 1.6 | 0.035 | 1.48 | 19.2 | 7.7 | 1.45 | 647 | 7.19 | 0.05 | 11.8 | 39.7 | 1660 |
| W233499 | | 3.15 | 9.02 | 0.09 | 1.7 | 0.032 | 1.53 | 21.3 | 7.8 | 1.13 | 606 | 7.42 | 0.05 | 13.9 | 43.7 | 1920 |
| W233500 | | 3.42 | 9.55 | 0.10 | 1.8 | 0.035 | 1.65 | 24.9 | 8.3 | 1.41 | 719 | 6.79 | 0.05 | 14.7 | 50.5 | 1670 |
| W233501 | | 3.26 | 9.10 | 0.09 | 1.9 | 0.034 | 1.54 | 23.7 | 7.8 | 1.27 | 723 | 5.88 | 0.04 | 15.5 | 40.7 | 1490 |
| W233502 | | 2.78 | 9.15 | 0.09 | 1.9 | 0.031 | 1.60 | 24.0 | 8.0 | 1.28 | 708 | 5.37 | 0.05 | 15.1 | 39.0 | 1250 |
| W233503 | | 3.63 | 8.45 | 0.09 | 1.6 | 0.033 | 1.47 | 21.5 | 7.0 | 1.15 | 711 | 5.26 | 0.04 | 12.3 | 51.9 | 900 |
| W233504 | | 4.00 | 6.99 | 0.08 | 1.3 | 0.035 | 1.24 | 18.6 | 4.6 | 1.45 | 951 | 3.22 | 0.04 | 9.8 | 35.2 | 870 |
| W233505 | | 4.23 | 9.96 | 0.10 | 2.0 | 0.047 | 1.73 | 27.4 | 7.6 | 1.07 | 685 | 6.84 | 0.05 | 15.3 | 40.5 | 1600 |
| W233506 | | 2.95 | 10.10 | 0.10 | 2.3 | 0.042 | 1.79 | 26.0 | 8.3 | 1.01 | 533 | 5.90 | 0.05 | 17.8 | 34.8 | 1330 |
| W233507 | | 2.29 | 13.05 | 0.11 | 1.9 | 0.057 | 1.43 | 12.5 | 2.1 | 0.55 | 705 | 4.55 | 3.23 | 5.6 | 5.6 | 410 |
| W233508 | | 2.98 | 12.35 | 0.12 | 2.5 | 0.040 | 2.00 | 28.9 | 9.3 | 0.60 | 454 | 6.31 | 0.05 | 19.6 | 39.9 | 1340 |
| W233509 | | 1.45 | 13.50 | 0.13 | 2.5 | 0.040 | 2.22 | 41.5 | 8.9 | 0.26 | 181 | 7.27 | 0.06 | 21.2 | 18.3 | 2230 |
| W233510 | | 15.80 | 1.90 | 0.11 | 0.5 | 0.132 | 0.28 | 10.1 | 1.4 | 0.07 | 572 | 2.08 | 0.01 | 1.2 | 208 | 500 |
| W233511 | | 3.18 | 13.75 | 0.10 | 2.5 | 0.052 | 2.29 | 29.7 | 8.7 | 0.23 | 178 | 9.15 | 0.06 | 15.5 | 29.3 | 2860 |
| W233512 | | 5.80 | 12.05 | 0.09 | 2.1 | 0.053 | 2.03 | 23.5 | 7.1 | 0.22 | 591 | 7.65 | 0.05 | 11.9 | 51.3 | 1750 |
| W233513 | | 5.04 | 12.95 | 0.11 | 2.4 | 0.064 | 2.08 | 30.6 | 8.3 | 0.29 | 1260 | 8.42 | 0.06 | 13.3 | 47.2 | 3020 |
| W233514 | | 5.44 | 13.20 | 0.11 | 2.3 | 0.053 | 2.05 | 32.1 | 8.2 | 0.28 | 1300 | 8.46 | 0.06 | 12.9 | 43.1 | 2880 |
| W233515 | | 10.65 | 10.75 | 0.11 | 1.9 | 0.077 | 1.70 | 27.3 | 5.6 | 0.30 | 1640 | 6.20 | 0.05 | 8.5 | 95.3 | 4640 |
| W233516 | | 3.87 | 9.46 | 0.09 | 1.7 | 0.040 | 1.60 | 27.7 | 5.4 | 2.07 | 1320 | 6.34 | 0.04 | 13.2 | 27.9 | 2660 |
| W233517 | | 5.70 | 2.56 | <0.05 | 0.4 | 0.046 | 0.47 | 4.6 | 1.3 | 2.38 | 1740 | 1.47 | 0.02 | 2.2 | 35.8 | 910 |
| W233518 | | 5.53 | 12.10 | 0.11 | 2.6 | 0.057 | 1.97 | 30.5 | 6.4 | 1.96 | 1610 | 12.50 | 0.06 | 20.2 | 42.3 | 1430 |
| W233519 | | 7.50 | 4.00 | 0.06 | 0.6 | 0.043 | 0.69 | 9.1 | 2.1 | 3.87 | 2670 | 2.53 | 0.02 | 4.1 | 40.8 | 1270 |
| W233520 | | 5.74 | 10.05 | 0.08 | 2.0 | 0.048 | 1.58 | 26.2 | 5.3 | 2.37 | 1650 | 9.67 | 0.05 | 16.1 | 53.4 | 1720 |

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

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Project: Rau


**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218089

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233481 | | 3.7 | 79.6 | <0.002 | 0.08 | 3.13 | 10.7 | 2 | 2.6 | 86.7 | 0.84 | 0.12 | 6.98 | 0.331 | 0.62 | 3.9 |
| W233482 | | 4.9 | 78.8 | <0.002 | 0.22 | 3.55 | 8.5 | 3 | 2.6 | 103.5 | 0.86 | 0.10 | 7.69 | 0.262 | 0.59 | 3.5 |
| W233483 | | 3.2 | 102.0 | <0.002 | 0.05 | 3.25 | 11.0 | 2 | 3.5 | 34.1 | 1.13 | 0.07 | 8.89 | 0.360 | 0.69 | 4.0 |
| W233484 | | 11.0 | 53.1 | 0.006 | 0.07 | 24.3 | 9.0 | 7 | 2.6 | 43.7 | 0.36 | 1.44 | 6.98 | 0.133 | 0.75 | 7.8 |
| W233485 | | 5.0 | 82.4 | 0.002 | 0.08 | 3.62 | 9.8 | 2 | 3.1 | 49.7 | 0.93 | 0.12 | 8.71 | 0.284 | 0.72 | 5.1 |
| W233486 | | 6.1 | 86.9 | 0.006 | 0.21 | 4.68 | 9.9 | 4 | 5.6 | 47.1 | 0.72 | 0.22 | 7.56 | 0.226 | 0.66 | 5.3 |
| W233487 | | 1420 | 29.5 | 0.009 | 0.48 | 106.0 | 6.8 | 3 | 1.7 | 204 | 0.36 | 0.06 | 2.65 | 0.189 | 0.33 | 1.7 |
| W233488 | | 5.0 | 85.7 | 0.012 | 0.51 | 2.75 | 9.8 | 4 | 3.3 | 43.7 | 0.93 | 0.11 | 8.31 | 0.256 | 0.70 | 5.4 |
| W233489 | | 4.7 | 77.5 | 0.016 | 0.43 | 3.08 | 9.2 | 3 | 2.8 | 58.6 | 0.84 | 0.10 | 6.64 | 0.248 | 0.52 | 4.9 |
| W233490 | | 4.5 | 79.3 | 0.005 | 0.45 | 4.16 | 9.8 | 3 | 3.4 | 59.2 | 0.83 | 0.09 | 6.98 | 0.251 | 0.59 | 5.1 |
| W233491 | | 6.2 | 77.4 | 0.011 | 0.99 | 3.19 | 9.4 | 2 | 5.5 | 85.4 | 0.85 | 0.12 | 6.11 | 0.275 | 0.51 | 4.5 |
| W233492 | | 4.5 | 33.4 | 0.008 | 2.76 | 2.35 | 4.9 | 4 | 1.3 | 68.4 | 0.30 | 0.08 | 2.41 | 0.101 | 0.33 | 2.7 |
| W233493 | | 1.0 | 2.8 | <0.002 | 0.01 | 0.08 | 0.2 | 1 | 0.2 | 78.5 | 0.09 | <0.05 | 0.20 | <0.005 | 0.03 | 0.3 |
| W233494 | | 5.9 | 66.6 | 0.018 | 1.65 | 2.47 | 8.1 | 3 | 2.4 | 91.0 | 0.75 | 0.10 | 5.30 | 0.263 | 0.46 | 4.1 |
| W233495 | | 7.9 | 67.3 | 0.019 | 1.27 | 1.68 | 8.0 | 2 | 2.5 | 90.5 | 0.77 | 0.08 | 5.71 | 0.268 | 0.48 | 3.8 |
| W233496 | | 5.6 | 66.4 | 0.024 | 1.53 | 1.62 | 7.7 | 3 | 2.5 | 88.9 | 0.77 | 0.09 | 5.69 | 0.244 | 0.44 | 6.7 |
| W233497 | | 4.9 | 51.7 | 0.017 | 0.69 | 1.09 | 6.4 | 1 | 2.0 | 88.2 | 0.52 | 0.06 | 3.92 | 0.188 | 0.36 | 3.0 |
| W233498 | | 7.2 | 60.2 | 0.024 | 1.46 | 1.59 | 6.9 | 2 | 2.5 | 69.9 | 0.67 | 0.07 | 4.02 | 0.242 | 0.42 | 3.3 |
| W233499 | | 6.0 | 62.7 | 0.020 | 1.45 | 1.45 | 7.3 | 2 | 3.1 | 62.4 | 0.77 | 0.12 | 4.20 | 0.259 | 0.45 | 4.4 |
| W233500 | | 7.2 | 66.8 | 0.016 | 1.90 | 1.36 | 7.9 | 3 | 3.0 | 69.7 | 0.81 | 0.16 | 4.50 | 0.277 | 0.45 | 4.4 |
| W233501 | | 5.2 | 63.7 | 0.012 | 1.38 | 0.94 | 7.2 | 2 | 2.9 | 65.3 | 0.85 | 0.12 | 4.73 | 0.259 | 0.39 | 3.8 |
| W233502 | | 5.1 | 65.8 | 0.014 | 1.24 | 0.92 | 7.3 | 2 | 2.8 | 63.9 | 0.83 | 0.11 | 4.69 | 0.259 | 0.40 | 3.6 |
| W233503 | | 5.0 | 61.9 | 0.011 | 1.53 | 0.97 | 6.6 | 2 | 2.9 | 56.5 | 0.67 | 0.15 | 4.33 | 0.227 | 0.39 | 3.2 |
| W233504 | | 5.1 | 50.5 | 0.007 | 1.73 | 1.20 | 5.2 | 2 | 3.1 | 59.9 | 0.54 | 0.09 | 3.44 | 0.171 | 0.43 | 2.6 |
| W233505 | | 5.7 | 72.9 | 0.017 | 1.75 | 0.92 | 7.9 | 2 | 4.3 | 50.7 | 0.80 | 0.06 | 5.79 | 0.264 | 0.48 | 4.6 |
| W233506 | | 4.5 | 72.9 | 0.016 | 1.39 | 1.20 | 8.1 | 2 | 4.5 | 47.1 | 0.98 | 0.09 | 5.73 | 0.312 | 0.51 | 4.0 |
| W233507 | | 118.5 | 28.7 | <0.002 | 0.11 | 14.60 | 6.4 | <1 | 1.1 | 201 | 0.38 | <0.05 | 2.82 | 0.191 | 0.41 | 1.2 |
| W233508 | | 5.0 | 86.0 | 0.016 | 1.45 | 3.46 | 9.5 | 2 | 6.5 | 33.3 | 1.10 | 0.09 | 6.52 | 0.342 | 0.75 | 4.6 |
| W233509 | | 6.1 | 93.1 | 0.017 | 0.60 | 5.96 | 9.6 | 1 | 10.7 | 24.6 | 1.25 | 0.06 | 7.64 | 0.377 | 0.86 | 4.4 |
| W233510 | | 133.0 | 12.1 | 0.002 | >10.0 | 161.5 | 2.8 | 15 | 2.1 | 5.0 | 0.07 | 0.62 | 1.39 | 0.025 | 10.95 | 4.3 |
| W233511 | | 14.4 | 91.7 | 0.017 | 1.49 | 4.54 | 9.2 | 2 | 9.5 | 28.4 | 0.84 | 0.08 | 8.53 | 0.275 | 0.72 | 4.9 |
| W233512 | | 18.3 | 81.3 | 0.013 | 2.85 | 9.23 | 8.6 | 3 | 8.0 | 22.3 | 0.70 | 0.15 | 6.85 | 0.213 | 1.11 | 4.9 |
| W233513 | | 15.8 | 90.4 | 0.015 | 1.91 | 9.96 | 9.8 | 2 | 8.3 | 32.8 | 0.80 | 0.09 | 8.72 | 0.246 | 1.24 | 6.4 |
| W233514 | | 16.5 | 88.5 | 0.015 | 1.65 | 9.02 | 9.6 | 2 | 8.1 | 31.7 | 0.74 | 0.10 | 8.68 | 0.239 | 1.19 | 6.2 |
| W233515 | | 21.3 | 73.9 | 0.015 | 5.07 | 11.70 | 9.1 | 7 | 7.2 | 34.0 | 0.49 | 0.28 | 6.01 | 0.158 | 1.18 | 7.9 |
| W233516 | | 9.1 | 65.0 | 0.017 | 1.06 | 2.03 | 6.4 | 1 | 6.3 | 87.1 | 0.80 | 0.07 | 7.05 | 0.234 | 0.49 | 4.9 |
| W233517 | | 6.0 | 19.6 | 0.009 | 2.24 | 1.15 | 2.6 | 3 | 1.5 | 68.1 | 0.13 | 0.06 | 1.22 | 0.036 | 0.25 | 5.1 |
| W233518 | | 9.1 | 83.9 | 0.025 | 1.70 | 2.00 | 8.3 | 2 | 8.7 | 71.5 | 1.18 | 0.12 | 7.20 | 0.305 | 0.57 | 5.6 |
| W233519 | | 7.5 | 29.4 | 0.008 | 3.15 | 1.09 | 4.9 | 3 | 2.3 | 109.5 | 0.25 | 0.11 | 1.81 | 0.066 | 0.29 | 1.8 |
| W233520 | | 10.9 | 71.6 | 0.024 | 2.28 | 1.92 | 7.6 | 2 | 6.6 | 88.0 | 0.96 | 0.13 | 6.36 | 0.229 | 0.51 | 5.9 |

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

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

Project: Rau


**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218089

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233481 | | 144 | 3.4 | 13.0 | 19 | 88.7 |
| W233482 | | 155 | 2.4 | 11.2 | 18 | 83.3 |
| W233483 | | 229 | 3.5 | 9.2 | 14 | 105.0 |
| W233484 | | 165 | 4.4 | 10.0 | 49 | 142.0 |
| W233485 | | 272 | 4.0 | 11.5 | 20 | 97.0 |
| W233486 | | 258 | 2.7 | 11.1 | 19 | 89.9 |
| W233487 | | 51 | 11.7 | 15.8 | 2640 | 57.1 |
| W233488 | | 214 | 2.6 | 11.5 | 20 | 96.2 |
| W233489 | | 191 | 2.4 | 11.4 | 17 | 91.7 |
| W233490 | | 182 | 2.8 | 12.9 | 25 | 102.5 |
| W233491 | | 177 | 2.3 | 12.1 | 17 | 89.0 |
| W233492 | | 89 | 1.0 | 7.7 | 16 | 32.4 |
| W233493 | | 1 | <0.1 | 2.4 | 4 | 2.9 |
| W233494 | | 191 | 2.7 | 11.6 | 18 | 77.9 |
| W233495 | | 196 | 2.2 | 10.7 | 20 | 67.4 |
| W233496 | | 223 | 2.2 | 12.0 | 13 | 69.3 |
| W233497 | | 169 | 1.6 | 9.0 | 14 | 48.4 |
| W233498 | | 205 | 2.1 | 7.8 | 11 | 58.8 |
| W233499 | | 175 | 2.7 | 9.7 | 11 | 68.1 |
| W233500 | | 170 | 2.2 | 9.4 | 12 | 73.0 |
| W233501 | | 143 | 2.0 | 9.2 | 11 | 77.2 |
| W233502 | | 148 | 1.9 | 8.4 | 11 | 75.3 |
| W233503 | | 114 | 1.8 | 7.2 | 12 | 65.8 |
| W233504 | | 80 | 1.6 | 7.5 | 31 | 52.0 |
| W233505 | | 124 | 2.2 | 10.1 | 16 | 79.0 |
| W233506 | | 134 | 2.4 | 8.7 | 10 | 89.5 |
| W233507 | | 37 | 10.1 | 16.1 | 202 | 58.6 |
| W233508 | | 143 | 2.9 | 9.9 | 11 | 99.6 |
| W233509 | | 162 | 4.0 | 10.8 | 17 | 98.8 |
| W233510 | | 30 | 2.0 | 20.6 | 63 | 26.6 |
| W233511 | | 187 | 3.9 | 12.7 | 31 | 98.7 |
| W233512 | | 161 | 2.6 | 10.7 | 42 | 91.5 |
| W233513 | | 172 | 3.3 | 13.1 | 33 | 98.4 |
| W233514 | | 172 | 3.1 | 12.8 | 32 | 93.8 |
| W233515 | | 173 | 2.6 | 16.3 | 82 | 86.7 |
| W233516 | | 195 | 4.6 | 10.3 | 22 | 66.4 |
| W233517 | | 43 | 0.4 | 5.7 | 118 | 14.6 |
| W233518 | | 210 | 3.9 | 10.6 | 69 | 120.0 |
| W233519 | | 69 | 0.7 | 9.9 | 20 | 26.5 |
| W233520 | | 171 | 2.6 | 11.8 | 21 | 81.9 |

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

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

Project: Rau


**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218089

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218153

Project: Rau

P.O. No.: R20-D29

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218153

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613761 | | 1.73 | 0.01 | 0.07 | 7.17 | 191.0 | 960 | 2.31 | 1.42 | 3.84 | 0.05 | 100.0 | 16.0 | 42 | 3.88 | 15.2 |
| R613762 | | 2.21 | 0.03 | 0.14 | 7.29 | 354 | 260 | 2.13 | 4.37 | 4.47 | 0.02 | 98.6 | 38.6 | 29 | 3.16 | 34.8 |
| R613763 | | 2.01 | 0.03 | 0.01 | 0.19 | 2.4 | 30 | 0.13 | 0.03 | 33.5 | <0.02 | 1.46 | 0.8 | 2 | 0.05 | 1.5 |
| R613764 | | 4.26 | 0.03 | 0.12 | 4.85 | 257 | 480 | 1.43 | 2.61 | 5.63 | 0.36 | 62.1 | 15.3 | 61 | 2.64 | 21.6 |
| R613765 | | 3.93 | 0.17 | 0.05 | 5.03 | 176.0 | 470 | 1.53 | 10.75 | 5.09 | 0.07 | 65.0 | 11.9 | 78 | 2.95 | 18.2 |
| R613766 | | 0.28 | 0.20 | 0.09 | 5.92 | 196.0 | 360 | 1.79 | 28.4 | 3.65 | 0.07 | 89.9 | 16.7 | 76 | 3.46 | 21.9 |
| R613767 | | 1.30 | 0.08 | 0.10 | 6.26 | 213 | 640 | 1.94 | 7.36 | 4.20 | 0.07 | 85.3 | 15.3 | 81 | 3.81 | 19.3 |
| R613768 | | 3.55 | 0.02 | 0.03 | 6.57 | 365 | 2290 | 2.05 | 2.01 | 4.85 | 0.07 | 103.0 | 17.1 | 59 | 3.79 | 15.0 |
| R613769 | | 4.04 | <0.01 | 0.48 | 6.98 | 456 | 1930 | 2.22 | 1.76 | 4.60 | 0.12 | 106.5 | 16.0 | 55 | 4.02 | 16.9 |
| R613770 | | 1.08 | 0.01 | 0.05 | 5.71 | 224 | 210 | 1.82 | 1.44 | 3.72 | 0.09 | 82.9 | 15.7 | 40 | 3.22 | 17.8 |
| R613771 | | <0.02 | 0.01 | 0.05 | 5.89 | 192.5 | 190 | 1.82 | 1.51 | 3.82 | 0.07 | 80.3 | 16.2 | 40 | 3.24 | 18.4 |
| R613772 | | 1.96 | 0.05 | 0.09 | 4.24 | 264 | 510 | 1.46 | 4.43 | 3.93 | 0.11 | 65.1 | 19.2 | 48 | 2.40 | 24.3 |
| R613773 | | 2.35 | 0.02 | 0.08 | 2.63 | 254 | 950 | 0.88 | 6.28 | 2.33 | 0.05 | 25.6 | 13.9 | 40 | 1.49 | 10.5 |
| R613774 | | 4.02 | 0.03 | 0.07 | 3.08 | 80.6 | 800 | 1.09 | 6.25 | 2.92 | 0.08 | 31.1 | 11.1 | 49 | 1.89 | 10.1 |
| R613775 | | 4.09 | 0.05 | 0.13 | 3.07 | 86.4 | 420 | 1.10 | 5.46 | 2.64 | 0.08 | 38.5 | 11.7 | 44 | 1.75 | 7.4 |
| R613776 | | 2.94 | 0.05 | 0.10 | 3.41 | 56.4 | 820 | 1.23 | 7.27 | 2.75 | 0.07 | 36.9 | 9.8 | 54 | 2.01 | 5.8 |
| R613777 | | 4.70 | 0.07 | 0.16 | 3.91 | 72.6 | 730 | 1.38 | 9.96 | 3.55 | 0.07 | 54.9 | 11.6 | 53 | 2.40 | 11.6 |
| R613778 | | 5.29 | 0.14 | 0.17 | 3.65 | 107.5 | 290 | 1.16 | 8.07 | 3.13 | 0.08 | 52.3 | 14.0 | 48 | 2.22 | 10.8 |
| R613779 | | 5.08 | 0.05 | 0.13 | 4.34 | 95.5 | 710 | 1.53 | 6.67 | 3.14 | 0.07 | 60.9 | 12.2 | 56 | 2.54 | 10.8 |
| R613780 | | 5.22 | 0.06 | 0.15 | 4.73 | 153.0 | 390 | 1.66 | 7.18 | 1.07 | 0.08 | 65.1 | 15.4 | 67 | 2.60 | 12.1 |
| R613781 | | 5.53 | 0.10 | 0.12 | 4.63 | 81.6 | 590 | 1.55 | 5.56 | 1.79 | 0.06 | 58.9 | 11.1 | 64 | 2.63 | 8.2 |
| R613782 | | 5.96 | 0.08 | 0.16 | 5.09 | 88.0 | 580 | 1.64 | 6.31 | 3.41 | 0.12 | 73.2 | 13.3 | 82 | 2.98 | 6.9 |
| R613783 | | 2.75 | 0.02 | 0.06 | 5.77 | 74.2 | 1750 | 1.80 | 2.61 | 3.41 | 0.04 | 76.2 | 7.5 | 107 | 3.24 | 4.8 |
| R613784 | | 1.31 | 0.03 | 0.17 | 4.45 | 232 | 160 | 1.70 | 6.52 | 4.03 | 0.09 | 54.8 | 22.4 | 72 | 2.40 | 12.5 |
| R613785 | | 1.70 | 0.07 | 0.21 | 5.34 | 138.0 | 200 | 1.97 | 7.69 | 3.86 | 0.05 | 69.4 | 19.9 | 80 | 3.13 | 8.4 |
| R613786 | | 4.15 | 0.07 | 0.13 | 5.60 | 119.5 | 340 | 2.08 | 7.43 | 3.13 | 0.05 | 67.8 | 15.3 | 92 | 3.24 | 6.7 |
| R613787 | | 1.01 | 0.13 | 0.32 | 3.32 | 138.0 | 110 | 1.16 | 16.00 | 4.77 | 0.15 | 39.1 | 34.1 | 47 | 1.78 | 13.1 |
| R613788 | | 0.16 | 0.63 | 2.89 | 7.10 | 26.9 | 840 | 1.06 | 0.22 | 1.78 | 1.05 | 24.1 | 4.7 | 13 | 0.34 | 45.1 |
| R613789 | | 6.72 | 0.07 | 0.16 | 4.86 | 83.0 | 630 | 1.78 | 7.27 | 4.03 | 0.08 | 66.1 | 12.0 | 74 | 2.72 | 4.9 |
| R613790 | | 3.21 | 0.05 | 0.14 | 5.09 | 78.7 | 580 | 1.88 | 5.18 | 2.92 | 0.08 | 78.8 | 14.5 | 74 | 2.94 | 4.1 |
| R613791 | | 2.72 | 0.07 | 0.16 | 4.98 | 90.2 | 630 | 1.70 | 4.92 | 3.08 | 0.08 | 74.9 | 15.9 | 73 | 2.78 | 4.0 |
| R613792 | | 4.25 | 0.03 | 0.10 | 7.12 | 191.5 | 550 | 2.54 | 3.69 | 0.63 | 0.03 | 93.9 | 24.3 | 124 | 4.05 | 4.6 |
| R613793 | | 1.10 | <0.01 | 0.11 | 1.62 | 6.1 | 580 | 0.54 | 0.28 | 0.65 | 0.16 | 34.6 | 1.0 | 77 | 0.85 | 1.1 |
| R613794 | | 3.61 | 0.04 | 0.11 | 6.61 | 206 | 740 | 2.25 | 1.30 | 0.55 | 0.11 | 90.5 | 24.5 | 115 | 3.81 | 17.2 |
| R613795 | | 0.90 | 0.02 | 0.27 | 2.57 | 111.0 | 110 | 0.80 | 2.10 | 0.47 | 0.19 | 34.4 | 32.6 | 48 | 1.36 | 36.2 |
| R613796 | | 0.16 | 1.32 | 70.7 | 7.10 | 29.9 | 4410 | 1.02 | 0.13 | 1.86 | 15.40 | 26.1 | 4.9 | 17 | 0.42 | 212 |
| R613797 | | 4.79 | 0.02 | 0.13 | 4.87 | 1790 | 310 | 1.65 | 0.85 | 0.66 | 0.09 | 78.0 | 25.1 | 96 | 2.58 | 19.4 |
| R613798 | | 2.05 | 0.17 | 0.10 | 6.57 | >10000 | 140 | 2.07 | 3.49 | 3.70 | 0.03 | 52.4 | 49.6 | 93 | 3.04 | 27.8 |
| R613799 | | 4.70 | 0.14 | 0.26 | 5.10 | 7280 | 200 | 1.71 | 2.70 | 6.70 | 0.22 | 67.2 | 32.5 | 59 | 2.85 | 46.2 |
| R613800 | | 1.20 | 0.07 | 0.10 | 5.44 | 3250 | 250 | 1.83 | 1.85 | 4.60 | 0.19 | 81.0 | 17.7 | 44 | 3.13 | 34.7 |

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

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Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

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


**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218153

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613761 | | 3.52 | 19.45 | 0.16 | 3.3 | 0.078 | 3.35 | 52.4 | 9.1 | 1.65 | 934 | 0.50 | 0.09 | 49.6 | 26.0 | 1740 |
| R613762 | | 6.85 | 19.50 | 0.17 | 2.3 | 0.067 | 3.34 | 49.3 | 6.7 | 1.94 | 1170 | 0.41 | 0.10 | 43.6 | 55.3 | 1740 |
| R613763 | | 0.11 | 0.70 | <0.05 | 0.1 | 0.009 | 0.04 | 1.3 | 1.4 | 1.70 | 91 | 0.05 | 0.09 | 0.5 | 0.3 | 80 |
| R613764 | | 4.44 | 13.45 | 0.11 | 2.0 | 0.050 | 2.25 | 32.4 | 6.3 | 2.22 | 1140 | 4.49 | 0.06 | 26.2 | 44.1 | 1550 |
| R613765 | | 3.77 | 14.00 | 0.10 | 2.2 | 0.044 | 2.32 | 34.0 | 7.5 | 2.21 | 1040 | 6.51 | 0.06 | 24.8 | 44.8 | 1740 |
| R613766 | | 3.85 | 16.80 | 0.12 | 3.0 | 0.058 | 2.83 | 46.5 | 8.5 | 1.68 | 757 | 8.56 | 0.08 | 34.3 | 49.3 | 1970 |
| R613767 | | 4.04 | 17.35 | 0.13 | 3.3 | 0.058 | 2.90 | 44.0 | 9.3 | 1.96 | 819 | 8.99 | 0.08 | 34.2 | 52.2 | 2110 |
| R613768 | | 3.36 | 18.95 | 0.15 | 2.9 | 0.068 | 3.13 | 54.7 | 9.2 | 2.03 | 857 | 1.74 | 0.08 | 39.8 | 31.3 | 2350 |
| R613769 | | 3.48 | 19.35 | 0.16 | 3.0 | 0.067 | 3.27 | 56.6 | 9.3 | 1.94 | 721 | 0.68 | 0.09 | 47.1 | 29.2 | 1660 |
| R613770 | | 4.39 | 16.10 | 0.14 | 2.6 | 0.060 | 2.63 | 42.3 | 7.9 | 1.68 | 720 | 1.35 | 0.07 | 39.6 | 36.0 | 1460 |
| R613771 | | 4.88 | 15.75 | 0.15 | 2.6 | 0.058 | 2.70 | 40.2 | 7.9 | 1.72 | 742 | 1.36 | 0.07 | 40.2 | 37.5 | 1520 |
| R613772 | | 3.51 | 12.50 | 0.12 | 2.1 | 0.044 | 1.94 | 35.7 | 6.3 | 1.65 | 825 | 2.75 | 0.05 | 22.5 | 40.2 | 1910 |
| R613773 | | 2.12 | 7.62 | 0.07 | 1.2 | 0.027 | 1.22 | 14.6 | 4.5 | 1.02 | 570 | 2.61 | 0.03 | 9.2 | 29.5 | 920 |
| R613774 | | 2.34 | 9.05 | 0.07 | 1.4 | 0.032 | 1.47 | 17.8 | 5.9 | 1.31 | 699 | 3.81 | 0.04 | 12.7 | 32.9 | 1540 |
| R613775 | | 2.34 | 8.87 | 0.09 | 1.3 | 0.030 | 1.45 | 22.4 | 5.7 | 1.15 | 585 | 4.31 | 0.04 | 12.5 | 35.1 | 1420 |
| R613776 | | 2.26 | 9.65 | 0.09 | 1.9 | 0.035 | 1.61 | 20.8 | 6.6 | 1.27 | 696 | 4.27 | 0.04 | 16.0 | 31.1 | 1340 |
| R613777 | | 2.73 | 11.40 | 0.10 | 2.1 | 0.037 | 1.85 | 29.6 | 8.1 | 1.69 | 728 | 5.31 | 0.05 | 21.5 | 35.0 | 1150 |
| R613778 | | 3.35 | 10.75 | 0.11 | 2.1 | 0.037 | 1.67 | 27.9 | 7.6 | 1.42 | 638 | 5.93 | 0.04 | 18.8 | 35.7 | 1230 |
| R613779 | | 2.84 | 12.75 | 0.10 | 2.4 | 0.049 | 2.01 | 32.5 | 8.7 | 1.53 | 640 | 4.89 | 0.05 | 20.2 | 32.7 | 1290 |
| R613780 | | 3.44 | 13.60 | 0.12 | 2.8 | 0.048 | 2.13 | 35.3 | 8.6 | 0.64 | 408 | 8.16 | 0.06 | 21.6 | 43.7 | 1580 |
| R613781 | | 2.40 | 12.85 | 0.11 | 2.6 | 0.041 | 2.12 | 31.5 | 8.9 | 0.91 | 384 | 7.25 | 0.06 | 22.9 | 33.8 | 1500 |
| R613782 | | 2.75 | 14.05 | 0.13 | 2.9 | 0.049 | 2.36 | 38.3 | 9.4 | 1.60 | 566 | 5.84 | 0.06 | 31.3 | 39.4 | 1760 |
| R613783 | | 2.02 | 16.10 | 0.14 | 3.3 | 0.053 | 2.71 | 39.5 | 10.7 | 1.62 | 551 | 1.62 | 0.07 | 37.4 | 22.4 | 1740 |
| R613784 | | 4.71 | 11.45 | 0.13 | 2.7 | 0.035 | 2.13 | 28.3 | 8.8 | 1.79 | 656 | 10.20 | 0.06 | 29.4 | 69.3 | 1470 |
| R613785 | | 3.83 | 13.85 | 0.16 | 2.9 | 0.041 | 2.59 | 35.9 | 11.5 | 1.68 | 514 | 6.38 | 0.07 | 29.7 | 59.0 | 2440 |
| R613786 | | 3.00 | 14.40 | 0.16 | 3.1 | 0.041 | 2.70 | 35.9 | 11.9 | 1.52 | 460 | 7.57 | 0.07 | 33.4 | 44.1 | 1680 |
| R613787 | | 5.77 | 8.25 | 0.12 | 1.5 | 0.026 | 1.59 | 21.4 | 6.8 | 2.14 | 762 | 15.20 | 0.05 | 14.8 | 86.3 | 1550 |
| R613788 | | 2.41 | 13.05 | 0.11 | 1.9 | 0.057 | 1.54 | 13.1 | 2.4 | 0.58 | 733 | 5.50 | 3.36 | 6.0 | 5.8 | 410 |
| R613789 | | 2.82 | 12.40 | 0.15 | 2.7 | 0.035 | 2.34 | 36.3 | 10.0 | 1.89 | 613 | 4.85 | 0.07 | 25.7 | 39.2 | 2060 |
| R613790 | | 2.31 | 13.70 | 0.17 | 3.0 | 0.037 | 2.48 | 42.3 | 10.4 | 1.35 | 446 | 5.41 | 0.07 | 31.8 | 36.2 | 2290 |
| R613791 | | 2.53 | 12.50 | 0.17 | 2.6 | 0.034 | 2.41 | 40.3 | 9.7 | 1.39 | 472 | 5.34 | 0.07 | 29.6 | 36.7 | 2240 |
| R613792 | | 2.55 | 17.95 | 0.20 | 3.4 | 0.047 | 3.53 | 51.6 | 11.6 | 0.34 | 25 | 5.31 | 0.10 | 34.8 | 66.9 | 2570 |
| R613793 | | 0.40 | 3.98 | 0.13 | 0.5 | 0.010 | 0.75 | 21.2 | 2.8 | 0.12 | 54 | 2.16 | 0.03 | 5.1 | 8.3 | 1810 |
| R613794 | | 2.74 | 16.90 | 0.19 | 2.9 | 0.044 | 3.26 | 54.7 | 9.6 | 0.30 | 33 | 13.90 | 0.10 | 25.8 | 78.1 | 1830 |
| R613795 | | 5.45 | 6.17 | 0.11 | 0.9 | 0.021 | 1.20 | 20.8 | 3.7 | 0.12 | 59 | 3.12 | 0.04 | 5.9 | 104.5 | 1530 |
| R613796 | | 2.59 | 13.75 | 0.13 | 1.9 | 0.037 | 1.53 | 14.5 | 2.7 | 0.57 | 727 | 7.31 | 3.34 | 5.9 | 8.9 | 460 |
| R613797 | | 3.07 | 12.75 | 0.15 | 2.1 | 0.034 | 2.32 | 44.9 | 6.5 | 0.22 | 41 | 5.62 | 0.07 | 15.2 | 79.4 | 2390 |
| R613798 | | 6.03 | 16.50 | 0.14 | 2.9 | 0.058 | 3.11 | 27.2 | 7.7 | 1.62 | 830 | 15.05 | 0.10 | 19.3 | 94.3 | 1170 |
| R613799 | | 7.32 | 13.25 | 0.16 | 2.3 | 0.057 | 2.42 | 35.2 | 7.2 | 2.70 | 1300 | 3.50 | 0.07 | 24.0 | 47.9 | 1370 |
| R613800 | | 5.12 | 14.75 | 0.16 | 2.8 | 0.058 | 2.59 | 43.7 | 6.9 | 1.81 | 913 | 3.45 | 0.08 | 31.9 | 40.4 | 1820 |

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

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**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218153

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613761 | | 10.9 | 134.5 | <0.002 | 1.33 | 0.79 | 17.2 | 2 | 5.9 | 84.4 | 2.65 | 0.12 | 10.65 | 0.839 | 0.78 | 4.2 |
| R613762 | | 6.7 | 127.5 | <0.002 | 3.55 | 1.05 | 16.7 | 5 | 5.2 | 88.0 | 2.19 | 0.12 | 8.98 | 0.845 | 0.79 | 3.6 |
| R613763 | | <0.5 | 1.8 | <0.002 | 0.01 | 0.11 | 0.3 | 1 | <0.2 | 79.6 | 0.05 | <0.05 | 0.16 | 0.008 | 0.02 | 0.3 |
| R613764 | | 17.1 | 91.9 | 0.006 | 1.64 | 1.11 | 11.6 | 3 | 3.5 | 109.0 | 1.32 | 0.08 | 6.47 | 0.472 | 0.52 | 3.7 |
| R613765 | | 5.4 | 97.3 | 0.008 | 1.51 | 1.55 | 12.1 | 3 | 3.5 | 107.0 | 1.28 | 0.08 | 7.13 | 0.438 | 0.52 | 4.2 |
| R613766 | | 6.7 | 117.0 | 0.007 | 1.84 | 1.75 | 13.4 | 3 | 4.2 | 93.4 | 1.74 | 0.08 | 9.19 | 0.566 | 0.65 | 4.3 |
| R613767 | | 4.6 | 117.0 | 0.011 | 1.64 | 2.10 | 13.4 | 3 | 4.0 | 108.0 | 1.83 | 0.06 | 9.32 | 0.575 | 0.65 | 4.9 |
| R613768 | | 3.6 | 127.0 | 0.002 | 0.84 | 0.84 | 13.5 | 1 | 4.5 | 128.5 | 2.02 | 0.07 | 11.50 | 0.581 | 0.68 | 3.5 |
| R613769 | | 3.5 | 131.0 | <0.002 | 0.99 | 0.94 | 13.6 | 2 | 4.6 | 138.5 | 2.38 | 0.10 | 11.75 | 0.671 | 0.72 | 3.9 |
| R613770 | | 3.4 | 102.0 | <0.002 | 2.47 | 2.73 | 11.1 | 2 | 3.7 | 104.0 | 1.98 | 0.10 | 9.32 | 0.511 | 0.67 | 3.4 |
| R613771 | | 3.6 | 103.5 | <0.002 | 2.96 | 2.69 | 10.7 | 3 | 3.7 | 104.0 | 2.04 | 0.08 | 9.38 | 0.541 | 0.67 | 3.4 |
| R613772 | | 11.3 | 78.0 | 0.007 | 1.53 | 2.76 | 9.0 | 3 | 3.0 | 89.3 | 1.14 | 0.16 | 6.99 | 0.350 | 0.46 | 5.5 |
| R613773 | | 6.6 | 48.7 | 0.007 | 1.00 | 1.99 | 6.0 | 1 | 1.7 | 50.1 | 0.51 | 0.08 | 2.92 | 0.175 | 0.28 | 2.9 |
| R613774 | | 7.0 | 60.3 | 0.008 | 1.14 | 0.70 | 7.2 | 2 | 2.1 | 64.7 | 0.69 | 0.08 | 3.54 | 0.218 | 0.34 | 3.8 |
| R613775 | | 11.0 | 56.2 | 0.007 | 1.44 | 0.93 | 7.0 | 2 | 2.0 | 58.5 | 0.67 | 0.07 | 3.86 | 0.219 | 0.36 | 4.1 |
| R613776 | | 6.8 | 62.4 | 0.005 | 1.17 | 1.83 | 7.4 | 2 | 2.2 | 58.3 | 0.89 | 0.08 | 4.31 | 0.266 | 0.35 | 3.2 |
| R613777 | | 6.4 | 73.7 | 0.012 | 1.35 | 1.41 | 8.5 | 2 | 2.7 | 80.6 | 1.13 | 0.09 | 6.08 | 0.335 | 0.47 | 4.5 |
| R613778 | | 6.9 | 68.8 | 0.009 | 2.13 | 5.85 | 8.2 | 2 | 2.6 | 66.8 | 1.02 | 0.09 | 5.79 | 0.313 | 0.44 | 4.4 |
| R613779 | | 8.5 | 81.5 | 0.009 | 1.26 | 1.96 | 10.0 | 2 | 3.0 | 73.7 | 1.10 | 0.08 | 6.81 | 0.371 | 0.48 | 4.9 |
| R613780 | | 11.3 | 84.2 | 0.016 | 1.87 | 3.11 | 10.6 | 3 | 3.1 | 37.3 | 1.12 | 0.08 | 6.79 | 0.382 | 0.50 | 5.0 |
| R613781 | | 10.4 | 82.7 | 0.012 | 1.20 | 2.12 | 9.8 | 2 | 3.0 | 48.5 | 1.19 | <0.05 | 7.08 | 0.398 | 0.50 | 4.9 |
| R613782 | | 14.9 | 91.5 | 0.009 | 1.43 | 1.24 | 12.0 | 2 | 3.6 | 81.1 | 1.65 | 0.05 | 7.53 | 0.557 | 0.59 | 5.2 |
| R613783 | | 8.9 | 104.0 | 0.003 | 0.70 | 0.83 | 15.2 | 1 | 4.0 | 84.3 | 2.00 | <0.05 | 7.79 | 0.625 | 0.60 | 5.1 |
| R613784 | | 16.1 | 83.8 | 0.013 | 3.13 | 3.77 | 11.2 | 3 | 3.4 | 76.0 | 1.67 | 0.08 | 6.52 | 0.466 | 0.56 | 5.9 |
| R613785 | | 21.4 | 102.0 | 0.014 | 2.62 | 3.85 | 12.3 | 3 | 3.8 | 89.9 | 1.74 | 0.08 | 8.76 | 0.499 | 0.76 | 16.4 |
| R613786 | | 14.9 | 106.0 | 0.010 | 1.84 | 1.07 | 13.3 | 2 | 4.0 | 78.2 | 1.93 | 0.06 | 8.27 | 0.555 | 0.63 | 5.3 |
| R613787 | | 29.1 | 61.5 | 0.013 | 4.15 | 1.45 | 7.4 | 4 | 2.1 | 92.3 | 0.83 | 0.11 | 4.04 | 0.255 | 0.37 | 5.1 |
| R613788 | | 122.5 | 30.4 | <0.002 | 0.12 | 15.15 | 6.9 | 1 | 1.2 | 205 | 0.41 | <0.05 | 2.93 | 0.198 | 0.42 | 1.3 |
| R613789 | | 29.8 | 92.5 | 0.011 | 1.36 | 0.82 | 10.8 | 2 | 3.5 | 89.3 | 1.56 | 0.07 | 7.85 | 0.442 | 0.52 | 5.9 |
| R613790 | | 27.4 | 101.0 | 0.010 | 1.31 | 0.79 | 11.9 | 2 | 3.9 | 71.5 | 1.91 | 0.05 | 9.37 | 0.523 | 0.57 | 6.9 |
| R613791 | | 34.1 | 94.5 | 0.009 | 1.46 | 0.89 | 10.9 | 2 | 3.5 | 69.1 | 1.71 | 0.06 | 8.22 | 0.508 | 0.53 | 5.8 |
| R613792 | | 17.9 | 138.0 | 0.012 | 2.11 | 0.83 | 16.5 | 2 | 4.5 | 35.4 | 2.07 | 0.05 | 11.30 | 0.570 | 0.79 | 5.9 |
| R613793 | | 32.7 | 30.5 | 0.002 | 0.12 | 2.56 | 3.3 | 1 | 0.9 | 21.3 | 0.24 | <0.05 | 3.18 | 0.101 | 0.18 | 0.9 |
| R613794 | | 21.1 | 131.5 | 0.013 | 1.79 | 0.77 | 15.1 | 3 | 4.0 | 34.3 | 1.52 | <0.05 | 9.73 | 0.484 | 0.73 | 5.9 |
| R613795 | | 48.8 | 47.5 | 0.004 | 3.81 | 1.26 | 5.4 | 5 | 1.3 | 18.3 | 0.33 | 0.06 | 3.48 | 0.119 | 0.29 | 4.6 |
| R613796 | | 1450 | 31.5 | 0.011 | 0.50 | 104.5 | 7.1 | 3 | 1.8 | 212 | 0.42 | 0.07 | 2.97 | 0.195 | 0.34 | 1.8 |
| R613797 | | 30.5 | 95.0 | 0.009 | 2.04 | 1.05 | 10.3 | 3 | 3.0 | 30.9 | 0.89 | 0.08 | 8.66 | 0.279 | 0.52 | 5.7 |
| R613798 | | 8.7 | 123.5 | 0.014 | 2.98 | 3.98 | 13.0 | 5 | 4.1 | 71.5 | 1.15 | 0.55 | 6.90 | 0.339 | 0.70 | 4.0 |
| R613799 | | 14.3 | 97.2 | 0.004 | 2.68 | 3.42 | 10.5 | 4 | 3.2 | 161.0 | 1.33 | 0.51 | 7.95 | 0.408 | 0.54 | 3.7 |
| R613800 | | 12.7 | 107.0 | 0.005 | 2.01 | 1.90 | 10.8 | 3 | 3.7 | 117.0 | 1.70 | 0.20 | 9.83 | 0.484 | 0.60 | 4.1 |

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

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**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218153

| Sample Description | Method Analyte Units LOD | 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 |
|---|---|---|---|---|---|---|
| R613761 | | 171 | 13.8 | 16.8 | 15 | 139.5 |
| R613762 | | 174 | 12.4 | 17.5 | 12 | 100.0 |
| R613763 | | 2 | 0.1 | 2.1 | 3 | 3.1 |
| R613764 | | 141 | 7.9 | 11.2 | 56 | 85.7 |
| R613765 | | 136 | 7.5 | 10.9 | 17 | 94.9 |
| R613766 | | 142 | 8.2 | 13.5 | 17 | 123.5 |
| R613767 | | 155 | 8.6 | 14.4 | 17 | 134.5 |
| R613768 | | 125 | 7.8 | 17.1 | 16 | 128.5 |
| R613769 | | 124 | 7.6 | 17.7 | 18 | 142.0 |
| R613770 | | 105 | 6.7 | 14.3 | 13 | 116.5 |
| R613771 | | 109 | 6.7 | 14.2 | 14 | 118.5 |
| R613772 | | 120 | 6.3 | 11.4 | 19 | 86.3 |
| R613773 | | 108 | 4.0 | 5.1 | 9 | 47.6 |
| R613774 | | 131 | 4.3 | 7.8 | 15 | 57.7 |
| R613775 | | 142 | 4.2 | 7.4 | 13 | 56.5 |
| R613776 | | 143 | 4.4 | 8.4 | 12 | 73.7 |
| R613777 | | 129 | 5.2 | 9.4 | 12 | 94.2 |
| R613778 | | 127 | 5.1 | 8.9 | 11 | 95.6 |
| R613779 | | 147 | 6.0 | 9.7 | 12 | 100.5 |
| R613780 | | 183 | 6.5 | 10.7 | 12 | 117.0 |
| R613781 | | 166 | 6.3 | 9.8 | 10 | 109.5 |
| R613782 | | 185 | 7.9 | 11.4 | 16 | 124.0 |
| R613783 | | 185 | 9.1 | 12.8 | 11 | 141.0 |
| R613784 | | 173 | 8.3 | 10.1 | 15 | 117.5 |
| R613785 | | 196 | 8.6 | 11.6 | 10 | 126.0 |
| R613786 | | 202 | 9.0 | 10.9 | 11 | 134.5 |
| R613787 | | 144 | 4.7 | 8.2 | 22 | 66.6 |
| R613788 | | 39 | 10.5 | 15.9 | 211 | 59.9 |
| R613789 | | 171 | 7.7 | 10.8 | 14 | 108.0 |
| R613790 | | 192 | 9.0 | 11.9 | 14 | 127.0 |
| R613791 | | 189 | 8.1 | 11.0 | 16 | 116.0 |
| R613792 | | 252 | 9.5 | 10.7 | 7 | 142.5 |
| R613793 | | 39 | 1.9 | 7.2 | 21 | 20.6 |
| R613794 | | 188 | 8.7 | 8.9 | 20 | 119.5 |
| R613795 | | 66 | 2.4 | 8.9 | 25 | 38.4 |
| R613796 | | 53 | 11.7 | 17.1 | 2780 | 61.0 |
| R613797 | | 132 | 5.7 | 10.0 | 20 | 87.7 |
| R613798 | | 150 | 7.6 | 7.5 | 10 | 123.5 |
| R613799 | | 106 | 6.5 | 11.4 | 40 | 97.4 |
| R613800 | | 122 | 7.6 | 13.8 | 32 | 117.0 |

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

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Project: Rau


**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218153

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218130

Project: Rau

P.O. No.: R20-D30

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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


**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218130

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233521 | | 2.94 | 0.09 | 0.22 | 4.40 | 65.9 | 570 | 1.74 | 11.05 | 3.83 | 0.08 | 53.0 | 14.0 | 65 | 2.42 | 42.5 |
| W233522 | | 5.39 | 0.09 | 0.15 | 3.80 | 69.3 | 380 | 1.49 | 11.65 | 4.90 | 0.09 | 51.2 | 13.1 | 56 | 2.04 | 38.7 |
| W233523 | | 5.23 | 0.11 | 0.12 | 4.08 | 98.4 | 660 | 1.89 | 6.62 | 2.63 | 0.11 | 57.0 | 15.6 | 58 | 2.60 | 31.8 |
| W233524 | | 3.41 | 0.05 | 0.08 | 3.75 | 116.0 | 380 | 1.55 | 5.29 | 2.40 | 0.12 | 49.2 | 15.5 | 49 | 2.18 | 25.7 |
| W233525 | | 1.41 | 0.05 | 0.30 | 4.10 | 70.3 | 120 | 1.71 | 6.43 | 2.31 | 0.08 | 58.3 | 16.1 | 52 | 2.56 | 31.0 |
| W233526 | | 2.18 | 0.06 | 0.10 | 3.97 | 52.3 | 1080 | 1.52 | 5.07 | 2.92 | 0.11 | 58.4 | 12.3 | 52 | 2.39 | 24.0 |
| W233527 | | <0.02 | 0.08 | 0.10 | 4.00 | 60.4 | 990 | 1.53 | 5.02 | 2.95 | 0.09 | 58.4 | 12.2 | 52 | 2.30 | 22.7 |
| W233528 | | 1.46 | 0.10 | 0.10 | 4.10 | 90.9 | 790 | 1.38 | 5.54 | 1.95 | 0.16 | 56.9 | 13.4 | 56 | 2.23 | 21.5 |
| W233529 | | 5.80 | 0.06 | 0.10 | 3.96 | 92.6 | 960 | 1.53 | 4.26 | 3.65 | 0.13 | 57.2 | 11.5 | 51 | 2.22 | 34.2 |
| W233530 | | 0.23 | 0.12 | 0.08 | 2.92 | 113.5 | 630 | 1.07 | 0.96 | 4.67 | 0.35 | 44.3 | 10.1 | 36 | 1.80 | 48.0 |
| W233531 | | 1.43 | 0.08 | 0.06 | 4.88 | 76.2 | 1360 | 1.82 | 3.75 | 3.14 | 0.07 | 82.3 | 10.8 | 67 | 2.84 | 28.7 |
| W233532 | | 0.99 | 0.02 | 0.07 | 4.52 | 123.5 | 1260 | 1.84 | 2.37 | 3.53 | 0.12 | 57.0 | 10.1 | 57 | 2.78 | 38.0 |
| W233533 | | 8.05 | 0.06 | 0.07 | 4.70 | 91.7 | 770 | 1.74 | 4.57 | 3.67 | 0.12 | 73.7 | 14.2 | 60 | 2.79 | 32.6 |
| W233534 | | 0.16 | 0.68 | 1.60 | 7.34 | 31.7 | 860 | 1.16 | 0.20 | 1.86 | 1.11 | 27.4 | 5.3 | 13 | 0.37 | 45.7 |
| W233535 | | 2.35 | 0.07 | 0.08 | 4.92 | 94.6 | 680 | 1.88 | 6.67 | 3.95 | 0.07 | 72.1 | 16.9 | 71 | 2.69 | 35.0 |
| W233536 | | 1.81 | 0.06 | 0.06 | 4.53 | 2020 | 690 | 1.71 | 3.14 | 4.64 | 0.07 | 71.0 | 16.9 | 69 | 2.63 | 38.7 |
| W233537 | | 1.82 | 0.04 | 0.04 | 4.55 | 145.0 | 600 | 1.65 | 3.28 | 4.67 | 0.08 | 71.6 | 13.4 | 70 | 2.61 | 39.5 |
| W233538 | | 0.57 | 0.03 | 0.09 | 3.50 | 1050 | 280 | 1.21 | 2.31 | 4.29 | 0.13 | 61.6 | 20.1 | 61 | 2.03 | 117.5 |
| W233539 | | 1.83 | 0.06 | 0.05 | 3.83 | 243 | 970 | 1.23 | 2.21 | 5.06 | 0.18 | 62.4 | 10.9 | 75 | 2.08 | 63.3 |
| W233540 | | 0.54 | 0.08 | 0.06 | 5.05 | 1990 | 180 | 1.78 | 5.01 | 2.31 | 0.11 | 75.4 | 26.7 | 84 | 2.62 | 189.0 |
| W233541 | | 0.90 | 0.01 | <0.01 | 0.34 | 2.2 | 40 | 0.21 | 0.04 | 32.2 | <0.02 | 1.32 | 0.6 | 3 | 0.15 | 1.7 |
| W233542 | | 4.74 | 0.04 | 0.06 | 5.84 | 222 | 860 | 1.92 | 3.69 | 4.74 | 0.09 | 86.7 | 14.1 | 104 | 3.28 | 103.5 |
| W233543 | | 6.12 | 0.03 | 0.03 | 5.57 | 301 | 560 | 1.64 | 2.01 | 4.89 | 0.10 | 81.6 | 17.9 | 99 | 3.05 | 91.6 |
| W233544 | | 1.43 | 0.02 | 0.04 | 6.58 | 36.3 | 970 | 2.07 | 1.25 | 4.14 | 0.05 | 89.7 | 10.9 | 100 | 3.78 | 66.6 |
| W233545 | | 4.10 | 0.02 | 0.04 | 5.64 | 72.1 | 710 | 1.73 | 1.01 | 5.26 | 0.06 | 78.9 | 14.9 | 90 | 3.19 | 61.9 |
| W233546 | | 1.17 | 0.03 | 0.18 | 3.68 | 90.6 | 390 | 1.00 | 1.01 | 7.71 | 0.09 | 34.3 | 20.5 | 56 | 1.82 | 89.8 |
| W233547 | | 1.98 | 0.09 | 0.03 | 4.14 | 96.4 | 970 | 1.40 | 0.61 | 6.91 | 0.05 | 51.2 | 15.5 | 53 | 2.13 | 53.2 |
| W233548 | | 0.97 | 0.01 | 0.03 | 3.26 | 199.0 | 810 | 0.93 | 0.20 | 3.03 | 0.09 | 49.3 | 23.2 | 51 | 1.95 | 75.5 |
| W233549 | | 0.20 | 0.01 | 0.03 | 3.68 | 159.0 | 1160 | 1.13 | 0.11 | 2.69 | 0.03 | 44.1 | 13.8 | 60 | 2.12 | 54.9 |
| W233550 | | 1.92 | 0.01 | <0.01 | 7.87 | 170.5 | 2520 | 2.45 | 0.75 | 4.07 | 0.05 | 119.0 | 14.5 | 93 | 4.48 | 38.3 |
| W233551 | | 1.69 | 0.01 | <0.01 | 7.36 | 160.5 | 2330 | 2.33 | 0.20 | 8.04 | 0.09 | 119.5 | 13.3 | 51 | 4.12 | 14.3 |
| W233552 | | 1.98 | <0.01 | 0.02 | 5.82 | 111.0 | 1740 | 1.58 | 0.49 | 3.96 | 0.06 | 91.7 | 11.3 | 54 | 3.35 | 24.3 |
| W233553 | | 0.62 | 0.03 | 0.15 | 7.56 | 238 | 380 | 2.66 | 1.48 | 3.69 | 0.07 | 136.0 | 32.5 | 58 | 5.47 | 47.3 |
| W233554 | | 1.35 | 0.01 | 0.02 | 5.43 | 163.0 | 1640 | 1.55 | 0.37 | 5.48 | 0.07 | 90.2 | 17.0 | 44 | 2.76 | 24.1 |
| W233555 | | 6.28 | 0.01 | 0.08 | 7.47 | 97.8 | 2360 | 2.39 | 0.60 | 2.48 | 0.06 | 124.5 | 12.6 | 56 | 5.27 | 17.9 |
| W233556 | | 5.84 | <0.01 | 0.05 | 6.85 | 27.7 | 2220 | 2.30 | 0.48 | 0.94 | 0.05 | 118.0 | 10.5 | 56 | 5.30 | 29.0 |
| W233557 | | 2.26 | 0.01 | 0.03 | 7.11 | 93.5 | 2320 | 2.46 | 0.55 | 1.88 | 0.09 | 120.5 | 18.3 | 52 | 5.22 | 15.9 |
| W233558 | | 5.80 | 0.02 | 0.05 | 6.95 | 424 | 2280 | 2.28 | 1.14 | 1.60 | 0.10 | 114.5 | 40.6 | 55 | 5.19 | 30.2 |
| W233559 | | 0.16 | 1.50 | 75.0 | 6.89 | 27.9 | 4250 | 1.01 | 0.13 | 1.84 | 15.05 | 28.5 | 4.9 | 17 | 0.40 | 209 |
| W233560 | | 1.79 | 0.01 | 0.06 | 6.60 | 17.8 | 1900 | 2.02 | 0.31 | 1.62 | 0.04 | 110.0 | 6.9 | 48 | 4.18 | 20.7 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218130

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233521 | | 3.61 | 12.80 | 0.13 | 2.3 | 0.036 | 2.02 | 25.4 | 9.1 | 1.76 | 923 | 10.50 | 0.05 | 19.3 | 46.8 | 1710 |
| W233522 | | 4.05 | 11.20 | 0.15 | 2.0 | 0.041 | 1.75 | 24.5 | 7.5 | 2.13 | 1030 | 10.80 | 0.05 | 17.4 | 46.2 | 1960 |
| W233523 | | 2.85 | 12.00 | 0.16 | 2.3 | 0.044 | 1.92 | 27.6 | 9.9 | 1.24 | 680 | 6.95 | 0.05 | 21.7 | 47.2 | 1400 |
| W233524 | | 3.20 | 10.75 | 0.13 | 2.1 | 0.048 | 1.74 | 23.7 | 8.0 | 1.13 | 658 | 6.91 | 0.04 | 19.2 | 39.4 | 1150 |
| W233525 | | 5.35 | 11.95 | 0.15 | 2.2 | 0.046 | 1.93 | 26.8 | 9.5 | 1.16 | 726 | 6.49 | 0.05 | 21.2 | 71.4 | 1320 |
| W233526 | | 2.46 | 10.95 | 0.17 | 2.2 | 0.047 | 1.86 | 28.2 | 8.8 | 1.42 | 701 | 6.03 | 0.05 | 23.4 | 30.8 | 1140 |
| W233527 | | 2.50 | 10.85 | 0.15 | 2.5 | 0.036 | 1.86 | 28.2 | 8.5 | 1.43 | 705 | 5.88 | 0.05 | 23.1 | 31.1 | 1160 |
| W233528 | | 2.47 | 11.25 | 0.17 | 2.3 | 0.038 | 1.88 | 27.2 | 8.0 | 0.92 | 437 | 7.83 | 0.05 | 23.0 | 30.8 | 1360 |
| W233529 | | 3.31 | 11.40 | 0.17 | 2.2 | 0.041 | 1.82 | 27.5 | 8.0 | 1.69 | 764 | 6.52 | 0.05 | 20.0 | 39.0 | 1250 |
| W233530 | | 3.85 | 8.06 | 0.14 | 1.2 | 0.045 | 1.36 | 20.8 | 6.1 | 2.17 | 1060 | 2.78 | 0.04 | 11.7 | 37.7 | 1050 |
| W233531 | | 2.83 | 14.15 | 0.20 | 2.8 | 0.051 | 2.27 | 40.0 | 9.2 | 1.48 | 620 | 7.28 | 0.06 | 27.4 | 38.7 | 1480 |
| W233532 | | 2.88 | 12.95 | 0.19 | 2.4 | 0.050 | 2.11 | 27.3 | 9.1 | 1.67 | 715 | 7.31 | 0.06 | 22.9 | 39.7 | 1260 |
| W233533 | | 3.49 | 13.50 | 0.18 | 2.8 | 0.050 | 2.18 | 35.0 | 9.5 | 1.69 | 664 | 6.61 | 0.06 | 26.9 | 40.8 | 1490 |
| W233534 | | 2.45 | 14.70 | 0.14 | 1.9 | 0.057 | 1.53 | 11.7 | 2.5 | 0.59 | 749 | 5.58 | 3.41 | 6.2 | 5.9 | 430 |
| W233535 | | 3.93 | 13.40 | 0.22 | 2.8 | 0.049 | 2.28 | 34.4 | 9.4 | 1.83 | 872 | 7.82 | 0.07 | 31.0 | 48.0 | 1530 |
| W233536 | | 3.81 | 12.55 | 0.19 | 2.6 | 0.053 | 2.09 | 34.2 | 9.1 | 2.05 | 862 | 5.43 | 0.06 | 28.7 | 43.9 | 1570 |
| W233537 | | 3.83 | 12.50 | 0.18 | 2.4 | 0.045 | 2.09 | 33.5 | 8.7 | 2.05 | 857 | 5.30 | 0.06 | 28.2 | 35.5 | 1610 |
| W233538 | | 5.31 | 9.22 | 0.15 | 1.8 | 0.042 | 1.60 | 28.6 | 6.1 | 1.67 | 934 | 5.46 | 0.05 | 20.9 | 53.9 | 1790 |
| W233539 | | 4.33 | 9.80 | 0.13 | 2.1 | 0.044 | 1.76 | 29.6 | 6.6 | 1.99 | 1040 | 3.87 | 0.06 | 21.6 | 32.4 | 2120 |
| W233540 | | 8.14 | 13.10 | 0.20 | 2.7 | 0.077 | 2.28 | 35.5 | 7.7 | 0.99 | 1780 | 6.84 | 0.07 | 23.8 | 53.5 | 1870 |
| W233541 | | 0.20 | 1.08 | 0.06 | 0.2 | <0.005 | 0.14 | 1.2 | 1.7 | 1.60 | 120 | 0.52 | 0.17 | 0.8 | 0.7 | 70 |
| W233542 | | 4.55 | 15.05 | 0.18 | 2.9 | 0.057 | 2.71 | 39.5 | 9.6 | 1.86 | 931 | 8.60 | 0.08 | 32.2 | 47.4 | 2140 |
| W233543 | | 4.93 | 14.60 | 0.16 | 2.6 | 0.067 | 2.58 | 38.2 | 8.3 | 1.90 | 1040 | 7.64 | 0.08 | 31.0 | 52.6 | 1810 |
| W233544 | | 3.95 | 17.75 | 0.18 | 3.3 | 0.073 | 3.04 | 40.5 | 9.8 | 1.65 | 771 | 7.77 | 0.09 | 40.1 | 46.3 | 1930 |
| W233545 | | 5.07 | 14.95 | 0.18 | 2.6 | 0.082 | 2.61 | 36.0 | 8.2 | 1.93 | 1110 | 5.44 | 0.07 | 31.4 | 52.3 | 1810 |
| W233546 | | 7.55 | 9.35 | 0.11 | 1.6 | 0.061 | 1.69 | 15.6 | 4.7 | 2.84 | 1780 | 4.13 | 0.05 | 14.0 | 64.8 | 1650 |
| W233547 | | 5.81 | 11.10 | 0.11 | 1.9 | 0.067 | 1.93 | 23.5 | 5.9 | 2.68 | 1620 | 2.24 | 0.05 | 15.7 | 38.9 | 1270 |
| W233548 | | 4.15 | 8.79 | 0.12 | 1.5 | 0.053 | 1.50 | 22.4 | 4.0 | 1.19 | 808 | 2.44 | 0.04 | 14.4 | 51.8 | 950 |
| W233549 | | 2.80 | 9.82 | 0.10 | 1.8 | 0.053 | 1.71 | 20.4 | 4.2 | 1.03 | 686 | 1.64 | 0.05 | 19.0 | 25.8 | 1050 |
| W233550 | | 3.27 | 21.8 | 0.25 | 3.6 | 0.094 | 3.74 | 54.9 | 11.1 | 1.75 | 756 | 5.48 | 0.10 | 43.2 | 37.6 | 2480 |
| W233551 | | 4.44 | 20.4 | 0.21 | 3.1 | 0.098 | 3.49 | 57.2 | 10.4 | 3.29 | 1420 | 0.65 | 0.09 | 43.5 | 19.9 | 2120 |
| W233552 | | 3.21 | 16.00 | 0.20 | 2.1 | 0.076 | 2.69 | 43.7 | 8.3 | 1.83 | 752 | 0.77 | 0.08 | 33.5 | 28.0 | 1540 |
| W233553 | | 7.01 | 21.9 | 0.28 | 3.0 | 0.096 | 3.39 | 64.2 | 13.2 | 2.23 | 2000 | 1.76 | 0.10 | 39.3 | 97.3 | 2460 |
| W233554 | | 3.50 | 15.10 | 0.17 | 2.0 | 0.098 | 2.51 | 41.6 | 7.5 | 2.44 | 1100 | 0.48 | 0.08 | 30.6 | 28.2 | 1460 |
| W233555 | | 4.87 | 20.9 | 0.24 | 2.4 | 0.109 | 3.35 | 59.7 | 14.9 | 2.36 | 665 | 0.59 | 0.09 | 53.2 | 29.5 | 1650 |
| W233556 | | 5.28 | 19.50 | 0.15 | 3.5 | 0.096 | 3.10 | 61.5 | 15.7 | 1.98 | 441 | 1.64 | 0.08 | 53.9 | 32.0 | 1730 |
| W233557 | | 4.81 | 20.7 | 0.14 | 2.8 | 0.102 | 3.22 | 63.4 | 16.1 | 2.15 | 563 | 0.88 | 0.08 | 53.2 | 28.1 | 1800 |
| W233558 | | 4.93 | 19.70 | 0.15 | 3.3 | 0.107 | 3.23 | 60.8 | 14.1 | 1.90 | 592 | 1.84 | 0.08 | 50.5 | 40.8 | 1810 |
| W233559 | | 2.47 | 14.20 | 0.07 | 2.0 | 0.046 | 1.46 | 15.0 | 2.6 | 0.54 | 714 | 7.03 | 3.18 | 5.8 | 7.9 | 490 |
| W233560 | | 5.93 | 18.80 | 0.15 | 2.1 | 0.083 | 2.64 | 58.2 | 18.0 | 2.42 | 756 | 0.48 | 0.07 | 51.5 | 22.7 | 1760 |

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

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**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218130

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233521 | | 9.1 | 84.0 | 0.023 | 1.74 | 4.63 | 10.5 | 2 | 7.8 | 73.5 | 0.97 | 0.10 | 6.76 | 0.301 | 0.64 | 5.0 |
| W233522 | | 10.8 | 73.9 | 0.028 | 1.85 | 1.86 | 9.4 | 2 | 6.2 | 89.6 | 0.86 | 0.12 | 6.20 | 0.260 | 0.57 | 6.9 |
| W233523 | | 6.0 | 83.5 | 0.022 | 1.57 | 1.76 | 9.5 | 2 | 5.2 | 59.0 | 1.03 | 0.13 | 6.28 | 0.335 | 0.61 | 4.4 |
| W233524 | | 5.3 | 76.5 | 0.019 | 2.03 | 2.19 | 9.1 | 2 | 4.6 | 51.0 | 0.95 | 0.08 | 5.63 | 0.316 | 0.57 | 4.0 |
| W233525 | | 43.3 | 83.5 | 0.017 | 3.44 | 3.80 | 9.5 | 3 | 5.3 | 49.6 | 1.01 | 0.11 | 6.51 | 0.311 | 0.67 | 4.5 |
| W233526 | | 7.1 | 80.3 | 0.015 | 1.13 | 1.28 | 9.0 | 1 | 5.4 | 59.4 | 1.13 | 0.06 | 6.87 | 0.354 | 0.58 | 4.5 |
| W233527 | | 7.0 | 80.2 | 0.020 | 1.16 | 1.21 | 8.8 | 2 | 5.1 | 60.1 | 1.10 | 0.08 | 6.72 | 0.357 | 0.52 | 4.4 |
| W233528 | | 9.2 | 80.6 | 0.014 | 1.46 | 1.46 | 9.0 | 2 | 5.5 | 46.0 | 1.11 | 0.08 | 6.93 | 0.375 | 0.56 | 5.3 |
| W233529 | | 4.2 | 80.5 | 0.017 | 1.53 | 1.16 | 9.4 | 2 | 4.9 | 68.5 | 0.94 | 0.07 | 6.57 | 0.337 | 0.52 | 5.1 |
| W233530 | | 7.4 | 57.6 | 0.009 | 1.69 | 1.00 | 7.5 | 2 | 3.1 | 78.9 | 0.57 | <0.05 | 4.05 | 0.216 | 0.41 | 6.3 |
| W233531 | | 3.7 | 99.0 | 0.019 | 1.33 | 1.36 | 11.2 | 2 | 6.1 | 66.4 | 1.26 | 0.05 | 8.85 | 0.458 | 0.62 | 6.8 |
| W233532 | | 3.6 | 95.3 | 0.036 | 1.21 | 0.94 | 10.7 | 2 | 7.2 | 69.9 | 1.10 | <0.05 | 7.17 | 0.381 | 0.56 | 6.2 |
| W233533 | | 5.7 | 94.8 | 0.012 | 1.66 | 0.98 | 10.8 | 1 | 5.1 | 74.7 | 1.22 | 0.05 | 8.40 | 0.413 | 0.58 | 9.7 |
| W233534 | | 134.0 | 29.9 | <0.002 | 0.12 | 16.55 | 7.6 | <1 | 1.2 | 214 | 0.37 | <0.05 | 2.89 | 0.205 | 0.48 | 1.4 |
| W233535 | | 2.5 | 93.8 | 0.023 | 1.64 | 1.79 | 11.3 | 2 | 5.3 | 79.1 | 1.44 | 0.05 | 7.71 | 0.489 | 0.62 | 7.7 |
| W233536 | | 2.4 | 93.5 | 0.012 | 1.54 | 1.44 | 11.0 | 3 | 5.1 | 89.7 | 1.33 | 0.10 | 7.39 | 0.451 | 0.57 | 6.3 |
| W233537 | | 2.6 | 88.9 | 0.014 | 1.58 | 0.81 | 10.9 | 2 | 5.2 | 89.2 | 1.34 | <0.05 | 7.49 | 0.461 | 0.63 | 6.4 |
| W233538 | | 5.6 | 66.9 | 0.015 | 2.39 | 1.07 | 8.0 | 2 | 4.2 | 72.6 | 0.99 | 0.07 | 5.91 | 0.329 | 0.50 | 4.5 |
| W233539 | | 2.8 | 72.7 | 0.013 | 1.38 | 1.75 | 8.8 | 2 | 4.1 | 84.2 | 1.09 | <0.05 | 6.48 | 0.387 | 0.49 | 6.1 |
| W233540 | | 3.8 | 95.8 | 0.003 | 3.45 | 3.85 | 12.9 | 3 | 6.5 | 50.9 | 1.14 | 0.11 | 7.31 | 0.389 | 0.75 | 6.6 |
| W233541 | | 0.9 | 5.2 | 0.002 | <0.01 | 0.08 | 0.2 | <1 | 0.2 | 83.5 | <0.05 | <0.05 | 0.28 | 0.006 | 0.07 | 0.5 |
| W233542 | | 3.1 | 113.0 | 0.011 | 1.74 | 0.94 | 13.9 | 1 | 6.6 | 92.1 | 1.55 | <0.05 | 9.32 | 0.536 | 0.81 | 6.6 |
| W233543 | | 3.1 | 107.0 | 0.011 | 1.80 | 0.98 | 13.8 | 2 | 6.5 | 96.7 | 1.43 | 0.05 | 8.10 | 0.506 | 0.69 | 6.2 |
| W233544 | | 2.1 | 131.5 | 0.020 | 1.39 | 0.81 | 15.1 | 2 | 9.6 | 91.7 | 1.96 | <0.05 | 9.87 | 0.564 | 0.80 | 6.3 |
| W233545 | | 2.0 | 114.5 | 0.016 | 1.58 | 0.73 | 13.1 | 2 | 8.3 | 95.5 | 1.52 | <0.05 | 8.06 | 0.470 | 0.63 | 4.6 |
| W233546 | | 3.9 | 69.9 | 0.017 | 2.44 | 0.69 | 9.3 | 2 | 6.0 | 115.0 | 0.71 | <0.05 | 5.07 | 0.244 | 0.41 | 4.3 |
| W233547 | | 1.6 | 83.6 | 0.018 | 1.51 | 0.56 | 9.8 | 2 | 8.1 | 124.5 | 0.75 | <0.05 | 5.98 | 0.257 | 0.48 | 3.6 |
| W233548 | | 1.9 | 69.0 | 0.009 | 1.72 | 0.74 | 7.3 | 2 | 7.7 | 52.0 | 0.66 | <0.05 | 4.92 | 0.242 | 0.40 | 2.9 |
| W233549 | | 1.4 | 76.4 | 0.007 | 0.68 | 0.46 | 8.4 | 1 | 8.9 | 49.5 | 0.93 | <0.05 | 5.79 | 0.301 | 0.41 | 2.6 |
| W233550 | | 2.1 | 164.5 | 0.012 | 0.82 | 0.97 | 17.0 | 1 | 19.3 | 97.2 | 2.02 | <0.05 | 12.55 | 0.658 | 0.88 | 4.6 |
| W233551 | | 1.8 | 146.5 | 0.006 | 0.25 | 0.62 | 14.6 | <1 | 14.3 | 167.5 | 1.88 | <0.05 | 13.30 | 0.592 | 0.83 | 3.2 |
| W233552 | | 1.8 | 116.0 | 0.007 | 0.57 | 0.89 | 11.0 | 1 | 12.3 | 91.8 | 1.47 | <0.05 | 9.76 | 0.481 | 0.65 | 2.3 |
| W233553 | | 3.2 | 151.0 | <0.002 | 2.60 | 4.95 | 15.8 | 1 | 18.6 | 87.8 | 1.69 | 0.05 | 13.00 | 0.576 | 0.91 | 6.6 |
| W233554 | | 3.1 | 109.5 | 0.003 | 0.67 | 0.68 | 10.5 | <1 | 13.6 | 112.5 | 1.31 | <0.05 | 9.34 | 0.419 | 0.57 | 2.0 |
| W233555 | | 1.7 | 149.0 | 0.002 | 0.46 | 1.06 | 15.0 | 1 | 13.9 | 73.0 | 2.36 | <0.05 | 13.75 | 0.685 | 0.96 | 2.6 |
| W233556 | | 5.7 | 145.0 | 0.005 | 0.44 | 1.52 | 14.1 | 1 | 10.9 | 46.3 | 3.07 | <0.05 | 14.40 | 0.701 | 0.82 | 3.3 |
| W233557 | | 2.0 | 148.0 | 0.017 | 0.29 | 1.42 | 14.4 | 1 | 12.1 | 65.5 | 3.09 | <0.05 | 13.70 | 0.693 | 0.83 | 3.8 |
| W233558 | | 2.6 | 145.5 | 0.012 | 0.72 | 1.46 | 13.7 | 1 | 12.2 | 57.9 | 2.85 | 0.08 | 13.80 | 0.655 | 0.83 | 3.7 |
| W233559 | | 1455 | 30.9 | 0.009 | 0.48 | 110.5 | 7.1 | 2 | 1.8 | 204 | 0.43 | 0.07 | 2.96 | 0.192 | 0.36 | 1.8 |
| W233560 | | 1.9 | 117.5 | 0.011 | 0.36 | 0.81 | 12.9 | 1 | 10.5 | 61.3 | 3.03 | <0.05 | 12.80 | 0.677 | 0.70 | 3.4 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218130

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233521 | | 190 | 4.1 | 9.8 | 15 | 95.6 |
| W233522 | | 185 | 3.0 | 10.3 | 18 | 85.4 |
| W233523 | | 150 | 3.1 | 9.7 | 14 | 97.7 |
| W233524 | | 123 | 2.9 | 8.7 | 14 | 92.2 |
| W233525 | | 134 | 2.9 | 9.8 | 11 | 96.9 |
| W233526 | | 135 | 2.9 | 9.2 | 13 | 96.4 |
| W233527 | | 136 | 3.1 | 9.0 | 14 | 94.3 |
| W233528 | | 144 | 3.2 | 8.9 | 18 | 97.3 |
| W233529 | | 152 | 2.9 | 8.8 | 14 | 92.7 |
| W233530 | | 108 | 1.7 | 9.0 | 44 | 56.9 |
| W233531 | | 179 | 4.0 | 10.6 | 10 | 122.0 |
| W233532 | | 159 | 3.2 | 9.7 | 18 | 103.0 |
| W233533 | | 164 | 3.2 | 11.0 | 16 | 121.5 |
| W233534 | | 40 | 14.5 | 16.7 | 216 | 63.7 |
| W233535 | | 157 | 3.4 | 11.3 | 15 | 124.0 |
| W233536 | | 160 | 3.2 | 10.7 | 16 | 111.5 |
| W233537 | | 161 | 3.2 | 10.9 | 15 | 111.0 |
| W233538 | | 117 | 2.2 | 9.0 | 20 | 84.5 |
| W233539 | | 136 | 2.7 | 10.0 | 39 | 85.5 |
| W233540 | | 163 | 2.7 | 13.2 | 23 | 113.0 |
| W233541 | | 1 | 0.1 | 2.8 | 4 | 6.1 |
| W233542 | | 184 | 3.4 | 12.2 | 17 | 123.0 |
| W233543 | | 169 | 2.9 | 12.0 | 20 | 117.0 |
| W233544 | | 216 | 2.9 | 12.5 | 14 | 143.0 |
| W233545 | | 160 | 2.4 | 10.4 | 16 | 115.5 |
| W233546 | | 96 | 1.8 | 7.7 | 18 | 69.2 |
| W233547 | | 98 | 1.4 | 7.6 | 18 | 77.5 |
| W233548 | | 77 | 1.6 | 7.8 | 15 | 65.6 |
| W233549 | | 87 | 1.8 | 7.7 | 9 | 75.4 |
| W233550 | | 161 | 3.5 | 15.6 | 14 | 158.0 |
| W233551 | | 125 | 2.9 | 14.9 | 21 | 142.0 |
| W233552 | | 92 | 2.4 | 11.6 | 18 | 93.2 |
| W233553 | | 132 | 3.8 | 19.6 | 68 | 146.5 |
| W233554 | | 84 | 2.3 | 12.7 | 19 | 88.8 |
| W233555 | | 127 | 3.0 | 13.0 | 36 | 117.0 |
| W233556 | | 122 | 2.3 | 15.5 | 48 | 175.5 |
| W233557 | | 122 | 2.4 | 14.2 | 50 | 112.5 |
| W233558 | | 126 | 2.3 | 14.0 | 43 | 132.5 |
| W233559 | | 51 | 11.2 | 17.0 | 2670 | 58.5 |
| W233560 | | 111 | 2.3 | 12.3 | 49 | 86.1 |

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

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

Project: Rau


**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218130

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-JAN-2021**
**Account: RCM**

# CERTIFICATE WH20290308

Project: RCM_ WH20218130

This report is for 12 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-DEC-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| FND-02 | Find Sample for Addn Analysis |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-JAN-2021**
**Account: RCM**

Project: RCM_ WH20218130

# CERTIFICATE OF ANALYSIS WH20290308

| Sample Description | Method<br>Analyte<br>Units<br>LOD | Au-AA26<br>Au<br>ppm<br>0.01 |
|---|---|---|
| W233549 | | <0.01 |
| W233550 | | 0.01 |
| W233551 | | 0.01 |
| W233552 | | 0.03 |
| W233553 | | 0.04 |
| W233554 | | 0.12 |
| W233555 | | 0.02 |
| W233556 | | 0.01 |
| W233557 | | 0.01 |
| W233558 | | 0.02 |
| W233559 | | 1.41 |
| W233560 | | 0.01 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: RCM_ WH20218130


**Finalized Date: 4-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20290308

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA26 FND-02

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218161

Project: Rau

P.O. No.: R20-D31

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218161

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613801 | | 2.25 | 0.01 | 0.08 | 6.53 | 173.0 | 170 | 2.31 | 1.93 | 3.38 | 0.11 | 97.4 | 21.1 | 45 | 3.46 | 52.5 |
| R613802 | | 6.18 | 0.06 | 0.04 | 6.40 | 1200 | 1640 | 2.30 | 1.11 | 3.67 | 0.08 | 101.5 | 23.9 | 50 | 3.50 | 26.7 |
| R613803 | | 1.22 | 0.04 | 0.10 | 5.33 | 1370 | 130 | 1.86 | 1.86 | 4.36 | 0.10 | 78.6 | 18.4 | 42 | 2.99 | 17.3 |
| R613804 | | 0.74 | 0.11 | 0.08 | 5.07 | 1470 | 100 | 1.73 | 2.33 | 4.84 | 0.07 | 81.9 | 66.2 | 41 | 2.83 | 80.0 |
| R613805 | | 5.69 | 0.19 | 0.04 | 6.16 | 182.0 | 2270 | 2.06 | 0.67 | 2.11 | 0.08 | 87.3 | 17.8 | 45 | 6.50 | 18.8 |
| R613806 | | 5.67 | 0.01 | 0.03 | 6.55 | 395 | 2800 | 2.20 | 0.46 | 2.05 | 0.10 | 83.5 | 10.0 | 42 | 5.33 | 11.6 |
| R613807 | | 4.66 | 0.01 | 0.03 | 7.42 | 512 | 650 | 2.81 | 1.48 | 3.07 | 0.07 | 98.1 | 20.2 | 50 | 4.92 | 31.8 |
| R613808 | | 3.76 | 0.04 | 0.07 | 6.46 | 588 | 810 | 2.44 | 1.20 | 3.27 | 0.07 | 101.5 | 18.8 | 56 | 3.75 | 62.8 |
| R613809 | | 5.34 | 0.19 | 0.06 | 6.39 | 257 | 460 | 2.29 | 1.57 | 3.64 | 0.07 | 87.0 | 16.0 | 57 | 3.46 | 47.5 |
| R613810 | | 0.92 | 0.04 | 0.07 | 5.96 | 399 | 440 | 2.17 | 2.23 | 4.29 | 0.09 | 71.1 | 23.0 | 51 | 3.34 | 58.9 |
| R613811 | | 1.32 | 0.03 | 0.12 | 5.08 | 640 | 90 | 1.75 | 3.24 | 4.56 | 0.10 | 53.0 | 33.3 | 44 | 2.91 | 90.1 |
| R613812 | | <0.02 | 0.04 | 0.11 | 5.13 | 644 | 90 | 1.77 | 3.03 | 4.54 | 0.09 | 53.5 | 32.6 | 44 | 2.92 | 85.3 |
| R613813 | | 2.32 | 0.01 | 0.01 | 6.77 | 121.5 | 2920 | 2.46 | 0.23 | 1.35 | 0.06 | 84.2 | 6.5 | 48 | 3.67 | 7.8 |
| R613814 | | 3.54 | 0.01 | 0.04 | 6.33 | 264 | 2310 | 2.41 | 0.54 | 1.62 | 0.19 | 85.5 | 13.7 | 46 | 2.84 | 9.4 |
| R613815 | | 1.01 | 0.02 | 0.12 | 6.41 | 2980 | 150 | 2.59 | 2.19 | 1.46 | 0.13 | 105.5 | 145.0 | 51 | 3.31 | 86.3 |
| R613816 | | 0.16 | 1.15 | 79.6 | 7.05 | 29.6 | 4290 | 0.98 | 0.13 | 1.83 | 14.90 | 26.3 | 4.9 | 17 | 0.41 | 212 |
| R613817 | | 1.93 | 0.01 | 0.06 | 7.38 | 505 | 570 | 2.83 | 2.02 | 1.74 | 0.17 | 114.0 | 33.4 | 49 | 4.49 | 47.4 |
| R613818 | | 4.12 | 0.33 | 0.63 | 6.18 | 450 | 1670 | 2.12 | 9.59 | 0.33 | 0.19 | 93.9 | 20.9 | 119 | 4.15 | 13.3 |
| R613819 | | 5.77 | 0.44 | 0.18 | 6.91 | 451 | 1940 | 2.49 | 18.95 | 0.44 | 0.07 | 109.5 | 16.3 | 127 | 4.68 | 6.3 |
| R613820 | | 0.81 | 2.98 | 0.38 | 7.83 | 363 | 2110 | 2.21 | 218 | 0.04 | <0.02 | 111.5 | 1.9 | 113 | 4.71 | 1.7 |
| R613821 | | 1.15 | 2.38 | 0.22 | 8.68 | 275 | 2310 | 2.62 | 71.8 | 0.04 | <0.02 | 97.3 | 0.9 | 121 | 5.20 | 1.6 |
| R613822 | | 4.28 | 0.47 | 0.59 | 6.61 | 1030 | 1790 | 2.09 | 16.05 | 0.29 | 0.07 | 87.5 | 14.5 | 97 | 3.96 | 5.4 |
| R613823 | | 3.78 | 0.03 | <0.01 | 6.96 | 778 | 1850 | 2.08 | 2.57 | 3.31 | 0.08 | 96.9 | 11.2 | 56 | 3.78 | 2.5 |
| R613824 | | 0.80 | 0.05 | 0.17 | 3.99 | 675 | 1060 | 1.38 | 8.96 | 0.22 | 0.07 | 61.7 | 7.2 | 35 | 2.33 | 2.2 |
| R613825 | | 3.88 | 0.02 | <0.01 | 8.03 | 529 | 2110 | 2.50 | 1.03 | 1.71 | 0.05 | 110.5 | 10.0 | 58 | 3.93 | 2.6 |
| R613826 | | 3.05 | 0.03 | 0.03 | 6.95 | 456 | 1740 | 2.13 | 1.38 | 2.76 | 0.04 | 100.5 | 12.4 | 50 | 3.45 | 3.2 |
| R613827 | | 0.48 | 0.07 | 0.03 | 6.54 | 428 | 1640 | 2.08 | 3.90 | 2.19 | 0.06 | 99.5 | 12.6 | 53 | 3.55 | 2.8 |
| R613828 | | 3.92 | 0.04 | <0.01 | 7.72 | 560 | 1910 | 2.46 | 2.11 | 2.44 | 0.05 | 111.0 | 16.6 | 56 | 3.97 | 2.5 |
| R613829 | | 1.05 | 0.29 | 0.10 | 7.60 | 1230 | 1880 | 2.25 | 10.25 | 0.62 | 0.03 | 106.0 | 13.2 | 60 | 3.70 | 3.6 |
| R613830 | | 5.41 | 0.12 | <0.01 | 8.10 | 599 | 2020 | 2.49 | 2.40 | 2.42 | 0.05 | 115.5 | 12.8 | 54 | 4.18 | 2.4 |
| R613831 | | 6.56 | 0.03 | <0.01 | 7.28 | 969 | 1800 | 2.40 | 0.98 | 3.63 | 0.03 | 92.4 | 12.0 | 51 | 3.77 | 1.0 |
| R613832 | | 2.21 | 0.03 | <0.01 | 6.96 | 806 | 1710 | 2.22 | 1.74 | 3.74 | 0.04 | 106.5 | 10.8 | 50 | 3.68 | 0.8 |
| R613833 | | 1.83 | 0.11 | 0.02 | 6.77 | 1070 | 1630 | 2.08 | 2.14 | 3.68 | 0.07 | 111.5 | 14.9 | 47 | 3.42 | 3.7 |
| R613834 | | 0.16 | 0.62 | 1.16 | 7.43 | 26.1 | 870 | 1.02 | 0.22 | 1.86 | 0.98 | 24.3 | 4.8 | 13 | 0.31 | 41.7 |
| R613835 | | 1.54 | 0.07 | <0.01 | 7.40 | 909 | 1710 | 2.43 | 2.86 | 3.58 | 0.04 | 138.5 | 18.9 | 55 | 3.57 | 1.5 |
| R613836 | | 0.46 | 0.04 | 0.08 | 4.25 | 1460 | 890 | 1.42 | 6.79 | 1.29 | 0.09 | 79.9 | 20.7 | 37 | 1.70 | 2.4 |
| R613837 | | 1.26 | 0.01 | 0.08 | 6.70 | 770 | 1430 | 2.08 | 1.89 | 0.29 | 0.05 | 124.0 | 11.1 | 53 | 2.86 | 1.8 |
| R613838 | | 1.23 | 0.08 | 0.15 | 5.77 | 1590 | 1190 | 1.97 | 19.20 | 0.29 | 0.03 | 174.5 | 17.5 | 45 | 2.59 | 3.9 |
| R613839 | | 2.00 | 0.01 | <0.01 | 0.07 | 6.5 | 20 | 0.05 | 0.11 | 33.7 | <0.02 | 1.12 | 0.6 | 2 | <0.05 | 0.6 |
| R613840 | | 4.14 | 0.15 | <0.01 | 7.22 | 981 | 1460 | 2.24 | 31.7 | 0.19 | <0.02 | 224 | 3.3 | 56 | 3.08 | 2.8 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218161

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613801 | | 6.41 | 16.95 | 0.17 | 3.8 | 0.069 | 3.11 | 52.7 | 7.2 | 1.45 | 754 | 15.40 | 0.11 | 39.3 | 42.1 | 1450 |
| R613802 | | 3.65 | 17.00 | 0.17 | 3.9 | 0.064 | 3.03 | 57.0 | 7.6 | 1.54 | 646 | 1.61 | 0.10 | 42.8 | 38.8 | 1480 |
| R613803 | | 5.11 | 14.45 | 0.17 | 2.6 | 0.057 | 2.53 | 41.1 | 7.0 | 1.85 | 815 | 2.75 | 0.08 | 34.4 | 34.9 | 1420 |
| R613804 | | 7.70 | 13.70 | 0.16 | 2.0 | 0.053 | 2.42 | 43.3 | 6.1 | 2.05 | 1040 | 0.57 | 0.08 | 28.0 | 102.5 | 1070 |
| R613805 | | 6.14 | 16.50 | 0.15 | 1.9 | 0.071 | 2.92 | 47.6 | 8.6 | 1.98 | 789 | 0.37 | 0.08 | 39.4 | 27.8 | 1390 |
| R613806 | | 7.03 | 17.25 | 0.15 | 2.0 | 0.080 | 3.01 | 45.7 | 9.2 | 2.31 | 878 | 0.35 | 0.09 | 37.1 | 22.2 | 1410 |
| R613807 | | 5.40 | 19.45 | 0.20 | 3.3 | 0.074 | 3.52 | 53.2 | 9.1 | 1.78 | 832 | 3.89 | 0.11 | 41.3 | 30.6 | 1840 |
| R613808 | | 5.10 | 18.00 | 0.18 | 3.1 | 0.068 | 2.97 | 56.2 | 7.7 | 1.78 | 908 | 4.68 | 0.09 | 45.7 | 32.5 | 1270 |
| R613809 | | 5.36 | 16.50 | 0.16 | 2.9 | 0.066 | 3.02 | 47.5 | 6.8 | 1.71 | 904 | 3.56 | 0.10 | 42.0 | 48.0 | 1990 |
| R613810 | | 5.39 | 16.25 | 0.17 | 3.1 | 0.069 | 2.93 | 38.4 | 6.6 | 1.81 | 995 | 8.47 | 0.10 | 34.9 | 54.0 | 2030 |
| R613811 | | 7.79 | 14.10 | 0.13 | 2.4 | 0.062 | 2.47 | 27.6 | 5.7 | 2.07 | 1130 | 6.84 | 0.08 | 26.9 | 71.6 | 1160 |
| R613812 | | 7.56 | 14.00 | 0.14 | 2.4 | 0.060 | 2.46 | 27.4 | 5.6 | 2.05 | 1120 | 6.61 | 0.08 | 26.2 | 67.0 | 1210 |
| R613813 | | 4.46 | 18.65 | 0.17 | 2.5 | 0.074 | 3.20 | 47.0 | 6.5 | 1.48 | 659 | 0.52 | 0.11 | 43.3 | 17.2 | 1540 |
| R613814 | | 5.99 | 16.65 | 0.16 | 1.9 | 0.100 | 2.46 | 46.5 | 10.9 | 1.84 | 758 | 0.46 | 0.07 | 38.4 | 24.4 | 1400 |
| R613815 | | 8.83 | 18.65 | 0.19 | 1.9 | 0.116 | 2.74 | 55.7 | 11.8 | 1.67 | 730 | 2.20 | 0.08 | 44.3 | 111.0 | 1640 |
| R613816 | | 2.56 | 13.30 | 0.12 | 1.9 | 0.041 | 1.51 | 14.5 | 2.7 | 0.57 | 710 | 7.18 | 3.30 | 5.8 | 8.7 | 470 |
| R613817 | | 6.86 | 20.2 | 0.20 | 2.5 | 0.128 | 3.42 | 61.0 | 11.3 | 1.86 | 748 | 0.88 | 0.10 | 61.1 | 60.1 | 1700 |
| R613818 | | 4.92 | 16.65 | 0.17 | 3.1 | 0.054 | 3.02 | 50.6 | 15.0 | 0.43 | 742 | 12.65 | 0.10 | 28.1 | 54.3 | 1690 |
| R613819 | | 5.04 | 18.60 | 0.19 | 3.7 | 0.057 | 3.50 | 60.8 | 15.6 | 0.44 | 789 | 8.70 | 0.06 | 35.0 | 59.9 | 2520 |
| R613820 | | 3.51 | 19.90 | 0.21 | 3.3 | 0.059 | 3.92 | 61.2 | 15.5 | 0.51 | 77 | 6.33 | 0.07 | 36.1 | 9.3 | 270 |
| R613821 | | 2.38 | 23.4 | 0.21 | 3.5 | 0.062 | 4.28 | 53.1 | 17.6 | 0.56 | 38 | 5.83 | 0.07 | 43.3 | 5.9 | 150 |
| R613822 | | 5.09 | 17.00 | 0.18 | 3.1 | 0.051 | 3.23 | 45.8 | 14.4 | 0.46 | 741 | 5.78 | 0.06 | 28.0 | 46.6 | 1830 |
| R613823 | | 3.61 | 18.60 | 0.21 | 2.7 | 0.064 | 3.38 | 52.8 | 15.7 | 1.54 | 1040 | 1.60 | 0.06 | 37.0 | 31.7 | 2170 |
| R613824 | | 4.85 | 10.75 | 0.13 | 1.2 | 0.055 | 1.92 | 33.1 | 9.9 | 0.29 | 659 | 1.58 | 0.04 | 17.2 | 29.0 | 780 |
| R613825 | | 3.15 | 20.7 | 0.21 | 2.4 | 0.061 | 3.90 | 57.9 | 16.6 | 1.04 | 1020 | 0.63 | 0.06 | 42.6 | 31.5 | 2170 |
| R613826 | | 3.23 | 18.20 | 0.18 | 1.7 | 0.054 | 3.35 | 53.0 | 14.1 | 1.59 | 983 | 0.57 | 0.06 | 33.8 | 29.1 | 1780 |
| R613827 | | 2.29 | 17.40 | 0.21 | 2.5 | 0.058 | 3.16 | 53.0 | 14.8 | 1.11 | 647 | 0.58 | 0.06 | 32.9 | 26.1 | 1600 |
| R613828 | | 2.48 | 21.0 | 0.23 | 3.3 | 0.060 | 3.75 | 58.1 | 17.7 | 1.38 | 794 | 1.15 | 0.07 | 45.8 | 29.8 | 1980 |
| R613829 | | 3.66 | 20.1 | 0.22 | 3.6 | 0.065 | 3.69 | 57.7 | 17.1 | 0.67 | 395 | 3.62 | 0.06 | 36.7 | 33.3 | 1870 |
| R613830 | | 2.35 | 22.0 | 0.24 | 3.7 | 0.067 | 3.94 | 61.3 | 19.1 | 1.51 | 713 | 1.19 | 0.06 | 52.5 | 22.8 | 2160 |
| R613831 | | 2.06 | 19.95 | 0.23 | 2.4 | 0.046 | 3.51 | 49.4 | 17.3 | 2.08 | 895 | 0.37 | 0.06 | 38.6 | 18.5 | 1780 |
| R613832 | | 1.52 | 19.90 | 0.26 | 2.0 | 0.055 | 3.37 | 56.9 | 17.1 | 2.15 | 849 | 0.19 | 0.06 | 31.9 | 19.4 | 1620 |
| R613833 | | 2.60 | 19.40 | 0.22 | 2.0 | 0.058 | 3.23 | 59.5 | 16.4 | 2.10 | 1100 | 0.28 | 0.06 | 36.8 | 24.6 | 1760 |
| R613834 | | 2.47 | 13.40 | 0.10 | 1.9 | 0.053 | 1.53 | 11.9 | 2.3 | 0.59 | 749 | 4.50 | 3.42 | 5.3 | 5.8 | 440 |
| R613835 | | 2.62 | 21.4 | 0.25 | 2.0 | 0.065 | 3.47 | 74.3 | 17.7 | 2.18 | 1100 | 0.48 | 0.08 | 37.3 | 36.6 | 1990 |
| R613836 | | 5.75 | 10.95 | 0.15 | 1.3 | 0.033 | 1.90 | 43.0 | 8.0 | 0.77 | 895 | 1.09 | 0.05 | 12.6 | 44.9 | 1380 |
| R613837 | | 7.00 | 17.65 | 0.21 | 2.0 | 0.048 | 3.04 | 66.9 | 12.5 | 0.46 | 378 | 0.77 | 0.08 | 17.4 | 23.9 | 1460 |
| R613838 | | 6.62 | 17.80 | 0.25 | 2.1 | 0.040 | 2.52 | 97.6 | 9.9 | 0.50 | 102 | 1.13 | 0.09 | 16.7 | 20.8 | 1170 |
| R613839 | | 0.12 | 0.25 | 0.05 | 0.1 | 0.008 | 0.03 | 1.1 | 1.3 | 1.70 | 93 | 0.09 | 0.02 | 0.2 | 0.5 | 50 |
| R613840 | | 1.89 | 22.6 | 0.35 | 3.0 | 0.053 | 2.96 | 124.5 | 12.5 | 0.74 | 35 | 0.96 | 0.13 | 41.4 | 5.0 | 1050 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 4-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218161

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613801 | | 9.2 | 124.0 | 0.004 | 2.76 | 1.15 | 13.7 | 2 | 4.7 | 89.6 | 2.13 | 0.05 | 12.65 | 0.557 | 0.68 | 5.3 |
| R613802 | | 4.9 | 119.5 | 0.003 | 1.09 | 1.00 | 14.0 | 2 | 5.2 | 103.5 | 2.30 | 0.10 | 12.65 | 0.627 | 0.66 | 4.1 |
| R613803 | | 9.1 | 104.0 | 0.003 | 2.73 | 3.14 | 12.0 | 2 | 4.6 | 105.0 | 1.88 | 0.15 | 9.97 | 0.487 | 0.60 | 3.8 |
| R613804 | | 6.2 | 94.9 | 0.003 | 3.92 | 1.69 | 12.4 | 3 | 3.8 | 113.5 | 1.45 | 0.44 | 8.62 | 0.462 | 0.51 | 2.8 |
| R613805 | | 4.5 | 119.5 | 0.002 | 0.85 | 0.90 | 14.7 | 1 | 4.5 | 64.2 | 2.17 | <0.05 | 10.50 | 0.698 | 0.79 | 2.4 |
| R613806 | | 7.1 | 121.0 | 0.002 | 0.40 | 1.44 | 14.6 | 1 | 4.6 | 62.6 | 2.00 | <0.05 | 9.44 | 0.679 | 0.74 | 3.0 |
| R613807 | | 4.5 | 140.0 | 0.003 | 1.52 | 1.16 | 15.2 | 2 | 5.1 | 93.5 | 2.31 | 0.10 | 11.90 | 0.664 | 0.74 | 4.3 |
| R613808 | | 6.6 | 119.0 | 0.002 | 1.28 | 1.16 | 13.5 | 2 | 7.6 | 90.3 | 2.51 | 0.07 | 12.15 | 0.599 | 0.61 | 4.0 |
| R613809 | | 4.9 | 116.0 | 0.006 | 1.78 | 1.15 | 13.1 | 2 | 4.4 | 99.6 | 2.25 | 0.06 | 10.75 | 0.612 | 0.62 | 3.5 |
| R613810 | | 5.7 | 114.5 | 0.006 | 1.80 | 1.09 | 12.8 | 2 | 4.4 | 116.0 | 1.96 | 0.06 | 9.15 | 0.565 | 0.60 | 3.8 |
| R613811 | | 8.2 | 97.9 | 0.005 | 3.78 | 3.49 | 11.4 | 4 | 3.7 | 118.0 | 1.42 | 0.07 | 6.79 | 0.456 | 0.67 | 3.0 |
| R613812 | | 7.9 | 97.8 | 0.005 | 3.61 | 3.19 | 11.4 | 4 | 3.7 | 117.0 | 1.41 | 0.08 | 6.68 | 0.454 | 0.62 | 2.9 |
| R613813 | | 3.1 | 125.0 | <0.002 | 0.31 | 1.02 | 16.2 | 1 | 4.8 | 53.7 | 2.41 | <0.05 | 12.00 | 0.730 | 0.66 | 2.6 |
| R613814 | | 5.6 | 94.5 | <0.002 | 0.44 | 1.23 | 15.0 | 1 | 5.6 | 54.5 | 2.14 | <0.05 | 10.90 | 0.726 | 0.54 | 2.3 |
| R613815 | | 11.3 | 110.5 | 0.006 | 2.77 | 2.69 | 15.9 | 4 | 6.5 | 53.5 | 2.31 | 0.40 | 11.95 | 0.695 | 0.65 | 2.8 |
| R613816 | | 1420 | 31.3 | 0.010 | 0.49 | 105.5 | 7.1 | 3 | 1.8 | 210 | 0.41 | 0.07 | 3.03 | 0.191 | 0.34 | 1.9 |
| R613817 | | 7.4 | 135.0 | 0.004 | 1.58 | 1.90 | 17.3 | 2 | 7.3 | 56.2 | 3.28 | 0.11 | 13.75 | 0.809 | 0.83 | 3.1 |
| R613818 | | 15.8 | 125.0 | <0.002 | 0.39 | 1.60 | 14.3 | 2 | 14.2 | 32.8 | 1.68 | 0.20 | 10.40 | 0.506 | 0.67 | 5.9 |
| R613819 | | 15.2 | 146.5 | <0.002 | 0.03 | 1.71 | 16.0 | 2 | 16.1 | 36.5 | 2.13 | 0.16 | 11.95 | 0.555 | 0.66 | 6.3 |
| R613820 | | 28.5 | 143.5 | <0.002 | 0.12 | 1.90 | 14.8 | 1 | 22.6 | 62.2 | 2.09 | 0.08 | 8.82 | 0.642 | 0.76 | 4.4 |
| R613821 | | 17.4 | 162.5 | <0.002 | 0.05 | 1.46 | 17.5 | 2 | 27.5 | 30.5 | 2.44 | 0.09 | 7.62 | 0.759 | 0.82 | 4.2 |
| R613822 | | 5.2 | 122.0 | 0.002 | 0.03 | 1.12 | 13.5 | 1 | 16.2 | 29.7 | 1.54 | 0.09 | 8.84 | 0.513 | 0.61 | 5.5 |
| R613823 | | 2.0 | 129.0 | <0.002 | 0.03 | 0.55 | 13.0 | <1 | 15.8 | 60.1 | 1.97 | <0.05 | 12.40 | 0.602 | 0.64 | 3.4 |
| R613824 | | 2.9 | 74.4 | <0.002 | 0.03 | 0.54 | 7.6 | <1 | 8.9 | 16.0 | 0.82 | <0.05 | 6.30 | 0.279 | 0.39 | 2.7 |
| R613825 | | 2.1 | 139.0 | 0.002 | 0.05 | 0.50 | 14.2 | <1 | 17.9 | 44.8 | 2.18 | <0.05 | 14.35 | 0.729 | 0.69 | 2.5 |
| R613826 | | 1.9 | 122.0 | 0.002 | 0.09 | 0.47 | 12.9 | 1 | 16.0 | 49.1 | 1.76 | <0.05 | 12.10 | 0.607 | 0.59 | 1.9 |
| R613827 | | 2.1 | 120.0 | <0.002 | 0.09 | 0.75 | 12.5 | 1 | 16.6 | 40.3 | 1.68 | <0.05 | 12.55 | 0.592 | 0.51 | 2.2 |
| R613828 | | 2.0 | 135.5 | <0.002 | 0.04 | 0.64 | 14.3 | 1 | 20.2 | 48.9 | 2.35 | <0.05 | 13.75 | 0.763 | 0.66 | 3.4 |
| R613829 | | 3.0 | 136.5 | <0.002 | 0.04 | 0.89 | 15.1 | 2 | 19.6 | 32.7 | 1.86 | 0.08 | 13.50 | 0.639 | 0.61 | 3.8 |
| R613830 | | 1.8 | 143.0 | <0.002 | 0.03 | 0.58 | 15.4 | 1 | 19.3 | 53.3 | 2.74 | <0.05 | 15.05 | 0.880 | 0.66 | 3.7 |
| R613831 | | 1.5 | 132.5 | <0.002 | 0.05 | 0.53 | 13.7 | 1 | 15.8 | 59.2 | 1.98 | 0.06 | 13.15 | 0.682 | 0.59 | 2.2 |
| R613832 | | 1.5 | 127.5 | <0.002 | 0.03 | 0.53 | 13.5 | <1 | 15.7 | 58.5 | 1.58 | 0.05 | 12.45 | 0.639 | 0.55 | 1.6 |
| R613833 | | 1.6 | 124.0 | <0.002 | 0.04 | 0.73 | 13.2 | <1 | 19.3 | 56.8 | 1.92 | 0.05 | 12.35 | 0.651 | 0.51 | 1.9 |
| R613834 | | 122.5 | 29.6 | 0.002 | 0.12 | 14.55 | 6.8 | <1 | 1.1 | 213 | 0.38 | <0.05 | 3.00 | 0.205 | 0.42 | 1.3 |
| R613835 | | 2.0 | 136.0 | <0.002 | 0.03 | 0.74 | 15.1 | <1 | 22.8 | 55.9 | 1.78 | 0.05 | 14.30 | 0.676 | 0.58 | 1.9 |
| R613836 | | 1.9 | 70.8 | <0.002 | 0.06 | 0.84 | 8.2 | <1 | 14.0 | 29.4 | 0.64 | 0.07 | 8.52 | 0.235 | 0.32 | 3.1 |
| R613837 | | 2.3 | 113.5 | 0.003 | 0.16 | 0.51 | 12.1 | <1 | 20.9 | 31.4 | 0.86 | <0.05 | 12.70 | 0.319 | 0.54 | 2.7 |
| R613838 | | 2.8 | 96.2 | 0.002 | 0.12 | 3.19 | 11.8 | 1 | 20.6 | 34.6 | 0.78 | 0.07 | 12.35 | 0.278 | 0.42 | 3.3 |
| R613839 | | <0.5 | 0.7 | <0.002 | <0.01 | 0.07 | 0.2 | 1 | 0.2 | 83.0 | <0.05 | <0.05 | 0.09 | 0.006 | <0.02 | 0.1 |
| R613840 | | 2.8 | 111.5 | <0.002 | 0.06 | 1.28 | 14.7 | 1 | 26.9 | 39.0 | 2.13 | 0.18 | 14.30 | 0.664 | 0.48 | 3.7 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218161

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613801 | | 159 | 9.2 | 14.6 | 19 | 155.0 |
| R613802 | | 143 | 9.7 | 16.8 | 14 | 148.0 |
| R613803 | | 122 | 8.1 | 14.2 | 17 | 107.5 |
| R613804 | | 117 | 8.0 | 13.1 | 15 | 81.2 |
| R613805 | | 144 | 8.2 | 12.5 | 41 | 82.2 |
| R613806 | | 146 | 8.5 | 11.8 | 50 | 79.6 |
| R613807 | | 153 | 9.9 | 14.7 | 19 | 138.5 |
| R613808 | | 131 | 9.4 | 13.6 | 20 | 129.5 |
| R613809 | | 175 | 9.3 | 12.3 | 15 | 122.0 |
| R613810 | | 185 | 9.1 | 11.6 | 12 | 125.5 |
| R613811 | | 155 | 7.2 | 9.2 | 13 | 97.6 |
| R613812 | | 156 | 7.1 | 9.2 | 12 | 97.2 |
| R613813 | | 160 | 10.2 | 14.0 | 20 | 94.6 |
| R613814 | | 145 | 11.1 | 14.0 | 39 | 69.2 |
| R613815 | | 147 | 12.5 | 15.3 | 33 | 80.1 |
| R613816 | | 53 | 11.3 | 16.9 | 2700 | 58.3 |
| R613817 | | 156 | 12.1 | 18.2 | 37 | 108.0 |
| R613818 | | 219 | 6.8 | 11.9 | 34 | 128.0 |
| R613819 | | 233 | 5.2 | 16.6 | 20 | 159.5 |
| R613820 | | 269 | 7.2 | 7.8 | 8 | 126.0 |
| R613821 | | 312 | 8.1 | 7.4 | 7 | 131.5 |
| R613822 | | 212 | 6.9 | 11.6 | 15 | 121.5 |
| R613823 | | 128 | 4.3 | 15.7 | 18 | 109.5 |
| R613824 | | 59 | 2.8 | 9.9 | 20 | 54.0 |
| R613825 | | 127 | 4.9 | 16.8 | 19 | 108.5 |
| R613826 | | 111 | 4.6 | 15.7 | 14 | 70.8 |
| R613827 | | 125 | 4.7 | 14.5 | 13 | 93.8 |
| R613828 | | 145 | 5.6 | 20.0 | 14 | 134.5 |
| R613829 | | 146 | 5.8 | 15.2 | 12 | 150.0 |
| R613830 | | 149 | 6.3 | 23.5 | 12 | 153.5 |
| R613831 | | 121 | 4.7 | 19.1 | 13 | 108.0 |
| R613832 | | 123 | 4.9 | 17.1 | 12 | 76.4 |
| R613833 | | 119 | 5.5 | 17.9 | 14 | 76.8 |
| R613834 | | 40 | 13.0 | 15.7 | 214 | 57.3 |
| R613835 | | 125 | 5.8 | 20.9 | 13 | 83.5 |
| R613836 | | 64 | 3.5 | 12.7 | 25 | 49.0 |
| R613837 | | 104 | 4.2 | 11.3 | 11 | 77.5 |
| R613838 | | 96 | 4.2 | 10.6 | 8 | 87.8 |
| R613839 | | 1 | 0.1 | 1.8 | 3 | 1.8 |
| R613840 | | 131 | 6.4 | 11.8 | 7 | 126.0 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 4-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218161

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218134

Project: Rau

P.O. No.: R20-D32

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 4-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218134

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233561 | | 0.58 | <0.01 | 0.07 | 1.34 | 46.7 | 160 | 0.46 | 0.28 | 3.54 | 0.06 | 25.8 | 22.0 | 20 | 0.75 | 182.0 |
| W233562 | | 4.30 | 0.02 | 0.04 | 6.40 | 141.0 | 1960 | 2.12 | 0.91 | 2.04 | 0.03 | 94.9 | 18.4 | 54 | 3.73 | 27.5 |
| W233563 | | 3.34 | 0.02 | 0.05 | 6.10 | 64.3 | 1800 | 1.99 | 1.52 | 2.12 | 0.03 | 96.9 | 14.4 | 47 | 4.65 | 32.4 |
| W233564 | | 4.21 | 0.01 | 0.05 | 5.87 | 24.3 | 1780 | 1.72 | 0.64 | 3.99 | 0.02 | 76.0 | 8.8 | 48 | 3.46 | 29.9 |
| W233565 | | 5.61 | 0.02 | 0.08 | 3.75 | 389 | 1060 | 1.36 | 1.55 | 4.93 | 0.08 | 53.3 | 16.8 | 56 | 1.88 | 46.8 |
| W233566 | | 0.16 | 1.32 | 69.0 | 6.78 | 25.8 | 4250 | 0.96 | 0.12 | 1.84 | 13.05 | 23.3 | 4.4 | 17 | 0.37 | 208 |
| W233567 | | 1.64 | 0.07 | 0.11 | 5.05 | 2800 | 600 | 1.79 | 2.57 | 0.55 | 0.04 | 78.3 | 32.9 | 52 | 2.48 | 31.6 |
| W233568 | | 2.54 | 0.03 | 0.12 | 7.09 | 469 | 710 | 2.64 | 5.52 | 0.49 | 0.05 | 111.5 | 16.2 | 50 | 3.83 | 28.1 |
| W233569 | | 3.21 | 0.16 | 0.08 | 8.06 | 100.0 | 2350 | 2.78 | 1.62 | 0.54 | <0.02 | 125.0 | 8.5 | 54 | 4.14 | 50.5 |
| W233570 | | 0.49 | 0.10 | 0.08 | 3.51 | 429 | 110 | 1.03 | 0.63 | 2.13 | <0.02 | 52.2 | 19.7 | 30 | 1.82 | 43.6 |
| W233571 | | 5.30 | 0.10 | 0.06 | 7.53 | 140.5 | 2020 | 2.65 | 0.53 | 1.84 | <0.02 | 131.5 | 9.4 | 47 | 6.30 | 23.0 |
| W233572 | | 0.66 | 0.06 | 0.08 | 5.60 | 1390 | 220 | 2.11 | 0.62 | 1.66 | <0.02 | 99.8 | 34.2 | 36 | 3.17 | 51.2 |
| W233573 | | 2.14 | <0.01 | <0.01 | 0.09 | 1.2 | 20 | 0.08 | 0.02 | 35.2 | <0.02 | 1.17 | 0.5 | 1 | <0.05 | 1.8 |
| W233574 | | 4.45 | 0.10 | 0.08 | 7.43 | 217 | 2010 | 2.30 | 0.44 | 2.32 | <0.02 | 126.5 | 16.9 | 43 | 13.00 | 19.0 |
| W233575 | | 1.02 | 0.06 | 0.04 | 7.01 | 221 | 2050 | 2.44 | 1.95 | 2.22 | <0.02 | 90.6 | 10.0 | 49 | 4.03 | 18.7 |
| W233576 | | 1.05 | 0.06 | 0.07 | 7.05 | 145.0 | 2060 | 2.59 | 1.21 | 2.18 | <0.02 | 94.3 | 8.0 | 48 | 4.18 | 18.5 |
| W233577 | | 1.47 | 0.65 | 0.07 | 4.97 | >10000 | 150 | 1.77 | 3.97 | 2.11 | 0.05 | 87.8 | 52.4 | 37 | 2.41 | 28.0 |
| W233578 | | 1.33 | 0.02 | 0.07 | 7.73 | 322 | 1570 | 2.88 | 1.87 | 1.55 | <0.02 | 92.2 | 6.0 | 55 | 4.25 | 38.3 |
| W233579 | | 0.69 | 0.04 | 0.13 | 6.41 | 726 | 410 | 2.39 | 4.34 | 0.44 | 0.02 | 60.4 | 9.9 | 44 | 3.47 | 49.7 |
| W233580 | | 1.08 | 0.01 | 0.05 | 7.26 | 209 | 1800 | 2.53 | 1.65 | 1.71 | <0.02 | 94.2 | 4.7 | 53 | 3.47 | 15.1 |
| W233581 | | 1.71 | 0.18 | 0.29 | 3.34 | 1250 | 30 | 1.00 | 4.39 | 0.38 | 0.06 | 58.6 | 30.8 | 40 | 0.68 | 159.0 |
| W233582 | | 1.75 | 0.04 | 0.10 | 6.96 | 368 | 400 | 2.37 | 7.07 | 0.89 | <0.02 | 96.3 | 14.6 | 88 | 3.66 | 14.6 |
| W233583 | | 1.15 | 0.05 | 0.06 | 6.44 | 454 | 490 | 2.17 | 2.08 | 1.49 | <0.02 | 99.9 | 13.2 | 75 | 3.15 | 13.6 |
| W233584 | | 0.73 | 0.02 | 0.06 | 6.85 | 254 | 1690 | 2.27 | 1.07 | 2.96 | <0.02 | 117.5 | 10.2 | 67 | 3.35 | 12.6 |
| W233585 | | 1.96 | 0.16 | 0.42 | 5.52 | 2370 | 270 | 1.60 | 2.15 | 0.71 | 0.07 | 70.0 | 26.6 | 51 | 2.13 | 40.6 |
| W233586 | | 1.49 | 0.02 | 0.04 | 2.95 | 522 | 740 | 0.97 | 1.17 | 2.32 | <0.02 | 38.2 | 7.0 | 51 | 1.28 | 7.4 |
| W233587 | | 6.17 | 0.20 | 0.12 | 3.99 | 151.0 | 630 | 1.49 | 3.77 | 0.95 | 0.04 | 49.3 | 13.9 | 64 | 2.20 | 31.9 |
| W233588 | | <0.02 | 0.17 | 0.09 | 3.84 | 129.0 | 480 | 1.23 | 3.29 | 0.89 | 0.02 | 41.9 | 12.4 | 62 | 1.95 | 25.0 |
| W233589 | | 3.21 | 0.05 | 0.09 | 3.45 | 62.6 | 830 | 1.26 | 3.44 | 1.62 | 0.02 | 40.5 | 13.6 | 58 | 2.07 | 35.8 |
| W233590 | | 0.41 | 0.04 | 0.12 | 2.10 | 74.0 | 720 | 0.81 | 3.20 | 0.31 | 0.08 | 26.6 | 11.9 | 47 | 1.30 | 45.8 |
| W233591 | | 2.29 | 0.03 | 0.09 | 3.58 | 65.9 | 1250 | 1.40 | 3.75 | 2.08 | 0.06 | 45.0 | 11.1 | 58 | 2.28 | 32.0 |
| W233592 | | 4.63 | 0.06 | 0.11 | 3.84 | 92.9 | 460 | 1.30 | 5.20 | 1.99 | 0.04 | 48.0 | 18.2 | 60 | 2.40 | 45.8 |
| W233593 | | 5.86 | 0.02 | 0.19 | 3.68 | 79.3 | 960 | 1.36 | 2.28 | 2.04 | 0.04 | 42.1 | 16.8 | 61 | 2.48 | 38.6 |
| W233594 | | 3.21 | 0.01 | 0.31 | 4.43 | 74.9 | 620 | 1.44 | 2.80 | 1.96 | 0.05 | 56.3 | 15.4 | 60 | 2.90 | 38.6 |
| W233595 | | 4.05 | 0.02 | 0.33 | 4.75 | 51.8 | 270 | 1.53 | 3.93 | 0.93 | 0.08 | 64.2 | 17.3 | 64 | 3.04 | 50.8 |
| W233596 | | 2.11 | 0.02 | 0.16 | 5.34 | 88.0 | 270 | 1.78 | 2.14 | 0.65 | 0.09 | 71.3 | 14.9 | 73 | 3.71 | 50.9 |
| W233597 | | 4.17 | 0.03 | 0.57 | 4.73 | 92.4 | 220 | 1.59 | 1.89 | 0.74 | 0.06 | 60.0 | 18.6 | 65 | 2.95 | 79.4 |
| W233598 | | 2.76 | 0.04 | 0.05 | 4.60 | 40.2 | 610 | 1.57 | 1.58 | 2.10 | 0.06 | 61.8 | 14.1 | 63 | 2.83 | 65.6 |
| W233599 | | 0.16 | 0.57 | 1.57 | 7.01 | 29.2 | 840 | 1.02 | 0.20 | 1.81 | 1.19 | 24.6 | 5.2 | 13 | 0.35 | 52.0 |
| W233600 | | 1.57 | 0.02 | 0.13 | 4.54 | 35.6 | 380 | 1.51 | 1.51 | 3.09 | 0.09 | 58.1 | 14.1 | 58 | 2.91 | 53.5 |

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

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**Finalized Date: 4-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218134

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233561 | | 7.84 | 3.63 | 0.06 | 0.5 | 0.043 | 0.60 | 13.2 | 2.3 | 1.71 | 1080 | 0.37 | 0.03 | 7.5 | 46.2 | 420 |
| W233562 | | 4.88 | 18.80 | 0.14 | 3.0 | 0.087 | 2.77 | 50.5 | 13.3 | 1.95 | 825 | 2.95 | 0.08 | 39.7 | 36.3 | 1840 |
| W233563 | | 4.66 | 18.40 | 0.14 | 2.8 | 0.086 | 2.82 | 51.8 | 14.8 | 1.96 | 841 | 1.60 | 0.07 | 40.1 | 30.4 | 1800 |
| W233564 | | 3.91 | 15.25 | 0.12 | 2.3 | 0.065 | 2.75 | 40.6 | 10.6 | 2.11 | 960 | 0.52 | 0.07 | 30.0 | 24.8 | 1540 |
| W233565 | | 3.78 | 11.00 | 0.10 | 2.3 | 0.057 | 1.77 | 28.6 | 6.4 | 2.09 | 1250 | 7.88 | 0.04 | 14.6 | 35.0 | 2470 |
| W233566 | | 2.46 | 12.65 | 0.06 | 1.7 | 0.037 | 1.43 | 12.2 | 2.2 | 0.55 | 711 | 6.29 | 3.19 | 5.1 | 7.1 | 490 |
| W233567 | | 3.45 | 15.75 | 0.11 | 3.1 | 0.043 | 2.14 | 40.3 | 8.8 | 0.49 | 1020 | 3.82 | 0.09 | 30.5 | 27.0 | 1940 |
| W233568 | | 4.66 | 23.3 | 0.16 | 3.2 | 0.071 | 3.32 | 57.1 | 11.8 | 0.52 | 1320 | 1.02 | 0.09 | 46.3 | 31.0 | 1750 |
| W233569 | | 3.95 | 24.3 | 0.17 | 1.9 | 0.076 | 3.92 | 63.9 | 12.2 | 0.64 | 1500 | 0.56 | 0.10 | 47.3 | 29.3 | 1950 |
| W233570 | | 7.44 | 10.30 | 0.10 | 0.8 | 0.033 | 1.56 | 25.8 | 4.6 | 0.41 | 897 | 0.55 | 0.06 | 19.1 | 57.2 | 990 |
| W233571 | | 3.40 | 23.5 | 0.17 | 3.8 | 0.074 | 3.47 | 67.8 | 13.8 | 1.75 | 739 | 0.56 | 0.08 | 50.3 | 27.1 | 1660 |
| W233572 | | 10.60 | 16.55 | 0.16 | 1.6 | 0.062 | 2.62 | 50.9 | 8.4 | 1.15 | 1150 | 0.37 | 0.07 | 20.0 | 31.0 | 1110 |
| W233573 | | 0.13 | 0.32 | <0.05 | 0.1 | <0.005 | 0.03 | 1.3 | 1.0 | 1.70 | 102 | 0.07 | 0.04 | 0.3 | 0.5 | 60 |
| W233574 | | 4.01 | 23.1 | 0.17 | 4.1 | 0.069 | 3.96 | 67.3 | 18.6 | 2.40 | 1050 | 0.54 | 0.07 | 49.9 | 34.0 | 1860 |
| W233575 | | 2.31 | 21.4 | 0.15 | 3.1 | 0.063 | 3.33 | 46.2 | 12.4 | 1.39 | 636 | 1.14 | 0.09 | 34.8 | 25.6 | 1770 |
| W233576 | | 2.10 | 22.6 | 0.15 | 3.1 | 0.066 | 3.35 | 48.2 | 12.9 | 1.40 | 600 | 1.03 | 0.09 | 36.4 | 23.4 | 1700 |
| W233577 | | 7.84 | 15.95 | 0.16 | 2.5 | 0.054 | 2.27 | 44.7 | 7.0 | 1.25 | 1060 | 0.99 | 0.06 | 30.1 | 37.8 | 1030 |
| W233578 | | 2.64 | 24.7 | 0.14 | 5.0 | 0.076 | 3.63 | 47.5 | 12.8 | 0.91 | 600 | 3.10 | 0.09 | 59.4 | 22.6 | 3260 |
| W233579 | | 4.84 | 20.2 | 0.11 | 3.6 | 0.063 | 3.01 | 30.8 | 11.5 | 0.46 | 623 | 2.27 | 0.08 | 49.5 | 31.9 | 1710 |
| W233580 | | 2.15 | 22.6 | 0.13 | 4.7 | 0.059 | 3.05 | 48.6 | 12.3 | 1.26 | 597 | 2.45 | 0.14 | 58.1 | 24.4 | 2480 |
| W233581 | | 19.80 | 10.45 | 0.14 | 1.9 | 0.029 | 0.69 | 29.5 | 3.2 | 0.66 | 432 | 4.31 | 0.17 | 12.0 | 95.0 | 1460 |
| W233582 | | 5.06 | 21.6 | 0.14 | 4.3 | 0.066 | 3.18 | 49.2 | 11.4 | 0.72 | 788 | 9.02 | 0.10 | 33.3 | 69.1 | 2560 |
| W233583 | | 4.31 | 19.70 | 0.15 | 4.1 | 0.070 | 2.88 | 52.1 | 9.6 | 0.92 | 1060 | 5.86 | 0.09 | 33.3 | 41.3 | 2090 |
| W233584 | | 3.04 | 22.1 | 0.16 | 4.1 | 0.056 | 3.17 | 63.4 | 11.1 | 1.54 | 1260 | 1.69 | 0.08 | 35.4 | 28.6 | 2220 |
| W233585 | | 5.57 | 15.95 | 0.09 | 2.8 | 0.114 | 2.20 | 37.3 | 7.3 | 0.63 | 1440 | 2.06 | 0.12 | 22.8 | 36.4 | 2010 |
| W233586 | | 1.77 | 9.32 | 0.06 | 1.8 | 0.030 | 1.20 | 21.2 | 4.6 | 1.13 | 768 | 8.31 | 0.06 | 14.8 | 38.6 | 1780 |
| W233587 | | 2.98 | 12.00 | 0.10 | 2.5 | 0.040 | 1.84 | 27.2 | 7.4 | 0.53 | 465 | 12.00 | 0.04 | 17.9 | 45.0 | 1820 |
| W233588 | | 2.80 | 10.35 | 0.08 | 2.1 | 0.031 | 1.81 | 23.3 | 6.4 | 0.51 | 435 | 10.10 | 0.04 | 16.1 | 39.8 | 1720 |
| W233589 | | 2.77 | 10.15 | 0.07 | 2.1 | 0.031 | 1.66 | 22.7 | 7.6 | 0.84 | 604 | 6.31 | 0.03 | 14.6 | 35.9 | 1440 |
| W233590 | | 2.58 | 5.98 | 0.06 | 1.3 | 0.028 | 1.01 | 14.7 | 4.1 | 0.23 | 444 | 1.99 | 0.02 | 8.6 | 38.8 | 860 |
| W233591 | | 2.36 | 10.80 | 0.08 | 2.0 | 0.034 | 1.74 | 24.9 | 8.1 | 1.07 | 556 | 3.66 | 0.03 | 14.9 | 32.5 | 1430 |
| W233592 | | 3.28 | 11.00 | 0.15 | 2.3 | 0.035 | 1.86 | 28.4 | 8.1 | 0.99 | 601 | 8.14 | 0.04 | 18.3 | 46.9 | 2060 |
| W233593 | | 3.23 | 10.50 | 0.15 | 2.1 | 0.039 | 1.79 | 25.4 | 7.7 | 1.14 | 682 | 5.63 | 0.04 | 16.6 | 43.8 | 1380 |
| W233594 | | 3.14 | 12.25 | 0.15 | 2.6 | 0.045 | 2.14 | 31.4 | 9.0 | 1.14 | 596 | 6.85 | 0.05 | 21.0 | 38.0 | 1400 |
| W233595 | | 4.44 | 13.75 | 0.17 | 2.9 | 0.044 | 2.26 | 34.6 | 11.1 | 0.68 | 684 | 6.94 | 0.05 | 21.4 | 43.4 | 1580 |
| W233596 | | 3.85 | 14.70 | 0.17 | 3.3 | 0.058 | 2.26 | 39.2 | 11.4 | 0.73 | 248 | 7.30 | 0.05 | 24.0 | 40.2 | 1730 |
| W233597 | | 5.24 | 13.20 | 0.15 | 3.0 | 0.053 | 2.21 | 32.8 | 9.5 | 0.60 | 853 | 6.40 | 0.05 | 20.0 | 46.8 | 1700 |
| W233598 | | 3.84 | 12.80 | 0.15 | 2.6 | 0.049 | 2.22 | 34.3 | 9.7 | 1.09 | 861 | 7.38 | 0.06 | 21.9 | 39.3 | 1830 |
| W233599 | | 2.39 | 14.00 | 0.13 | 2.0 | 0.057 | 1.51 | 13.0 | 2.2 | 0.58 | 748 | 4.88 | 3.35 | 6.0 | 5.7 | 440 |
| W233600 | | 2.96 | 12.65 | 0.17 | 2.5 | 0.049 | 2.15 | 31.7 | 9.7 | 1.56 | 461 | 6.59 | 0.06 | 23.8 | 39.3 | 1460 |

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

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**Finalized Date: 4-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218134

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233561 | | 2.3 | 22.0 | 0.006 | 4.35 | 0.53 | 4.1 | 2 | 3.5 | 53.3 | 0.39 | <0.05 | 2.44 | 0.106 | 0.19 | 2.0 |
| W233562 | | 1.7 | 123.0 | 0.017 | 0.73 | 1.13 | 13.4 | 1 | 13.1 | 64.6 | 2.27 | <0.05 | 11.75 | 0.619 | 0.64 | 4.3 |
| W233563 | | 1.8 | 131.0 | 0.015 | 0.89 | 1.07 | 13.8 | 1 | 13.5 | 64.4 | 2.27 | <0.05 | 10.75 | 0.611 | 0.75 | 4.1 |
| W233564 | | 1.1 | 107.5 | 0.010 | 0.93 | 0.82 | 11.3 | 1 | 11.6 | 92.3 | 1.74 | <0.05 | 9.10 | 0.537 | 0.61 | 3.0 |
| W233565 | | 5.6 | 80.1 | 0.015 | 1.24 | 2.63 | 8.7 | 1 | 12.9 | 91.4 | 0.89 | 0.11 | 7.20 | 0.235 | 0.44 | 4.8 |
| W233566 | | 1460 | 27.4 | 0.008 | 0.48 | 105.0 | 6.3 | 2 | 1.6 | 198.5 | 0.37 | 0.06 | 2.66 | 0.191 | 0.31 | 1.6 |
| W233567 | | 2.9 | 91.0 | 0.010 | 1.56 | 16.10 | 11.7 | 1 | 21.3 | 28.1 | 1.78 | 0.16 | 9.99 | 0.440 | 0.98 | 6.5 |
| W233568 | | 4.1 | 147.5 | 0.002 | 2.31 | 12.85 | 18.2 | 1 | 25.3 | 32.9 | 2.75 | <0.05 | 13.20 | 0.723 | 1.32 | 5.7 |
| W233569 | | 2.0 | 159.5 | <0.002 | 1.27 | 7.75 | 19.1 | 1 | 27.6 | 35.2 | 2.93 | <0.05 | 13.50 | 0.895 | 1.10 | 3.5 |
| W233570 | | 2.3 | 66.0 | <0.002 | 5.33 | 3.15 | 8.7 | 3 | 12.4 | 24.2 | 1.07 | 0.05 | 5.28 | 0.304 | 0.42 | 1.8 |
| W233571 | | 1.2 | 160.5 | 0.004 | 0.87 | 6.15 | 17.0 | <1 | 24.2 | 45.7 | 3.02 | <0.05 | 15.40 | 0.791 | 1.10 | 3.2 |
| W233572 | | 1.7 | 112.0 | 0.003 | 6.04 | 1.24 | 14.1 | 2 | 17.1 | 29.9 | 1.19 | 0.27 | 7.99 | 0.404 | 0.61 | 2.9 |
| W233573 | | <0.5 | 1.3 | <0.002 | 0.01 | 0.08 | 0.2 | 1 | <0.2 | 84.6 | <0.05 | <0.05 | 0.10 | 0.006 | <0.02 | 0.2 |
| W233574 | | 1.0 | 211 | 0.011 | 0.64 | 0.97 | 17.6 | <1 | 22.1 | 47.2 | 2.94 | <0.05 | 13.10 | 0.808 | 1.34 | 5.1 |
| W233575 | | 1.3 | 136.0 | 0.012 | 0.76 | 1.84 | 16.8 | 1 | 21.9 | 46.0 | 2.15 | <0.05 | 11.20 | 0.713 | 0.69 | 4.6 |
| W233576 | | 1.7 | 141.0 | 0.010 | 0.69 | 1.86 | 18.0 | 1 | 23.1 | 48.2 | 2.18 | <0.05 | 11.65 | 0.714 | 0.69 | 4.3 |
| W233577 | | 3.4 | 92.9 | 0.002 | 3.62 | 7.84 | 10.6 | 16 | 16.6 | 31.4 | 1.87 | 1.19 | 10.10 | 0.389 | 0.45 | 3.3 |
| W233578 | | 1.9 | 148.0 | 0.005 | 1.12 | 4.42 | 16.6 | 1 | 28.0 | 43.4 | 3.53 | 0.06 | 15.65 | 0.797 | 0.92 | 5.7 |
| W233579 | | 3.0 | 131.0 | 0.002 | 2.84 | 23.8 | 14.9 | 1 | 25.0 | 29.2 | 2.81 | 0.07 | 12.20 | 0.652 | 1.05 | 5.4 |
| W233580 | | 1.9 | 127.5 | 0.004 | 0.76 | 3.50 | 17.2 | 1 | 32.3 | 50.3 | 3.36 | <0.05 | 14.95 | 0.812 | 0.73 | 5.1 |
| W233581 | | 8.2 | 28.9 | 0.004 | >10.0 | 6.78 | 7.3 | 4 | 11.8 | 30.3 | 0.66 | 0.18 | 7.20 | 0.197 | 0.48 | 3.3 |
| W233582 | | 2.6 | 134.5 | 0.008 | 2.61 | 14.35 | 16.6 | 2 | 31.5 | 42.5 | 2.00 | 0.07 | 12.60 | 0.578 | 1.01 | 6.7 |
| W233583 | | 2.3 | 122.0 | 0.010 | 2.23 | 11.70 | 14.5 | 1 | 33.0 | 41.1 | 1.95 | <0.05 | 13.55 | 0.547 | 0.84 | 5.7 |
| W233584 | | 1.8 | 137.0 | 0.002 | 1.02 | 6.69 | 14.8 | 1 | 32.1 | 68.2 | 2.06 | <0.05 | 14.35 | 0.553 | 0.74 | 4.5 |
| W233585 | | 5.1 | 81.6 | <0.002 | 2.68 | 8.43 | 11.3 | 1 | 25.4 | 30.9 | 1.29 | 0.23 | 11.20 | 0.392 | 0.54 | 5.0 |
| W233586 | | 2.3 | 50.8 | 0.013 | 0.47 | 3.09 | 7.7 | <1 | 15.5 | 46.8 | 0.90 | 0.05 | 4.90 | 0.256 | 0.32 | 3.7 |
| W233587 | | 4.5 | 78.8 | 0.019 | 1.61 | 4.31 | 9.6 | 2 | 13.0 | 34.0 | 1.18 | 0.14 | 5.94 | 0.289 | 0.51 | 5.7 |
| W233588 | | 3.6 | 67.7 | 0.016 | 1.57 | 3.71 | 8.2 | 2 | 11.3 | 29.0 | 0.97 | 0.12 | 5.13 | 0.287 | 0.44 | 4.8 |
| W233589 | | 2.5 | 69.2 | 0.011 | 1.29 | 3.26 | 8.5 | 2 | 8.5 | 45.0 | 0.92 | 0.13 | 5.00 | 0.262 | 0.51 | 4.6 |
| W233590 | | 4.7 | 42.8 | 0.003 | 1.04 | 3.88 | 5.1 | 1 | 5.3 | 15.6 | 0.52 | 0.08 | 3.15 | 0.141 | 0.38 | 3.2 |
| W233591 | | 3.9 | 74.5 | 0.007 | 1.14 | 1.94 | 8.9 | 1 | 8.5 | 59.7 | 0.91 | 0.13 | 5.28 | 0.262 | 0.45 | 4.2 |
| W233592 | | 4.1 | 77.4 | 0.015 | 1.92 | 3.43 | 9.3 | 3 | 8.1 | 52.6 | 1.04 | 0.19 | 5.47 | 0.296 | 0.53 | 5.6 |
| W233593 | | 2.8 | 74.6 | 0.011 | 1.34 | 3.13 | 9.0 | 2 | 5.9 | 58.6 | 0.92 | 0.14 | 5.36 | 0.291 | 0.55 | 4.9 |
| W233594 | | 2.9 | 89.2 | 0.016 | 1.51 | 5.04 | 9.9 | 2 | 6.0 | 58.8 | 1.20 | 0.10 | 7.06 | 0.355 | 0.67 | 5.9 |
| W233595 | | 3.2 | 95.5 | 0.014 | 2.18 | 7.21 | 11.5 | 3 | 6.9 | 36.6 | 1.18 | 0.09 | 8.03 | 0.386 | 0.81 | 6.6 |
| W233596 | | 2.8 | 97.2 | 0.017 | 2.02 | 10.80 | 13.0 | 3 | 7.9 | 32.6 | 1.34 | 0.08 | 9.10 | 0.428 | 0.75 | 11.7 |
| W233597 | | 1.9 | 91.2 | 0.015 | 2.59 | 9.30 | 11.5 | 3 | 6.1 | 30.3 | 1.07 | 0.07 | 7.56 | 0.366 | 0.91 | 7.2 |
| W233598 | | 2.1 | 89.7 | 0.011 | 1.71 | 7.87 | 10.5 | 2 | 4.7 | 59.0 | 1.18 | 0.05 | 7.67 | 0.388 | 0.73 | 5.4 |
| W233599 | | 127.0 | 29.0 | <0.002 | 0.12 | 15.70 | 7.3 | <1 | 1.2 | 203 | 0.41 | <0.05 | 2.94 | 0.202 | 0.47 | 1.3 |
| W233600 | | 1.8 | 91.6 | 0.013 | 1.73 | 2.21 | 10.1 | 2 | 4.0 | 82.8 | 1.29 | 0.05 | 7.24 | 0.415 | 0.56 | 5.1 |

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

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


**Finalized Date: 4-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218134

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233561 | | 22 | 0.7 | 7.3 | 16 | 22.8 |
| W233562 | | 127 | 2.5 | 12.2 | 28 | 120.5 |
| W233563 | | 121 | 2.8 | 12.0 | 23 | 115.0 |
| W233564 | | 105 | 2.3 | 10.8 | 15 | 80.5 |
| W233565 | | 179 | 2.3 | 11.8 | 14 | 84.4 |
| W233566 | | 51 | 10.2 | 15.5 | 2680 | 52.2 |
| W233567 | | 131 | 4.6 | 13.1 | 16 | 121.5 |
| W233568 | | 148 | 6.4 | 17.9 | 12 | 133.0 |
| W233569 | | 166 | 7.3 | 16.1 | 10 | 76.0 |
| W233570 | | 63 | 2.9 | 9.2 | 8 | 33.4 |
| W233571 | | 143 | 9.6 | 17.7 | 14 | 153.0 |
| W233572 | | 101 | 3.8 | 12.9 | 6 | 62.9 |
| W233573 | | 1 | <0.1 | 2.3 | 3 | 1.8 |
| W233574 | | 139 | 5.3 | 18.4 | 18 | 149.0 |
| W233575 | | 151 | 6.3 | 14.9 | 8 | 116.5 |
| W233576 | | 150 | 6.3 | 15.5 | 8 | 125.0 |
| W233577 | | 89 | 4.6 | 12.1 | 11 | 95.7 |
| W233578 | | 170 | 7.5 | 19.8 | 8 | 197.0 |
| W233579 | | 131 | 5.9 | 15.3 | 13 | 146.0 |
| W233580 | | 165 | 7.6 | 17.7 | 8 | 187.5 |
| W233581 | | 70 | 3.1 | 9.7 | 13 | 73.9 |
| W233582 | | 169 | 5.7 | 17.1 | 13 | 160.5 |
| W233583 | | 159 | 5.6 | 15.7 | 13 | 155.5 |
| W233584 | | 142 | 5.5 | 16.1 | 14 | 162.0 |
| W233585 | | 105 | 5.4 | 13.2 | 29 | 119.5 |
| W233586 | | 143 | 3.4 | 8.8 | 8 | 69.0 |
| W233587 | | 204 | 3.2 | 11.3 | 9 | 98.7 |
| W233588 | | 195 | 2.7 | 9.6 | 8 | 86.4 |
| W233589 | | 173 | 2.5 | 9.7 | 8 | 75.6 |
| W233590 | | 75 | 1.4 | 6.4 | 14 | 48.2 |
| W233591 | | 154 | 2.2 | 9.3 | 9 | 69.0 |
| W233592 | | 177 | 2.3 | 11.0 | 9 | 90.9 |
| W233593 | | 152 | 2.4 | 9.5 | 12 | 84.8 |
| W233594 | | 149 | 2.9 | 10.0 | 12 | 103.0 |
| W233595 | | 168 | 3.0 | 10.9 | 13 | 112.0 |
| W233596 | | 194 | 3.9 | 12.1 | 13 | 136.5 |
| W233597 | | 170 | 2.6 | 11.3 | 11 | 123.0 |
| W233598 | | 160 | 1.5 | 11.4 | 11 | 109.0 |
| W233599 | | 40 | 10.5 | 15.9 | 216 | 62.3 |
| W233600 | | 158 | 1.5 | 10.0 | 13 | 102.0 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 4-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218134

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218099

Project: Rau

P.O. No.: R20-D33

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218099

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613841 | | 0.69 | 2.53 | 0.19 | 4.44 | 4630 | 830 | 1.39 | 489 | 0.16 | 0.05 | 124.5 | 14.5 | 48 | 2.20 | 8.9 |
| R613842 | | 1.13 | 0.19 | 0.14 | 9.76 | 164.5 | 2260 | 3.05 | 73.7 | 0.03 | <0.02 | 494 | 1.5 | 83 | 5.33 | 3.5 |
| R613843 | | 2.23 | 4.81 | 0.92 | 8.19 | 674 | 1720 | 2.54 | 79.9 | 0.06 | <0.02 | >500 | 19.2 | 66 | 3.78 | 5.5 |
| R613844 | | 4.47 | 0.09 | 0.08 | 7.11 | 1290 | 1710 | 2.42 | 4.95 | 2.53 | <0.02 | 137.0 | 15.2 | 58 | 4.03 | 2.6 |
| R613845 | | 0.81 | 0.06 | 0.04 | 6.00 | 841 | 1450 | 2.07 | 5.55 | 3.84 | 0.04 | 115.0 | 20.3 | 51 | 3.49 | 2.8 |
| R613846 | | 4.83 | 0.05 | 0.02 | 6.65 | 751 | 1620 | 2.25 | 1.77 | 4.00 | <0.02 | 118.5 | 18.8 | 54 | 3.73 | 3.4 |
| R613847 | | 2.49 | 0.18 | 0.35 | 7.46 | 987 | 1710 | 2.38 | 87.4 | 1.10 | 0.03 | 103.5 | 19.9 | 69 | 3.94 | 17.8 |
| R613848 | | 2.36 | 0.06 | <0.01 | 7.50 | 424 | 1880 | 2.75 | 1.08 | 3.10 | <0.02 | 97.9 | 12.4 | 66 | 4.75 | 2.4 |
| R613849 | | 3.06 | 0.13 | 0.02 | 4.42 | 199.0 | 1020 | 1.29 | 1.88 | 4.58 | 0.15 | 72.7 | 5.7 | 39 | 2.48 | 5.0 |
| R613850 | | 2.08 | 0.09 | 0.02 | 7.60 | 252 | 1840 | 2.48 | 0.94 | 4.32 | <0.02 | 109.0 | 8.5 | 68 | 4.49 | 5.1 |
| R613851 | | 1.86 | 0.02 | 0.07 | 6.59 | 1045 | 480 | 2.05 | 34.5 | 2.31 | 0.04 | 105.5 | 17.5 | 56 | 4.30 | 7.2 |
| R613852 | | 1.21 | 0.21 | 0.28 | 1.02 | 908 | 30 | 0.28 | 135.5 | 0.17 | 0.02 | 38.7 | 215 | 17 | 0.69 | 7.4 |
| R613853 | | 2.01 | <0.01 | <0.01 | 0.28 | 2.2 | 30 | 0.15 | 0.59 | 34.0 | 0.02 | 1.32 | 0.9 | 2 | <0.05 | 1.9 |
| R613854 | | 1.26 | 0.01 | 0.03 | 5.73 | 389 | 810 | 1.71 | 2.02 | 8.08 | 0.04 | 135.0 | 16.6 | 43 | 3.35 | 13.0 |
| R613855 | | 0.16 | 4.97 | 17.50 | 6.47 | 795 | 60 | 0.78 | 6.47 | 4.17 | 12.00 | 32.0 | 26.0 | 32 | 1.61 | 2210 |
| R613856 | | 1.70 | 0.40 | 0.04 | 8.28 | 562 | 330 | 2.43 | 7.37 | 1.80 | <0.02 | 88.7 | 26.9 | 67 | 5.04 | 17.7 |
| R613857 | | 2.96 | 0.04 | 0.04 | 8.29 | 306 | 1610 | 2.60 | 1.78 | 2.42 | <0.02 | 146.5 | 14.7 | 74 | 5.02 | 18.6 |
| R613858 | | 0.93 | 0.03 | 0.03 | 7.34 | 208 | 1830 | 2.18 | 0.88 | 4.09 | 0.02 | 105.5 | 15.9 | 58 | 4.33 | 11.1 |
| R613859 | | 1.74 | 0.06 | <0.01 | 7.87 | 208 | 2030 | 2.46 | 0.80 | 3.89 | 0.02 | 133.5 | 13.7 | 63 | 4.74 | 8.0 |
| R613860 | | 0.47 | 0.12 | 0.19 | 2.13 | 182.5 | 520 | 0.70 | 18.20 | 1.29 | 0.06 | 55.8 | 20.2 | 24 | 1.40 | 76.0 |
| R613861 | | 2.83 | 0.04 | 0.04 | 6.78 | 238 | 1260 | 2.03 | 3.01 | 3.65 | 0.03 | 116.0 | 26.1 | 56 | 4.30 | 52.1 |
| R613862 | | 2.37 | 0.02 | 0.04 | 6.83 | 111.5 | 1790 | 2.06 | 0.96 | 3.80 | 0.03 | 103.0 | 11.5 | 56 | 4.35 | 21.0 |
| R613863 | | 6.42 | 0.03 | 0.03 | 7.27 | 122.5 | 1870 | 2.29 | 3.76 | 3.17 | <0.02 | 122.5 | 17.5 | 58 | 6.54 | 27.5 |
| R613864 | | 6.73 | 0.07 | 0.03 | 7.03 | 136.5 | 1830 | 2.33 | 0.71 | 3.17 | 0.03 | 116.5 | 17.3 | 55 | 8.12 | 28.5 |
| R613865 | | 4.42 | 0.06 | 0.02 | 6.84 | 96.4 | 1800 | 2.31 | 0.60 | 2.65 | 0.03 | 116.0 | 13.8 | 55 | 9.22 | 16.8 |
| R613866 | | 0.82 | 0.06 | 0.03 | 6.79 | 54.7 | 1750 | 2.10 | 0.44 | 3.44 | 0.03 | 110.5 | 17.2 | 54 | 11.50 | 21.9 |
| R613867 | | 0.98 | 0.03 | 0.04 | 6.52 | 93.7 | 1730 | 2.35 | 3.08 | 2.96 | 0.04 | 102.5 | 14.4 | 51 | 10.65 | 9.7 |
| R613868 | | 1.95 | 0.07 | 0.03 | 7.23 | 92.6 | 1870 | 2.39 | 0.81 | 1.87 | 0.05 | 116.5 | 18.6 | 61 | 9.90 | 32.3 |
| R613869 | | 1.27 | 0.01 | 0.01 | 7.56 | 47.6 | 1980 | 2.40 | 0.18 | 1.12 | 0.02 | 115.0 | 9.8 | 62 | 12.95 | 7.2 |
| R613870 | | 1.45 | 0.04 | 0.01 | 8.08 | 44.6 | 2190 | 2.71 | 0.17 | 1.12 | <0.02 | 122.0 | 12.0 | 65 | 12.65 | 7.5 |
| R613871 | | <0.02 | 0.05 | 0.01 | 8.20 | 47.1 | 2220 | 2.69 | 0.15 | 1.10 | <0.02 | 130.0 | 11.7 | 66 | 12.55 | 7.1 |
| R613872 | | 2.40 | 0.02 | <0.01 | 8.30 | 48.2 | 2250 | 2.82 | 0.38 | 1.55 | <0.02 | 122.5 | 10.5 | 64 | 11.60 | 5.7 |
| R613873 | | 4.23 | 0.05 | 0.03 | 7.06 | 100.5 | 1850 | 2.57 | 0.27 | 2.38 | <0.02 | 118.5 | 23.6 | 58 | 9.28 | 13.5 |
| R613874 | | 0.16 | 1.27 | 64.7 | 6.87 | 30.6 | 4220 | 1.05 | 0.14 | 1.81 | 14.45 | 27.3 | 5.1 | 17 | 0.43 | 208 |
| R613875 | | 1.26 | 0.03 | 0.05 | 6.40 | 124.0 | 1700 | 2.23 | 0.65 | 3.60 | 0.02 | 110.0 | 10.8 | 54 | 4.05 | 5.4 |
| R613876 | | 0.66 | 0.16 | 0.05 | 4.65 | 241 | 1190 | 1.64 | 0.53 | 3.50 | 0.04 | 74.0 | 10.2 | 45 | 2.95 | 7.1 |
| R613877 | | 0.97 | 0.13 | <0.01 | 7.94 | 144.0 | 1990 | 2.79 | 0.81 | 3.53 | <0.02 | 135.5 | 6.1 | 64 | 4.75 | 2.0 |
| R613878 | | 3.59 | 0.17 | 0.08 | 7.34 | 321 | 410 | 2.44 | 10.30 | 2.20 | <0.02 | 128.5 | 17.8 | 54 | 3.85 | 4.7 |
| R613879 | | 3.03 | 0.14 | 0.06 | 6.66 | 233 | 390 | 2.17 | 7.11 | 2.24 | <0.02 | 127.0 | 11.5 | 50 | 3.41 | 4.9 |
| R613880 | | 1.22 | 0.11 | 0.06 | 6.34 | 443 | 120 | 2.05 | 4.22 | 2.80 | <0.02 | 89.9 | 21.6 | 44 | 3.49 | 4.8 |

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

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**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218099

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613841 | | 8.54 | 15.25 | 0.16 | 1.9 | 0.047 | 1.78 | 74.0 | 6.6 | 0.45 | 111 | 2.74 | 0.09 | 16.1 | 16.0 | 1140 |
| R613842 | | 1.32 | 36.9 | 0.48 | 3.9 | 0.068 | 4.78 | 285 | 15.5 | 0.63 | 33 | 0.60 | 0.10 | 67.8 | 4.3 | 300 |
| R613843 | | 4.37 | 29.8 | 0.52 | 3.3 | 0.059 | 3.79 | 340 | 12.6 | 0.52 | 127 | 2.66 | 0.09 | 50.0 | 17.1 | 520 |
| R613844 | | 5.10 | 23.0 | 0.21 | 2.7 | 0.059 | 3.41 | 77.6 | 15.6 | 1.55 | 759 | 0.55 | 0.06 | 40.3 | 27.2 | 1660 |
| R613845 | | 2.73 | 17.70 | 0.20 | 2.0 | 0.051 | 2.89 | 66.1 | 13.3 | 2.10 | 999 | 0.43 | 0.05 | 36.4 | 36.6 | 1800 |
| R613846 | | 2.68 | 20.9 | 0.22 | 2.3 | 0.052 | 3.20 | 66.8 | 14.1 | 2.20 | 861 | 0.37 | 0.05 | 39.0 | 39.4 | 1900 |
| R613847 | | 3.09 | 21.6 | 0.19 | 3.8 | 0.050 | 3.44 | 56.8 | 13.2 | 0.94 | 920 | 0.98 | 0.09 | 48.7 | 32.8 | 1300 |
| R613848 | | 1.62 | 23.5 | 0.20 | 4.1 | 0.065 | 3.71 | 53.2 | 16.3 | 1.87 | 666 | 0.69 | 0.07 | 61.7 | 20.7 | 2090 |
| R613849 | | 2.53 | 11.65 | 0.17 | 1.5 | 0.040 | 2.08 | 40.9 | 7.1 | 2.21 | 1080 | 0.55 | 0.05 | 26.3 | 21.7 | 1420 |
| R613850 | | 2.41 | 22.4 | 0.22 | 2.9 | 0.064 | 3.69 | 61.0 | 13.7 | 2.39 | 890 | 0.51 | 0.07 | 43.9 | 23.2 | 1920 |
| R613851 | | 3.96 | 18.85 | 0.20 | 2.2 | 0.056 | 3.16 | 62.4 | 12.2 | 1.33 | 796 | 0.58 | 0.06 | 36.8 | 23.8 | 1480 |
| R613852 | | 30.3 | 3.08 | 0.19 | 0.4 | 0.010 | 0.48 | 21.2 | 1.8 | 0.10 | 238 | 1.16 | 0.01 | 2.5 | 84.1 | 410 |
| R613853 | | 0.18 | 1.08 | 0.10 | 0.2 | <0.005 | 0.07 | 1.3 | 1.2 | 1.74 | 114 | 0.09 | 0.18 | 1.4 | 0.2 | 70 |
| R613854 | | 4.81 | 16.30 | 0.16 | 2.2 | 0.065 | 2.70 | 76.7 | 10.3 | 4.05 | 1800 | 0.47 | 0.06 | 29.4 | 26.4 | 1480 |
| R613855 | | 10.85 | 15.60 | 0.14 | 1.0 | 1.330 | 1.93 | 16.3 | 10.7 | 1.29 | 1070 | 32.9 | 1.76 | 3.6 | 17.1 | 1150 |
| R613856 | | 4.72 | 23.4 | 0.16 | 3.4 | 0.069 | 4.03 | 46.8 | 12.2 | 1.06 | 436 | 0.84 | 0.08 | 48.6 | 41.5 | 1840 |
| R613857 | | 2.84 | 24.1 | 0.21 | 3.9 | 0.077 | 4.08 | 80.3 | 13.9 | 1.46 | 478 | 1.35 | 0.07 | 46.2 | 43.7 | 2020 |
| R613858 | | 2.36 | 21.0 | 0.20 | 3.5 | 0.062 | 3.54 | 57.2 | 11.2 | 2.22 | 867 | 1.18 | 0.06 | 49.1 | 30.9 | 1780 |
| R613859 | | 2.06 | 22.3 | 0.24 | 4.5 | 0.076 | 3.84 | 74.4 | 12.8 | 2.09 | 849 | 1.86 | 0.07 | 57.5 | 24.8 | 2140 |
| R613860 | | 2.53 | 6.07 | 0.13 | 0.9 | 0.023 | 1.03 | 31.6 | 3.6 | 0.63 | 396 | 0.57 | 0.02 | 13.1 | 41.3 | 510 |
| R613861 | | 3.31 | 19.20 | 0.20 | 3.0 | 0.065 | 3.24 | 63.1 | 11.2 | 1.93 | 985 | 1.70 | 0.06 | 44.3 | 62.3 | 1830 |
| R613862 | | 3.09 | 18.85 | 0.19 | 3.1 | 0.069 | 3.35 | 58.3 | 10.2 | 2.02 | 1020 | 1.21 | 0.06 | 43.4 | 33.6 | 1790 |
| R613863 | | 3.09 | 21.4 | 0.21 | 3.6 | 0.071 | 3.69 | 66.8 | 12.9 | 2.12 | 947 | 1.38 | 0.06 | 52.7 | 29.8 | 1870 |
| R613864 | | 3.45 | 20.3 | 0.21 | 3.2 | 0.067 | 3.62 | 64.8 | 14.3 | 2.22 | 983 | 1.36 | 0.05 | 47.7 | 27.9 | 1800 |
| R613865 | | 3.68 | 20.4 | 0.19 | 3.0 | 0.074 | 3.58 | 64.7 | 15.7 | 2.05 | 1040 | 1.12 | 0.05 | 46.6 | 36.4 | 1560 |
| R613866 | | 5.88 | 18.95 | 0.18 | 2.0 | 0.069 | 3.60 | 61.1 | 17.8 | 2.75 | 1690 | 0.66 | 0.05 | 43.8 | 58.7 | 1600 |
| R613867 | | 6.57 | 18.75 | 0.17 | 1.4 | 0.062 | 3.50 | 56.2 | 16.8 | 2.44 | 2190 | 0.71 | 0.05 | 32.8 | 51.2 | 1870 |
| R613868 | | 5.59 | 20.8 | 0.19 | 2.5 | 0.071 | 3.63 | 61.4 | 17.5 | 2.00 | 1200 | 1.14 | 0.06 | 35.7 | 52.7 | 2070 |
| R613869 | | 4.40 | 21.7 | 0.19 | 3.1 | 0.069 | 3.95 | 60.6 | 18.3 | 1.94 | 717 | 0.83 | 0.06 | 42.2 | 27.9 | 1810 |
| R613870 | | 4.33 | 22.9 | 0.21 | 4.1 | 0.079 | 4.29 | 65.1 | 19.4 | 2.02 | 661 | 0.77 | 0.06 | 49.6 | 34.9 | 2040 |
| R613871 | | 4.56 | 23.0 | 0.21 | 4.2 | 0.075 | 4.33 | 66.9 | 19.7 | 2.03 | 676 | 0.90 | 0.06 | 48.6 | 35.1 | 2100 |
| R613872 | | 3.79 | 23.6 | 0.22 | 4.2 | 0.072 | 4.26 | 66.2 | 20.0 | 2.08 | 696 | 0.87 | 0.07 | 51.4 | 18.9 | 2050 |
| R613873 | | 4.11 | 21.5 | 0.21 | 2.9 | 0.069 | 3.62 | 64.4 | 17.0 | 1.92 | 966 | 1.22 | 0.06 | 48.5 | 38.2 | 1740 |
| R613874 | | 2.42 | 14.55 | 0.14 | 1.9 | 0.037 | 1.42 | 14.4 | 2.6 | 0.54 | 703 | 7.06 | 3.20 | 5.8 | 8.5 | 480 |
| R613875 | | 2.33 | 18.75 | 0.22 | 2.7 | 0.057 | 3.13 | 60.6 | 12.5 | 1.92 | 969 | 1.21 | 0.05 | 47.7 | 27.9 | 1540 |
| R613876 | | 2.85 | 13.65 | 0.17 | 1.6 | 0.047 | 2.22 | 39.9 | 10.5 | 1.82 | 1040 | 0.92 | 0.04 | 26.4 | 30.4 | 990 |
| R613877 | | 1.65 | 24.9 | 0.24 | 3.4 | 0.068 | 3.89 | 71.8 | 20.6 | 2.05 | 878 | 0.81 | 0.08 | 65.0 | 21.3 | 2120 |
| R613878 | | 4.29 | 22.6 | 0.19 | 3.3 | 0.046 | 3.28 | 70.4 | 16.4 | 1.47 | 696 | 1.90 | 0.09 | 53.4 | 42.3 | 1930 |
| R613879 | | 4.12 | 20.3 | 0.20 | 2.7 | 0.049 | 3.00 | 66.2 | 14.5 | 1.46 | 661 | 1.51 | 0.08 | 45.4 | 32.8 | 1800 |
| R613880 | | 5.54 | 18.95 | 0.18 | 3.2 | 0.045 | 3.03 | 46.8 | 13.2 | 1.60 | 1040 | 1.79 | 0.05 | 44.6 | 49.8 | 1940 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218099

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613841 | | 6.5 | 77.8 | 0.002 | 0.26 | 9.24 | 10.9 | 3 | 19.8 | 35.6 | 0.81 | 0.48 | 12.30 | 0.261 | 0.35 | 5.8 |
| R613842 | | 3.4 | 205 | 0.002 | 0.22 | 2.73 | 21.5 | 2 | 52.2 | 26.1 | 3.49 | 0.21 | 23.1 | 0.962 | 0.86 | 4.2 |
| R613843 | | 6.5 | 155.5 | 0.002 | 0.02 | 5.52 | 16.9 | 1 | 43.0 | 22.8 | 2.62 | 0.17 | 22.2 | 0.723 | 0.69 | 5.2 |
| R613844 | | 1.7 | 144.5 | 0.005 | 0.57 | 1.13 | 14.8 | 1 | 22.4 | 49.7 | 2.13 | 0.10 | 13.90 | 0.631 | 0.60 | 2.7 |
| R613845 | | 2.2 | 120.5 | 0.005 | 0.42 | 0.86 | 12.1 | 1 | 17.3 | 57.4 | 1.94 | <0.05 | 12.50 | 0.601 | 0.54 | 2.5 |
| R613846 | | 1.6 | 132.5 | 0.012 | 0.56 | 0.63 | 12.7 | 1 | 20.5 | 67.8 | 2.13 | 0.05 | 13.75 | 0.620 | 0.55 | 3.4 |
| R613847 | | 2.4 | 139.5 | 0.005 | 0.13 | 2.70 | 13.8 | 4 | 27.2 | 37.7 | 2.55 | 0.17 | 16.70 | 0.732 | 0.62 | 3.9 |
| R613848 | | 2.0 | 148.0 | 0.004 | 0.13 | 0.63 | 14.8 | 1 | 25.1 | 54.9 | 3.12 | <0.05 | 16.35 | 0.842 | 0.71 | 3.7 |
| R613849 | | 2.2 | 86.1 | 0.003 | 0.43 | 0.98 | 7.6 | 1 | 12.3 | 62.1 | 1.44 | <0.05 | 7.88 | 0.392 | 0.39 | 1.6 |
| R613850 | | 2.1 | 155.5 | 0.003 | 0.44 | 0.72 | 14.1 | 1 | 22.8 | 71.2 | 2.41 | <0.05 | 15.80 | 0.743 | 0.70 | 2.5 |
| R613851 | | 4.2 | 132.5 | 0.003 | 2.16 | 1.22 | 12.2 | 3 | 17.2 | 43.0 | 1.90 | 0.17 | 8.20 | 0.622 | 0.61 | 2.2 |
| R613852 | | 4.3 | 20.4 | 0.002 | >10.0 | 3.54 | 1.7 | 19 | 3.2 | 6.1 | 0.13 | 0.27 | 4.91 | 0.047 | 0.25 | 0.8 |
| R613853 | | 0.7 | 2.0 | <0.002 | 0.04 | 0.09 | 0.2 | 1 | <0.2 | 82.9 | 0.15 | <0.05 | 0.28 | 0.005 | <0.02 | 0.7 |
| R613854 | | 2.5 | 115.5 | 0.007 | 1.42 | 0.54 | 13.1 | 2 | 18.8 | 95.8 | 1.57 | 0.05 | 12.20 | 0.483 | 0.51 | 2.6 |
| R613855 | | 852 | 58.9 | 0.026 | 7.83 | 63.9 | 9.4 | 22 | 4.4 | 489 | 0.21 | 0.68 | 3.81 | 0.244 | 4.40 | 2.0 |
| R613856 | | 4.1 | 168.5 | 0.004 | 2.65 | 1.26 | 14.6 | 2 | 19.7 | 46.2 | 2.53 | 0.09 | 15.85 | 0.776 | 0.74 | 3.6 |
| R613857 | | 2.5 | 168.0 | 0.003 | 1.27 | 0.98 | 15.9 | 1 | 21.8 | 52.2 | 2.47 | <0.05 | 17.65 | 0.755 | 0.77 | 3.9 |
| R613858 | | 2.0 | 150.0 | 0.010 | 0.63 | 1.01 | 13.6 | 1 | 19.2 | 64.9 | 2.57 | <0.05 | 14.45 | 0.721 | 0.64 | 3.6 |
| R613859 | | 1.4 | 165.0 | 0.006 | 0.27 | 0.55 | 14.8 | 1 | 21.8 | 71.9 | 3.15 | <0.05 | 16.15 | 0.870 | 0.69 | 4.4 |
| R613860 | | 2.1 | 44.0 | 0.003 | 1.50 | 0.98 | 4.3 | 5 | 5.6 | 21.0 | 0.65 | 0.07 | 4.47 | 0.193 | 0.24 | 1.2 |
| R613861 | | 2.9 | 143.0 | 0.012 | 1.05 | 1.03 | 13.1 | 1 | 17.7 | 77.2 | 2.30 | 0.05 | 13.45 | 0.673 | 0.61 | 4.2 |
| R613862 | | 1.9 | 137.0 | 0.005 | 0.44 | 0.78 | 12.8 | 1 | 17.2 | 82.1 | 2.44 | <0.05 | 12.95 | 0.739 | 0.63 | 3.2 |
| R613863 | | 1.7 | 161.0 | 0.007 | 0.42 | 0.80 | 14.9 | 1 | 18.1 | 73.9 | 2.77 | <0.05 | 14.45 | 0.801 | 0.82 | 3.8 |
| R613864 | | 1.9 | 166.0 | 0.005 | 0.41 | 0.83 | 14.0 | 1 | 17.3 | 74.2 | 2.58 | <0.05 | 13.95 | 0.699 | 0.91 | 3.5 |
| R613865 | | 2.0 | 165.5 | 0.003 | 0.21 | 0.98 | 13.2 | 1 | 14.9 | 71.1 | 2.44 | <0.05 | 14.70 | 0.620 | 0.92 | 3.2 |
| R613866 | | 1.8 | 161.5 | 0.008 | 0.34 | 1.55 | 12.3 | 1 | 12.9 | 81.1 | 2.28 | <0.05 | 14.00 | 0.605 | 1.07 | 3.7 |
| R613867 | | 2.2 | 160.0 | 0.009 | 0.12 | 1.95 | 13.0 | 1 | 13.9 | 81.4 | 1.65 | <0.05 | 12.45 | 0.549 | 0.96 | 4.5 |
| R613868 | | 2.3 | 158.0 | 0.005 | 0.65 | 1.49 | 13.1 | 1 | 15.2 | 56.3 | 1.91 | <0.05 | 13.65 | 0.609 | 1.03 | 3.7 |
| R613869 | | 1.1 | 180.5 | 0.005 | 0.16 | 0.53 | 14.0 | 1 | 15.3 | 45.4 | 2.26 | <0.05 | 14.90 | 0.662 | 1.22 | 3.6 |
| R613870 | | 2.1 | 192.0 | 0.003 | 0.15 | 0.52 | 15.3 | <1 | 15.5 | 50.2 | 2.50 | <0.05 | 15.20 | 0.754 | 1.22 | 3.7 |
| R613871 | | 1.5 | 189.5 | 0.003 | 0.15 | 0.51 | 15.1 | <1 | 15.5 | 49.4 | 2.55 | <0.05 | 15.95 | 0.768 | 1.26 | 3.9 |
| R613872 | | 1.9 | 184.0 | 0.004 | 0.31 | 0.65 | 15.8 | 1 | 17.5 | 51.6 | 2.76 | <0.05 | 15.15 | 0.747 | 1.14 | 3.4 |
| R613873 | | 1.6 | 165.0 | 0.005 | 0.63 | 0.86 | 13.8 | 1 | 17.8 | 56.6 | 2.59 | <0.05 | 13.75 | 0.616 | 0.92 | 2.6 |
| R613874 | | 1420 | 30.3 | 0.009 | 0.48 | 105.5 | 6.5 | 3 | 1.8 | 204 | 0.41 | 0.05 | 2.82 | 0.189 | 0.33 | 1.7 |
| R613875 | | 2.3 | 128.0 | 0.006 | 0.42 | 0.97 | 11.6 | 1 | 19.9 | 63.1 | 2.56 | <0.05 | 12.75 | 0.639 | 0.55 | 2.4 |
| R613876 | | 1.7 | 93.3 | 0.010 | 0.84 | 0.61 | 8.5 | 1 | 15.0 | 47.6 | 1.44 | <0.05 | 8.49 | 0.369 | 0.39 | 1.8 |
| R613877 | | 1.5 | 145.0 | 0.003 | 0.26 | 0.51 | 14.9 | 1 | 32.0 | 57.0 | 3.41 | <0.05 | 14.65 | 0.830 | 0.65 | 2.9 |
| R613878 | | 2.1 | 131.5 | 0.009 | 2.10 | 0.81 | 14.2 | 1 | 29.3 | 41.9 | 2.80 | <0.05 | 15.25 | 0.697 | 0.75 | 3.8 |
| R613879 | | 2.0 | 121.0 | 0.009 | 2.16 | 0.75 | 12.9 | 1 | 24.8 | 38.4 | 2.45 | <0.05 | 13.35 | 0.616 | 0.54 | 3.2 |
| R613880 | | 2.1 | 120.0 | 0.006 | 3.61 | 1.33 | 11.9 | 2 | 24.3 | 41.9 | 2.43 | 0.06 | 12.15 | 0.553 | 0.54 | 3.6 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218099

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613841 | | 87 | 4.3 | 8.6 | 10 | 82.4 |
| R613842 | | 206 | 11.3 | 16.7 | 5 | 165.0 |
| R613843 | | 143 | 11.4 | 22.5 | 5 | 119.5 |
| R613844 | | 116 | 5.5 | 20.3 | 9 | 109.5 |
| R613845 | | 102 | 4.4 | 20.7 | 12 | 80.4 |
| R613846 | | 102 | 4.6 | 20.1 | 11 | 89.5 |
| R613847 | | 134 | 8.0 | 15.5 | 9 | 157.5 |
| R613848 | | 132 | 6.0 | 20.7 | 9 | 167.5 |
| R613849 | | 62 | 3.3 | 13.6 | 24 | 57.1 |
| R613850 | | 135 | 6.3 | 19.4 | 10 | 115.0 |
| R613851 | | 122 | 4.2 | 14.3 | 11 | 89.8 |
| R613852 | | 18 | 0.7 | 3.5 | 5 | 16.4 |
| R613853 | | 1 | <0.1 | 4.0 | 4 | 3.5 |
| R613854 | | 99 | 3.8 | 21.4 | 12 | 90.4 |
| R613855 | | 139 | 7.1 | 11.5 | 2240 | 30.8 |
| R613856 | | 149 | 4.8 | 17.3 | 10 | 141.5 |
| R613857 | | 155 | 5.5 | 19.2 | 12 | 153.0 |
| R613858 | | 126 | 4.8 | 21.2 | 13 | 143.5 |
| R613859 | | 151 | 5.6 | 22.5 | 13 | 180.0 |
| R613860 | | 35 | 2.0 | 7.7 | 8 | 38.7 |
| R613861 | | 125 | 4.4 | 18.2 | 15 | 126.5 |
| R613862 | | 131 | 4.5 | 15.0 | 19 | 125.5 |
| R613863 | | 136 | 4.6 | 17.8 | 22 | 147.5 |
| R613864 | | 131 | 4.1 | 16.2 | 24 | 131.5 |
| R613865 | | 123 | 3.2 | 15.7 | 27 | 149.5 |
| R613866 | | 114 | 2.7 | 15.0 | 41 | 84.7 |
| R613867 | | 97 | 2.8 | 15.9 | 51 | 67.4 |
| R613868 | | 132 | 3.2 | 15.8 | 48 | 96.2 |
| R613869 | | 132 | 3.1 | 17.1 | 31 | 120.0 |
| R613870 | | 139 | 3.3 | 18.5 | 32 | 158.5 |
| R613871 | | 139 | 3.3 | 19.1 | 32 | 171.0 |
| R613872 | | 147 | 3.6 | 16.3 | 25 | 175.0 |
| R613873 | | 129 | 3.8 | 14.4 | 18 | 114.0 |
| R613874 | | 50 | 11.9 | 16.5 | 2610 | 59.0 |
| R613875 | | 118 | 4.7 | 13.9 | 15 | 112.0 |
| R613876 | | 82 | 3.5 | 11.1 | 12 | 65.4 |
| R613877 | | 150 | 6.9 | 17.7 | 11 | 141.5 |
| R613878 | | 133 | 6.6 | 16.9 | 13 | 135.0 |
| R613879 | | 120 | 5.8 | 14.7 | 11 | 103.0 |
| R613880 | | 134 | 5.6 | 14.6 | 14 | 129.0 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218099

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

REEs may not be totally soluble in this method.

Applies to Method: ME-MS61

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | |
|---|---|---|---|
| Au-AA26 | ME-MS61 | | |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218136

Project: Rau

P.O. No.: R20-D34

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218136

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233601 | | 1.76 | 0.03 | 0.07 | 3.88 | 51.8 | 210 | 1.08 | 1.31 | 4.81 | 0.42 | 66.3 | 16.7 | 58 | 2.19 | 74.4 |
| W233602 | | 0.60 | 0.04 | 0.04 | 4.61 | 23.0 | 880 | 1.33 | 0.93 | 4.21 | 0.07 | 63.1 | 9.7 | 59 | 2.60 | 58.7 |
| W233603 | | 2.24 | 0.01 | 0.06 | 4.36 | 41.7 | 750 | 1.32 | 0.93 | 4.14 | 0.14 | 60.2 | 11.8 | 56 | 2.54 | 114.0 |
| W233604 | | 0.16 | 0.64 | 1.32 | 7.14 | 25.7 | 850 | 0.99 | 0.21 | 1.84 | 1.08 | 23.2 | 4.9 | 13 | 0.32 | 45.4 |
| W233605 | | 5.28 | 0.02 | 0.06 | 4.32 | 116.0 | 210 | 1.25 | 1.19 | 3.69 | 0.06 | 52.5 | 18.4 | 55 | 2.52 | 77.1 |
| W233606 | | 5.65 | <0.01 | 0.05 | 4.62 | 38.3 | 930 | 1.40 | 0.61 | 3.90 | 0.08 | 62.8 | 12.1 | 59 | 2.77 | 52.3 |
| W233607 | | 4.28 | 0.01 | 0.06 | 4.27 | 234 | 290 | 1.37 | 0.79 | 2.98 | 0.07 | 63.6 | 23.3 | 56 | 2.81 | 83.1 |
| W233608 | | 4.00 | <0.01 | 0.04 | 4.73 | 38.9 | 460 | 1.39 | 0.57 | 3.53 | 0.07 | 65.8 | 11.8 | 66 | 2.94 | 60.4 |
| W233609 | | <0.02 | 0.01 | 0.04 | 4.63 | 53.7 | 330 | 1.40 | 0.60 | 3.48 | 0.07 | 64.8 | 13.6 | 64 | 2.96 | 63.7 |
| W233610 | | 2.56 | 0.01 | 0.06 | 4.04 | 56.1 | 440 | 1.17 | 0.68 | 3.56 | 0.07 | 56.9 | 12.8 | 56 | 2.44 | 68.5 |
| W233611 | | 5.47 | 0.01 | 0.06 | 4.58 | 83.9 | 500 | 1.37 | 0.93 | 3.18 | 0.08 | 62.7 | 15.3 | 61 | 2.67 | 83.9 |
| W233612 | | 2.83 | 0.01 | 0.06 | 4.36 | 40.2 | 560 | 1.23 | 1.25 | 3.39 | 0.28 | 61.7 | 12.5 | 63 | 2.59 | 55.3 |
| W233613 | | 3.08 | 0.03 | 0.30 | 4.76 | 40.5 | 330 | 1.42 | 3.15 | 3.07 | 0.11 | 67.4 | 14.2 | 66 | 3.02 | 37.4 |
| W233614 | | 1.85 | 0.06 | 0.08 | 4.51 | 42.2 | 280 | 1.36 | 4.13 | 3.47 | 0.16 | 65.8 | 16.1 | 63 | 2.74 | 31.7 |
| W233615 | | 2.68 | 0.04 | 0.06 | 4.65 | 37.5 | 700 | 1.46 | 3.84 | 3.87 | 0.08 | 69.4 | 13.7 | 67 | 2.84 | 26.3 |
| W233616 | | 1.33 | 0.05 | 0.05 | 4.82 | 62.9 | 680 | 1.33 | 3.72 | 3.86 | 0.09 | 61.0 | 14.9 | 70 | 2.69 | 23.6 |
| W233617 | | 1.23 | 0.04 | 0.06 | 4.71 | 82.9 | 500 | 1.30 | 3.84 | 4.00 | 0.06 | 62.3 | 16.5 | 70 | 2.63 | 24.1 |
| W233618 | | 1.76 | 0.02 | 0.06 | 5.04 | 46.2 | 660 | 1.39 | 2.59 | 4.46 | 0.14 | 64.3 | 12.6 | 74 | 2.90 | 24.4 |
| W233619 | | 7.66 | 0.05 | 0.06 | 4.97 | 76.0 | 360 | 1.44 | 3.30 | 4.02 | 0.06 | 69.1 | 15.7 | 76 | 2.65 | 27.6 |
| W233620 | | 6.22 | 0.05 | 0.07 | 5.68 | 55.2 | 550 | 1.46 | 5.20 | 3.50 | 0.03 | 74.7 | 17.8 | 87 | 2.97 | 28.2 |
| W233621 | | 1.44 | 0.14 | 0.10 | 5.12 | 79.6 | 250 | 1.37 | 6.44 | 3.69 | 0.06 | 67.9 | 17.6 | 88 | 2.76 | 32.6 |
| W233622 | | 4.17 | 0.07 | 0.08 | 5.60 | 67.3 | 220 | 1.55 | 4.11 | 4.58 | 0.07 | 73.2 | 16.9 | 99 | 3.12 | 31.6 |
| W233623 | | 5.10 | 0.04 | 0.11 | 5.78 | 70.9 | 450 | 1.71 | 2.36 | 4.39 | 0.05 | 78.4 | 13.7 | 100 | 3.35 | 33.0 |
| W233624 | | 5.88 | 0.12 | 0.08 | 5.72 | 77.3 | 910 | 1.75 | 1.95 | 3.95 | 0.03 | 78.6 | 14.5 | 84 | 3.38 | 26.6 |
| W233625 | | 5.38 | <0.01 | 0.02 | 6.62 | 94.5 | 1980 | 1.96 | 0.52 | 4.58 | 0.03 | 102.5 | 6.0 | 56 | 3.34 | 12.0 |
| W233626 | | 2.57 | 0.04 | 0.01 | 6.68 | 175.5 | 1950 | 1.97 | 0.64 | 4.23 | 0.02 | 108.0 | 7.7 | 56 | 3.46 | 9.1 |
| W233627 | | 0.16 | 1.56 | 68.6 | 7.07 | 30.0 | 4360 | 0.96 | 0.13 | 1.90 | 15.50 | 25.0 | 5.1 | 17 | 0.39 | 217 |
| W233628 | | 2.44 | 0.02 | <0.01 | 6.78 | 840 | 1770 | 1.98 | 0.73 | 2.79 | 0.02 | 125.0 | 11.3 | 58 | 3.38 | 12.0 |
| W233629 | | 1.38 | 1.01 | 0.23 | 4.30 | 6010 | 210 | 0.75 | 6.04 | 0.46 | 0.02 | 114.0 | 54.2 | 36 | 0.83 | 77.3 |
| W233630 | | 1.84 | 1.00 | 0.36 | 2.98 | >10000 | 90 | 0.43 | 8.08 | 0.32 | 0.02 | 70.7 | 107.0 | 29 | 0.31 | 316 |
| W233631 | | 0.74 | 0.30 | 0.34 | 0.01 | 4360 | <10 | <0.05 | 2.89 | 0.10 | <0.02 | 0.47 | 83.4 | 4 | <0.05 | 455 |
| W233632 | | 2.04 | <0.01 | <0.01 | 0.15 | 23.8 | 20 | 0.10 | 1.35 | 34.2 | <0.02 | 0.99 | 0.9 | 1 | <0.05 | 3.7 |
| W233633 | | 2.05 | 0.08 | 0.10 | 3.75 | 5360 | 360 | 1.02 | 1.12 | 0.77 | 0.03 | 63.3 | 19.5 | 38 | 1.67 | 36.7 |
| W233634 | | 3.12 | 0.04 | 0.05 | 7.53 | 572 | 1830 | 2.18 | 1.77 | 1.76 | <0.02 | 138.5 | 9.0 | 71 | 3.39 | 16.7 |
| W233635 | | 1.78 | 0.05 | 0.35 | 3.29 | 887 | 560 | 0.87 | 2.90 | 1.02 | <0.02 | 56.0 | 11.2 | 36 | 1.17 | 16.8 |
| W233636 | | 2.19 | 0.09 | 0.15 | 6.33 | 533 | 440 | 2.02 | 4.41 | 0.69 | 0.04 | 120.0 | 7.6 | 61 | 2.79 | 33.5 |
| W233637 | | 2.59 | 0.10 | 0.09 | 6.65 | 297 | 1830 | 2.32 | 1.93 | 1.41 | 0.07 | 114.5 | 4.6 | 59 | 3.57 | 9.8 |
| W233638 | | 1.98 | 0.02 | 0.04 | 7.66 | 84.6 | 2160 | 2.72 | 1.21 | 0.74 | <0.02 | 156.0 | 3.6 | 60 | 4.30 | 4.2 |
| W233639 | | 1.43 | 0.35 | 0.35 | 6.29 | 360 | 390 | 2.24 | 4.15 | 2.11 | 0.09 | 97.1 | 10.3 | 46 | 3.66 | 3.9 |
| W233640 | | 2.55 | 0.10 | 0.06 | 6.17 | 563 | 1540 | 2.12 | 1.27 | 2.87 | 0.06 | 120.5 | 10.3 | 60 | 3.35 | 6.5 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218136

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233601 | | 4.44 | 10.70 | 0.16 | 2.2 | 0.046 | 1.84 | 37.3 | 6.8 | 2.27 | 811 | 6.87 | 0.06 | 23.4 | 46.7 | 1310 |
| W233602 | | 3.19 | 12.45 | 0.16 | 2.8 | 0.051 | 2.18 | 36.3 | 7.7 | 2.00 | 669 | 4.80 | 0.07 | 23.3 | 32.0 | 1340 |
| W233603 | | 3.04 | 12.20 | 0.17 | 2.5 | 0.051 | 2.06 | 33.6 | 8.0 | 2.00 | 632 | 3.69 | 0.06 | 21.7 | 32.3 | 1210 |
| W233604 | | 2.40 | 13.20 | 0.13 | 1.9 | 0.055 | 1.50 | 12.6 | 2.0 | 0.58 | 743 | 4.71 | 3.34 | 5.7 | 5.4 | 450 |
| W233605 | | 4.20 | 11.50 | 0.15 | 2.5 | 0.046 | 2.06 | 28.3 | 8.0 | 1.82 | 593 | 5.44 | 0.06 | 22.0 | 44.9 | 1190 |
| W233606 | | 3.14 | 12.75 | 0.17 | 2.7 | 0.048 | 2.17 | 34.5 | 8.8 | 1.91 | 565 | 4.19 | 0.07 | 22.8 | 33.2 | 1340 |
| W233607 | | 3.83 | 12.20 | 0.18 | 2.6 | 0.043 | 2.02 | 34.8 | 8.6 | 1.50 | 499 | 6.94 | 0.07 | 24.0 | 43.5 | 1530 |
| W233608 | | 3.26 | 12.70 | 0.17 | 2.7 | 0.042 | 2.23 | 36.7 | 9.3 | 1.77 | 503 | 7.40 | 0.08 | 26.5 | 37.9 | 1660 |
| W233609 | | 3.37 | 12.65 | 0.16 | 2.6 | 0.041 | 2.18 | 35.8 | 9.4 | 1.74 | 497 | 6.60 | 0.07 | 24.9 | 40.9 | 1710 |
| W233610 | | 3.04 | 11.05 | 0.16 | 2.3 | 0.038 | 1.85 | 31.8 | 7.8 | 1.74 | 546 | 4.19 | 0.07 | 19.9 | 33.5 | 1220 |
| W233611 | | 3.33 | 12.25 | 0.16 | 3.0 | 0.038 | 2.08 | 34.1 | 8.5 | 1.57 | 484 | 7.03 | 0.08 | 25.9 | 40.2 | 1430 |
| W233612 | | 3.15 | 11.95 | 0.17 | 2.5 | 0.043 | 1.97 | 33.9 | 7.6 | 1.58 | 492 | 5.90 | 0.07 | 25.8 | 36.3 | 1480 |
| W233613 | | 3.34 | 12.95 | 0.17 | 2.9 | 0.045 | 2.18 | 37.1 | 9.0 | 1.47 | 517 | 8.31 | 0.07 | 27.9 | 43.0 | 1610 |
| W233614 | | 3.49 | 12.50 | 0.19 | 2.6 | 0.043 | 2.13 | 36.7 | 8.5 | 1.51 | 498 | 6.76 | 0.07 | 27.5 | 40.7 | 2080 |
| W233615 | | 3.01 | 12.90 | 0.18 | 3.0 | 0.045 | 2.19 | 38.0 | 8.9 | 1.76 | 540 | 7.60 | 0.07 | 28.9 | 36.6 | 1530 |
| W233616 | | 3.21 | 12.90 | 0.19 | 2.7 | 0.045 | 2.25 | 33.1 | 8.3 | 1.73 | 546 | 7.54 | 0.07 | 25.3 | 36.7 | 1330 |
| W233617 | | 3.29 | 12.65 | 0.17 | 2.6 | 0.042 | 2.20 | 34.0 | 8.0 | 1.80 | 569 | 7.59 | 0.07 | 25.2 | 36.9 | 1430 |
| W233618 | | 3.23 | 13.55 | 0.18 | 2.9 | 0.049 | 2.37 | 35.7 | 8.8 | 2.00 | 693 | 5.66 | 0.08 | 28.6 | 29.7 | 1540 |
| W233619 | | 3.61 | 12.95 | 0.18 | 2.8 | 0.049 | 2.30 | 38.8 | 8.0 | 1.71 | 569 | 7.07 | 0.08 | 30.6 | 45.3 | 1940 |
| W233620 | | 3.46 | 14.40 | 0.20 | 3.1 | 0.054 | 2.65 | 40.8 | 8.8 | 1.52 | 574 | 7.93 | 0.08 | 37.1 | 46.6 | 2220 |
| W233621 | | 4.05 | 12.80 | 0.19 | 2.7 | 0.043 | 2.39 | 37.6 | 8.3 | 1.55 | 558 | 10.90 | 0.07 | 31.6 | 65.3 | 2900 |
| W233622 | | 4.84 | 14.45 | 0.20 | 2.8 | 0.057 | 2.66 | 38.8 | 9.1 | 1.95 | 873 | 6.79 | 0.07 | 32.5 | 56.3 | 2090 |
| W233623 | | 4.35 | 15.20 | 0.19 | 2.9 | 0.067 | 2.75 | 42.1 | 9.6 | 1.98 | 944 | 6.30 | 0.07 | 30.6 | 51.7 | 2210 |
| W233624 | | 3.86 | 15.35 | 0.20 | 2.9 | 0.064 | 2.79 | 42.5 | 10.2 | 1.84 | 757 | 6.17 | 0.06 | 29.5 | 41.5 | 1850 |
| W233625 | | 2.57 | 18.85 | 0.25 | 2.8 | 0.064 | 3.12 | 57.3 | 11.1 | 2.18 | 859 | 0.91 | 0.08 | 41.6 | 25.9 | 1980 |
| W233626 | | 2.16 | 19.85 | 0.26 | 2.6 | 0.063 | 3.13 | 60.1 | 12.1 | 2.20 | 837 | 0.45 | 0.09 | 43.9 | 20.6 | 1630 |
| W233627 | | 2.55 | 13.90 | 0.16 | 1.8 | 0.039 | 1.48 | 14.1 | 2.4 | 0.56 | 736 | 7.18 | 3.27 | 5.7 | 8.3 | 510 |
| W233628 | | 2.60 | 20.7 | 0.17 | 2.7 | 0.063 | 2.91 | 67.1 | 11.9 | 1.66 | 581 | 0.76 | 0.13 | 51.7 | 19.8 | 1810 |
| W233629 | | 8.54 | 13.30 | 0.16 | 1.7 | 0.026 | 0.76 | 61.1 | 5.3 | 1.00 | 230 | 0.92 | 0.26 | 30.8 | 29.8 | 1600 |
| W233630 | | 24.4 | 9.64 | 0.16 | 1.5 | 0.026 | 0.30 | 37.2 | 3.3 | 0.77 | 99 | 1.43 | 0.22 | 14.2 | 88.8 | 1180 |
| W233631 | | 36.3 | 0.12 | 0.11 | <0.1 | 0.016 | <0.01 | <0.5 | 0.3 | 0.09 | 137 | 0.18 | <0.01 | 0.1 | 104.0 | 20 |
| W233632 | | 0.16 | 0.52 | <0.05 | 0.1 | 0.007 | 0.03 | 1.1 | 1.2 | 1.48 | 94 | 0.07 | 0.09 | 0.4 | 0.4 | 70 |
| W233633 | | 6.57 | 11.90 | 0.10 | 1.2 | 0.049 | 1.60 | 34.3 | 4.9 | 0.67 | 833 | 0.45 | 0.07 | 20.5 | 21.7 | 1170 |
| W233634 | | 3.14 | 24.6 | 0.17 | 4.1 | 0.072 | 3.17 | 75.3 | 9.8 | 1.36 | 753 | 3.09 | 0.15 | 57.2 | 25.1 | 1960 |
| W233635 | | 3.30 | 10.60 | 0.09 | 1.3 | 0.041 | 1.28 | 30.0 | 3.8 | 0.56 | 582 | 0.54 | 0.07 | 21.5 | 22.2 | 1120 |
| W233636 | | 4.29 | 20.8 | 0.14 | 2.6 | 0.089 | 2.59 | 64.1 | 8.9 | 0.88 | 462 | 1.21 | 0.11 | 51.3 | 42.5 | 1560 |
| W233637 | | 2.21 | 21.7 | 0.15 | 3.4 | 0.074 | 3.00 | 60.9 | 10.6 | 1.04 | 427 | 1.07 | 0.10 | 50.8 | 34.1 | 1880 |
| W233638 | | 1.26 | 25.6 | 0.20 | 4.3 | 0.067 | 3.51 | 81.8 | 13.2 | 0.87 | 123 | 2.84 | 0.11 | 67.5 | 29.1 | 2470 |
| W233639 | | 7.60 | 20.8 | 0.16 | 2.5 | 0.100 | 2.69 | 48.5 | 11.1 | 1.11 | 900 | 1.21 | 0.11 | 31.8 | 17.1 | 1310 |
| W233640 | | 1.91 | 20.5 | 0.16 | 3.5 | 0.074 | 2.69 | 64.1 | 10.1 | 1.60 | 641 | 3.46 | 0.11 | 51.8 | 40.2 | 3660 |

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

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Project: Rau


**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218136

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233601 | | 5.4 | 74.1 | 0.009 | 2.34 | 0.98 | 8.6 | 3 | 3.5 | 107.0 | 1.17 | 0.06 | 7.03 | 0.371 | 0.45 | 4.0 |
| W233602 | | 2.6 | 86.8 | 0.013 | 1.36 | 0.64 | 9.5 | 2 | 3.6 | 95.9 | 1.33 | <0.05 | 7.28 | 0.407 | 0.53 | 5.8 |
| W233603 | | 3.9 | 84.1 | 0.008 | 1.43 | 0.85 | 9.4 | 2 | 12.5 | 98.7 | 1.17 | 0.05 | 7.28 | 0.380 | 0.51 | 5.2 |
| W233604 | | 123.0 | 27.6 | <0.002 | 0.12 | 15.00 | 7.1 | <1 | 1.1 | 204 | 0.39 | <0.05 | 2.79 | 0.201 | 0.45 | 1.3 |
| W233605 | | 3.0 | 80.9 | 0.011 | 2.23 | 1.16 | 9.2 | 3 | 3.1 | 85.9 | 1.18 | 0.08 | 7.05 | 0.372 | 0.52 | 5.6 |
| W233606 | | 2.4 | 90.1 | 0.011 | 1.42 | 0.63 | 10.2 | 2 | 3.5 | 95.2 | 1.26 | 0.05 | 7.79 | 0.403 | 0.55 | 5.7 |
| W233607 | | 2.6 | 85.7 | 0.014 | 2.01 | 0.89 | 9.9 | 3 | 3.7 | 81.9 | 1.25 | 0.07 | 7.15 | 0.391 | 0.53 | 5.5 |
| W233608 | | 2.3 | 90.6 | 0.014 | 1.57 | 0.80 | 10.5 | 2 | 4.0 | 91.3 | 1.45 | <0.05 | 7.66 | 0.459 | 0.56 | 6.0 |
| W233609 | | 2.3 | 89.9 | 0.012 | 1.71 | 0.95 | 10.1 | 3 | 4.0 | 88.9 | 1.34 | <0.05 | 7.49 | 0.430 | 0.56 | 6.0 |
| W233610 | | 2.3 | 76.1 | 0.011 | 1.60 | 1.75 | 8.9 | 2 | 3.7 | 90.5 | 1.08 | <0.05 | 6.61 | 0.368 | 0.47 | 5.1 |
| W233611 | | 2.5 | 85.5 | 0.014 | 1.77 | 1.19 | 10.6 | 2 | 4.4 | 85.4 | 1.44 | <0.05 | 7.56 | 0.457 | 0.54 | 6.6 |
| W233612 | | 3.4 | 82.0 | 0.011 | 1.70 | 1.37 | 9.9 | 2 | 4.3 | 89.4 | 1.39 | <0.05 | 6.95 | 0.443 | 0.54 | 5.9 |
| W233613 | | 4.5 | 89.1 | 0.016 | 2.02 | 3.05 | 10.6 | 3 | 5.4 | 82.0 | 1.53 | 0.07 | 8.05 | 0.474 | 0.60 | 7.8 |
| W233614 | | 4.3 | 84.7 | 0.012 | 2.30 | 1.55 | 10.2 | 3 | 5.5 | 92.6 | 1.40 | 0.07 | 7.14 | 0.449 | 0.53 | 5.3 |
| W233615 | | 3.7 | 90.2 | 0.015 | 1.61 | 1.40 | 10.5 | 2 | 6.1 | 105.0 | 1.56 | 0.07 | 7.89 | 0.487 | 0.58 | 7.7 |
| W233616 | | 3.0 | 89.7 | 0.008 | 1.78 | 1.16 | 11.1 | 2 | 6.1 | 100.5 | 1.37 | 0.06 | 7.24 | 0.470 | 0.55 | 5.6 |
| W233617 | | 3.2 | 87.6 | 0.011 | 1.87 | 1.05 | 10.9 | 2 | 6.1 | 104.0 | 1.40 | 0.07 | 7.62 | 0.461 | 0.53 | 6.7 |
| W233618 | | 3.0 | 93.1 | 0.009 | 1.69 | 10.30 | 11.2 | 2 | 6.9 | 110.0 | 1.56 | <0.05 | 7.81 | 0.518 | 0.57 | 5.5 |
| W233619 | | 2.9 | 91.4 | 0.010 | 2.10 | 1.30 | 11.7 | 3 | 7.4 | 101.5 | 1.68 | 0.05 | 7.70 | 0.516 | 0.57 | 6.6 |
| W233620 | | 3.1 | 101.0 | 0.014 | 2.02 | 18.00 | 12.8 | 3 | 9.2 | 86.3 | 2.06 | 0.08 | 8.67 | 0.619 | 0.62 | 7.8 |
| W233621 | | 3.1 | 91.1 | 0.012 | 2.58 | 2.45 | 11.8 | 3 | 9.4 | 89.6 | 1.74 | 0.10 | 7.14 | 0.552 | 0.57 | 7.0 |
| W233622 | | 2.5 | 101.0 | 0.009 | 2.81 | 49.8 | 13.0 | 3 | 8.8 | 95.1 | 1.80 | 0.07 | 8.11 | 0.533 | 0.69 | 5.8 |
| W233623 | | 2.5 | 109.5 | 0.010 | 1.87 | 17.95 | 14.0 | 2 | 9.8 | 95.5 | 1.75 | 0.06 | 9.22 | 0.516 | 0.72 | 5.9 |
| W233624 | | 2.0 | 112.5 | 0.008 | 1.63 | 2.22 | 13.0 | 2 | 11.1 | 93.6 | 1.61 | 0.05 | 9.58 | 0.530 | 0.59 | 5.0 |
| W233625 | | 1.3 | 125.0 | 0.002 | 0.60 | 1.58 | 13.4 | 1 | 13.6 | 90.5 | 2.16 | <0.05 | 12.75 | 0.626 | 0.62 | 3.2 |
| W233626 | | 1.3 | 126.5 | <0.002 | 0.49 | 1.29 | 13.9 | 1 | 14.6 | 81.1 | 2.26 | <0.05 | 13.30 | 0.651 | 0.61 | 2.6 |
| W233627 | | 1505 | 29.5 | 0.010 | 0.49 | 109.5 | 7.0 | 3 | 1.7 | 209 | 0.38 | 0.05 | 2.95 | 0.197 | 0.37 | 1.8 |
| W233628 | | 2.1 | 120.5 | 0.002 | 0.67 | 1.47 | 15.0 | 1 | 15.5 | 70.2 | 2.52 | 0.10 | 15.00 | 0.697 | 0.54 | 3.0 |
| W233629 | | 6.0 | 32.0 | <0.002 | 4.55 | 3.35 | 8.1 | 2 | 8.4 | 35.8 | 1.55 | 0.53 | 13.25 | 0.396 | 0.24 | 2.2 |
| W233630 | | 6.3 | 12.8 | 0.003 | >10.0 | 2.50 | 5.0 | 4 | 4.4 | 28.5 | 0.71 | 1.06 | 8.14 | 0.179 | 0.15 | 1.8 |
| W233631 | | 1.8 | 0.2 | <0.002 | >10.0 | 1.05 | 0.1 | 6 | 0.2 | 1.3 | <0.05 | 0.46 | 0.06 | <0.005 | 0.04 | 0.2 |
| W233632 | | 0.8 | 0.9 | <0.002 | 0.06 | 0.23 | 0.2 | 1 | <0.2 | 79.7 | <0.05 | <0.05 | 0.17 | 0.005 | 0.02 | 0.3 |
| W233633 | | 1.9 | 68.8 | <0.002 | 2.24 | 4.35 | 8.0 | 2 | 12.2 | 24.6 | 0.97 | 0.39 | 6.47 | 0.262 | 0.35 | 1.8 |
| W233634 | | 2.4 | 132.0 | 0.004 | 0.91 | 5.42 | 17.4 | 1 | 30.5 | 51.1 | 2.92 | 0.07 | 16.45 | 0.774 | 0.58 | 4.6 |
| W233635 | | 1.5 | 51.9 | <0.002 | 1.57 | 10.70 | 7.9 | 1 | 14.1 | 22.2 | 1.05 | 0.05 | 6.16 | 0.314 | 0.33 | 2.0 |
| W233636 | | 3.2 | 107.0 | 0.004 | 2.28 | 16.75 | 14.7 | 1 | 34.0 | 33.6 | 2.51 | 0.06 | 12.95 | 0.612 | 0.49 | 3.5 |
| W233637 | | 3.6 | 124.0 | 0.002 | 0.93 | 4.98 | 15.3 | 1 | 31.3 | 38.9 | 2.59 | 0.06 | 12.70 | 0.650 | 0.54 | 3.6 |
| W233638 | | 1.7 | 141.0 | 0.004 | 0.36 | 7.27 | 17.4 | 1 | 37.4 | 42.3 | 3.61 | <0.05 | 17.50 | 0.851 | 0.57 | 4.5 |
| W233639 | | 3.4 | 113.0 | 0.003 | 5.20 | 33.8 | 17.0 | 1 | 24.8 | 35.3 | 1.50 | 0.05 | 9.57 | 0.561 | 0.62 | 3.2 |
| W233640 | | 3.1 | 111.0 | 0.007 | 0.82 | 1.77 | 15.7 | 1 | 27.3 | 60.1 | 2.77 | <0.05 | 14.15 | 0.649 | 0.44 | 3.2 |

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

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**Finalized Date: 5-DEC-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20218136

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233601 | | 122 | 1.3 | 9.8 | 39 | 93.9 |
| W233602 | | 189 | 1.4 | 9.1 | 17 | 104.0 |
| W233603 | | 135 | 1.3 | 9.5 | 23 | 99.1 |
| W233604 | | 39 | 9.7 | 15.5 | 212 | 59.5 |
| W233605 | | 145 | 1.2 | 8.9 | 12 | 103.0 |
| W233606 | | 156 | 1.2 | 9.8 | 14 | 108.5 |
| W233607 | | 150 | 1.2 | 9.9 | 12 | 108.5 |
| W233608 | | 183 | 1.3 | 10.2 | 13 | 109.5 |
| W233609 | | 179 | 1.2 | 10.5 | 12 | 110.0 |
| W233610 | | 154 | 1.2 | 8.9 | 12 | 97.0 |
| W233611 | | 160 | 1.3 | 9.9 | 13 | 114.5 |
| W233612 | | 160 | 1.5 | 9.4 | 36 | 106.5 |
| W233613 | | 191 | 2.0 | 10.5 | 18 | 130.5 |
| W233614 | | 171 | 1.2 | 10.8 | 21 | 109.0 |
| W233615 | | 176 | 1.3 | 11.0 | 15 | 121.5 |
| W233616 | | 155 | 1.2 | 9.6 | 15 | 111.5 |
| W233617 | | 151 | 1.2 | 9.8 | 16 | 110.0 |
| W233618 | | 170 | 1.4 | 10.4 | 21 | 118.5 |
| W233619 | | 168 | 1.4 | 10.8 | 14 | 120.5 |
| W233620 | | 196 | 1.7 | 11.6 | 13 | 131.5 |
| W233621 | | 185 | 1.6 | 12.1 | 15 | 116.5 |
| W233622 | | 169 | 1.8 | 12.0 | 15 | 120.0 |
| W233623 | | 174 | 2.4 | 12.8 | 15 | 119.0 |
| W233624 | | 145 | 2.6 | 11.8 | 13 | 121.0 |
| W233625 | | 119 | 3.4 | 13.9 | 11 | 121.5 |
| W233626 | | 117 | 4.0 | 14.1 | 9 | 119.5 |
| W233627 | | 53 | 10.9 | 15.8 | 2730 | 57.4 |
| W233628 | | 125 | 4.7 | 14.8 | 9 | 125.0 |
| W233629 | | 76 | 3.6 | 9.4 | 7 | 72.7 |
| W233630 | | 53 | 2.4 | 7.8 | 4 | 64.1 |
| W233631 | | 1 | 0.3 | 0.8 | <2 | 0.5 |
| W233632 | | 1 | <0.1 | 2.1 | 3 | 1.7 |
| W233633 | | 62 | 2.8 | 7.8 | 10 | 58.4 |
| W233634 | | 153 | 6.4 | 16.5 | 9 | 186.5 |
| W233635 | | 64 | 3.3 | 7.1 | 6 | 53.6 |
| W233636 | | 122 | 6.3 | 14.1 | 18 | 113.0 |
| W233637 | | 131 | 5.8 | 14.9 | 22 | 146.0 |
| W233638 | | 162 | 7.2 | 18.1 | 8 | 185.0 |
| W233639 | | 125 | 5.4 | 12.6 | 21 | 103.5 |
| W233640 | | 136 | 6.5 | 17.8 | 12 | 152.0 |

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

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

Project: Rau


**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218136

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-DEC-2020**
**This copy reported on 30-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218136

Project: Rau

P.O. No.: R20-D34

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

Comments: **Corrected certificate for Au-AA26 on samples W233617 to W233637**

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218136

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233601 | | 1.76 | 0.03 | 0.07 | 3.88 | 51.8 | 210 | 1.08 | 1.31 | 4.81 | 0.42 | 66.3 | 16.7 | 58 | 2.19 | 74.4 |
| W233602 | | 0.60 | 0.04 | 0.04 | 4.61 | 23.0 | 880 | 1.33 | 0.93 | 4.21 | 0.07 | 63.1 | 9.7 | 59 | 2.60 | 58.7 |
| W233603 | | 2.24 | 0.01 | 0.06 | 4.36 | 41.7 | 750 | 1.32 | 0.93 | 4.14 | 0.14 | 60.2 | 11.8 | 56 | 2.54 | 114.0 |
| W233604 | | 0.16 | 0.64 | 1.32 | 7.14 | 25.7 | 850 | 0.99 | 0.21 | 1.84 | 1.08 | 23.2 | 4.9 | 13 | 0.32 | 45.4 |
| W233605 | | 5.28 | 0.02 | 0.06 | 4.32 | 116.0 | 210 | 1.25 | 1.19 | 3.69 | 0.06 | 52.5 | 18.4 | 55 | 2.52 | 77.1 |
| W233606 | | 5.65 | <0.01 | 0.05 | 4.62 | 38.3 | 930 | 1.40 | 0.61 | 3.90 | 0.08 | 62.8 | 12.1 | 59 | 2.77 | 52.3 |
| W233607 | | 4.28 | 0.01 | 0.06 | 4.27 | 234 | 290 | 1.37 | 0.79 | 2.98 | 0.07 | 63.6 | 23.3 | 56 | 2.81 | 83.1 |
| W233608 | | 4.00 | <0.01 | 0.04 | 4.73 | 38.9 | 460 | 1.39 | 0.57 | 3.53 | 0.07 | 65.8 | 11.8 | 66 | 2.94 | 60.4 |
| W233609 | | <0.02 | 0.01 | 0.04 | 4.63 | 53.7 | 330 | 1.40 | 0.60 | 3.48 | 0.07 | 64.8 | 13.6 | 64 | 2.96 | 63.7 |
| W233610 | | 2.56 | 0.01 | 0.06 | 4.04 | 56.1 | 440 | 1.17 | 0.68 | 3.56 | 0.07 | 56.9 | 12.8 | 56 | 2.44 | 68.5 |
| W233611 | | 5.47 | 0.01 | 0.06 | 4.58 | 83.9 | 500 | 1.37 | 0.93 | 3.18 | 0.08 | 62.7 | 15.3 | 61 | 2.67 | 83.9 |
| W233612 | | 2.83 | 0.01 | 0.06 | 4.36 | 40.2 | 560 | 1.23 | 1.25 | 3.39 | 0.28 | 61.7 | 12.5 | 63 | 2.59 | 55.3 |
| W233613 | | 3.08 | 0.03 | 0.30 | 4.76 | 40.5 | 330 | 1.42 | 3.15 | 3.07 | 0.11 | 67.4 | 14.2 | 66 | 3.02 | 37.4 |
| W233614 | | 1.85 | 0.06 | 0.08 | 4.51 | 42.2 | 280 | 1.36 | 4.13 | 3.47 | 0.16 | 65.8 | 16.1 | 63 | 2.74 | 31.7 |
| W233615 | | 2.68 | 0.04 | 0.06 | 4.65 | 37.5 | 700 | 1.46 | 3.84 | 3.87 | 0.08 | 69.4 | 13.7 | 67 | 2.84 | 26.3 |
| W233616 | | 1.33 | 0.05 | 0.05 | 4.82 | 62.9 | 680 | 1.33 | 3.72 | 3.86 | 0.09 | 61.0 | 14.9 | 70 | 2.69 | 23.6 |
| W233617 | | 1.23 | 0.06 | 0.06 | 4.71 | 82.9 | 500 | 1.30 | 3.84 | 4.00 | 0.06 | 62.3 | 16.5 | 70 | 2.63 | 24.1 |
| W233618 | | 1.76 | 0.02 | 0.06 | 5.04 | 46.2 | 660 | 1.39 | 2.59 | 4.46 | 0.14 | 64.3 | 12.6 | 74 | 2.90 | 24.4 |
| W233619 | | 7.66 | 0.06 | 0.06 | 4.97 | 76.0 | 360 | 1.44 | 3.30 | 4.02 | 0.06 | 69.1 | 15.7 | 76 | 2.65 | 27.6 |
| W233620 | | 6.22 | 0.07 | 0.07 | 5.68 | 55.2 | 550 | 1.46 | 5.20 | 3.50 | 0.03 | 74.7 | 17.8 | 87 | 2.97 | 28.2 |
| W233621 | | 1.44 | 0.12 | 0.10 | 5.12 | 79.6 | 250 | 1.37 | 6.44 | 3.69 | 0.06 | 67.9 | 17.6 | 88 | 2.76 | 32.6 |
| W233622 | | 4.17 | 0.07 | 0.08 | 5.60 | 67.3 | 220 | 1.55 | 4.11 | 4.58 | 0.07 | 73.2 | 16.9 | 99 | 3.12 | 31.6 |
| W233623 | | 5.10 | 0.08 | 0.11 | 5.78 | 70.9 | 450 | 1.71 | 2.36 | 4.39 | 0.05 | 78.4 | 13.7 | 100 | 3.35 | 33.0 |
| W233624 | | 5.88 | 0.23 | 0.08 | 5.72 | 77.3 | 910 | 1.75 | 1.95 | 3.95 | 0.03 | 78.6 | 14.5 | 84 | 3.38 | 26.6 |
| W233625 | | 5.38 | 0.01 | 0.02 | 6.62 | 94.5 | 1980 | 1.96 | 0.52 | 4.58 | 0.03 | 102.5 | 6.0 | 56 | 3.34 | 12.0 |
| W233626 | | 2.57 | 0.08 | 0.01 | 6.68 | 175.5 | 1950 | 1.97 | 0.64 | 4.23 | 0.02 | 108.0 | 7.7 | 56 | 3.46 | 9.1 |
| W233627 | | 0.16 | 1.19 | 68.6 | 7.07 | 30.0 | 4360 | 0.96 | 0.13 | 1.90 | 15.50 | 25.0 | 5.1 | 17 | 0.39 | 217 |
| W233628 | | 2.44 | 0.03 | <0.01 | 6.78 | 840 | 1770 | 1.98 | 0.73 | 2.79 | 0.02 | 125.0 | 11.3 | 58 | 3.38 | 12.0 |
| W233629 | | 1.38 | 1.78 | 0.23 | 4.30 | 6010 | 210 | 0.75 | 6.04 | 0.46 | 0.02 | 114.0 | 54.2 | 36 | 0.83 | 77.3 |
| W233630 | | 1.84 | 0.49 | 0.36 | 2.98 | >10000 | 90 | 0.43 | 8.08 | 0.32 | 0.02 | 70.7 | 107.0 | 29 | 0.31 | 316 |
| W233631 | | 0.74 | 0.21 | 0.34 | 0.01 | 4360 | <10 | <0.05 | 2.89 | 0.10 | <0.02 | 0.47 | 83.4 | 4 | <0.05 | 455 |
| W233632 | | 2.04 | 0.01 | <0.01 | 0.15 | 23.8 | 20 | 0.10 | 1.35 | 34.2 | <0.02 | 0.99 | 0.9 | 1 | <0.05 | 3.7 |
| W233633 | | 2.05 | 0.33 | 0.10 | 3.75 | 5360 | 360 | 1.02 | 1.12 | 0.77 | 0.03 | 63.3 | 19.5 | 38 | 1.67 | 36.7 |
| W233634 | | 3.12 | 0.05 | 0.05 | 7.53 | 572 | 1830 | 2.18 | 1.77 | 1.76 | <0.02 | 138.5 | 9.0 | 71 | 3.39 | 16.7 |
| W233635 | | 1.78 | 0.05 | 0.35 | 3.29 | 887 | 560 | 0.87 | 2.90 | 1.02 | <0.02 | 56.0 | 11.2 | 36 | 1.17 | 16.8 |
| W233636 | | 2.19 | 0.09 | 0.15 | 6.33 | 533 | 440 | 2.02 | 4.41 | 0.69 | 0.04 | 120.0 | 7.6 | 61 | 2.79 | 33.5 |
| W233637 | | 2.59 | 0.16 | 0.09 | 6.65 | 297 | 1830 | 2.32 | 1.93 | 1.41 | 0.07 | 114.5 | 4.6 | 59 | 3.57 | 9.8 |
| W233638 | | 1.98 | 0.02 | 0.04 | 7.66 | 84.6 | 2160 | 2.72 | 1.21 | 0.74 | <0.02 | 156.0 | 3.6 | 60 | 4.30 | 4.2 |
| W233639 | | 1.43 | 0.35 | 0.35 | 6.29 | 360 | 390 | 2.24 | 4.15 | 2.11 | 0.09 | 97.1 | 10.3 | 46 | 3.66 | 3.9 |
| W233640 | | 2.55 | 0.10 | 0.06 | 6.17 | 563 | 1540 | 2.12 | 1.27 | 2.87 | 0.06 | 120.5 | 10.3 | 60 | 3.35 | 6.5 |

Comments: **Corrected certificate for Au-AA26 on samples W233617 to W233637**

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218136

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233601 | | 4.44 | 10.70 | 0.16 | 2.2 | 0.046 | 1.84 | 37.3 | 6.8 | 2.27 | 811 | 6.87 | 0.06 | 23.4 | 46.7 | 1310 |
| W233602 | | 3.19 | 12.45 | 0.16 | 2.8 | 0.051 | 2.18 | 36.3 | 7.7 | 2.00 | 669 | 4.80 | 0.07 | 23.3 | 32.0 | 1340 |
| W233603 | | 3.04 | 12.20 | 0.17 | 2.5 | 0.051 | 2.06 | 33.6 | 8.0 | 2.00 | 632 | 3.69 | 0.06 | 21.7 | 32.3 | 1210 |
| W233604 | | 2.40 | 13.20 | 0.13 | 1.9 | 0.055 | 1.50 | 12.6 | 2.0 | 0.58 | 743 | 4.71 | 3.34 | 5.7 | 5.4 | 450 |
| W233605 | | 4.20 | 11.50 | 0.15 | 2.5 | 0.046 | 2.06 | 28.3 | 8.0 | 1.82 | 593 | 5.44 | 0.06 | 22.0 | 44.9 | 1190 |
| W233606 | | 3.14 | 12.75 | 0.17 | 2.7 | 0.048 | 2.17 | 34.5 | 8.8 | 1.91 | 565 | 4.19 | 0.07 | 22.8 | 33.2 | 1340 |
| W233607 | | 3.83 | 12.20 | 0.18 | 2.6 | 0.043 | 2.02 | 34.8 | 8.6 | 1.50 | 499 | 6.94 | 0.07 | 24.0 | 43.5 | 1530 |
| W233608 | | 3.26 | 12.70 | 0.17 | 2.7 | 0.042 | 2.23 | 36.7 | 9.3 | 1.77 | 503 | 7.40 | 0.08 | 26.5 | 37.9 | 1660 |
| W233609 | | 3.37 | 12.65 | 0.16 | 2.6 | 0.041 | 2.18 | 35.8 | 9.4 | 1.74 | 497 | 6.60 | 0.07 | 24.9 | 40.9 | 1710 |
| W233610 | | 3.04 | 11.05 | 0.16 | 2.3 | 0.038 | 1.85 | 31.8 | 7.8 | 1.74 | 546 | 4.19 | 0.07 | 19.9 | 33.5 | 1220 |
| W233611 | | 3.33 | 12.25 | 0.16 | 3.0 | 0.038 | 2.08 | 34.1 | 8.5 | 1.57 | 484 | 7.03 | 0.08 | 25.9 | 40.2 | 1430 |
| W233612 | | 3.15 | 11.95 | 0.17 | 2.5 | 0.043 | 1.97 | 33.9 | 7.6 | 1.58 | 492 | 5.90 | 0.07 | 25.8 | 36.3 | 1480 |
| W233613 | | 3.34 | 12.95 | 0.17 | 2.9 | 0.045 | 2.18 | 37.1 | 9.0 | 1.47 | 517 | 8.31 | 0.07 | 27.9 | 43.0 | 1610 |
| W233614 | | 3.49 | 12.50 | 0.19 | 2.6 | 0.043 | 2.13 | 36.7 | 8.5 | 1.51 | 498 | 6.76 | 0.07 | 27.5 | 40.7 | 2080 |
| W233615 | | 3.01 | 12.90 | 0.18 | 3.0 | 0.045 | 2.19 | 38.0 | 8.9 | 1.76 | 540 | 7.60 | 0.07 | 28.9 | 36.6 | 1530 |
| W233616 | | 3.21 | 12.90 | 0.19 | 2.7 | 0.045 | 2.25 | 33.1 | 8.3 | 1.73 | 546 | 7.54 | 0.07 | 25.3 | 36.7 | 1330 |
| W233617 | | 3.29 | 12.65 | 0.17 | 2.6 | 0.042 | 2.20 | 34.0 | 8.0 | 1.80 | 569 | 7.59 | 0.07 | 25.2 | 36.9 | 1430 |
| W233618 | | 3.23 | 13.55 | 0.18 | 2.9 | 0.049 | 2.37 | 35.7 | 8.8 | 2.00 | 693 | 5.66 | 0.08 | 28.6 | 29.7 | 1540 |
| W233619 | | 3.61 | 12.95 | 0.18 | 2.8 | 0.049 | 2.30 | 38.8 | 8.0 | 1.71 | 569 | 7.07 | 0.08 | 30.6 | 45.3 | 1940 |
| W233620 | | 3.46 | 14.40 | 0.20 | 3.1 | 0.054 | 2.65 | 40.8 | 8.8 | 1.52 | 574 | 7.93 | 0.08 | 37.1 | 46.6 | 2220 |
| W233621 | | 4.05 | 12.80 | 0.19 | 2.7 | 0.043 | 2.39 | 37.6 | 8.3 | 1.55 | 558 | 10.90 | 0.07 | 31.6 | 65.3 | 2900 |
| W233622 | | 4.84 | 14.45 | 0.20 | 2.8 | 0.057 | 2.66 | 38.8 | 9.1 | 1.95 | 873 | 6.79 | 0.07 | 32.5 | 56.3 | 2090 |
| W233623 | | 4.35 | 15.20 | 0.19 | 2.9 | 0.067 | 2.75 | 42.1 | 9.6 | 1.98 | 944 | 6.30 | 0.07 | 30.6 | 51.7 | 2210 |
| W233624 | | 3.86 | 15.35 | 0.20 | 2.9 | 0.064 | 2.79 | 42.5 | 10.2 | 1.84 | 757 | 6.17 | 0.06 | 29.5 | 41.5 | 1850 |
| W233625 | | 2.57 | 18.85 | 0.25 | 2.8 | 0.064 | 3.12 | 57.3 | 11.1 | 2.18 | 859 | 0.91 | 0.08 | 41.6 | 25.9 | 1980 |
| W233626 | | 2.16 | 19.85 | 0.26 | 2.6 | 0.063 | 3.13 | 60.1 | 12.1 | 2.20 | 837 | 0.45 | 0.09 | 43.9 | 20.6 | 1630 |
| W233627 | | 2.55 | 13.90 | 0.16 | 1.8 | 0.039 | 1.48 | 14.1 | 2.4 | 0.56 | 736 | 7.18 | 3.27 | 5.7 | 8.3 | 510 |
| W233628 | | 2.60 | 20.7 | 0.17 | 2.7 | 0.063 | 2.91 | 67.1 | 11.9 | 1.66 | 581 | 0.76 | 0.13 | 51.7 | 19.8 | 1810 |
| W233629 | | 8.54 | 13.30 | 0.16 | 1.7 | 0.026 | 0.76 | 61.1 | 5.3 | 1.00 | 230 | 0.92 | 0.26 | 30.8 | 29.8 | 1600 |
| W233630 | | 24.4 | 9.64 | 0.16 | 1.5 | 0.026 | 0.30 | 37.2 | 3.3 | 0.77 | 99 | 1.43 | 0.22 | 14.2 | 88.8 | 1180 |
| W233631 | | 36.3 | 0.12 | 0.11 | <0.1 | 0.016 | <0.01 | <0.5 | 0.3 | 0.09 | 137 | 0.18 | <0.01 | 0.1 | 104.0 | 20 |
| W233632 | | 0.16 | 0.52 | <0.05 | 0.1 | 0.007 | 0.03 | 1.1 | 1.2 | 1.48 | 94 | 0.07 | 0.09 | 0.4 | 0.4 | 70 |
| W233633 | | 6.57 | 11.90 | 0.10 | 1.2 | 0.049 | 1.60 | 34.3 | 4.9 | 0.67 | 833 | 0.45 | 0.07 | 20.5 | 21.7 | 1170 |
| W233634 | | 3.14 | 24.6 | 0.17 | 4.1 | 0.072 | 3.17 | 75.3 | 9.8 | 1.36 | 753 | 3.09 | 0.15 | 57.2 | 25.1 | 1960 |
| W233635 | | 3.30 | 10.60 | 0.09 | 1.3 | 0.041 | 1.28 | 30.0 | 3.8 | 0.56 | 582 | 0.54 | 0.07 | 21.5 | 22.2 | 1120 |
| W233636 | | 4.29 | 20.8 | 0.14 | 2.6 | 0.089 | 2.59 | 64.1 | 8.9 | 0.88 | 462 | 1.21 | 0.11 | 51.3 | 42.5 | 1560 |
| W233637 | | 2.21 | 21.7 | 0.15 | 3.4 | 0.074 | 3.00 | 60.9 | 10.6 | 1.04 | 427 | 1.07 | 0.10 | 50.8 | 34.1 | 1880 |
| W233638 | | 1.26 | 25.6 | 0.20 | 4.3 | 0.067 | 3.51 | 81.8 | 13.2 | 0.87 | 123 | 2.84 | 0.11 | 67.5 | 29.1 | 2470 |
| W233639 | | 7.60 | 20.8 | 0.16 | 2.5 | 0.100 | 2.69 | 48.5 | 11.1 | 1.11 | 900 | 1.21 | 0.11 | 31.8 | 17.1 | 1310 |
| W233640 | | 1.91 | 20.5 | 0.16 | 3.5 | 0.074 | 2.69 | 64.1 | 10.1 | 1.60 | 641 | 3.46 | 0.11 | 51.8 | 40.2 | 3660 |

Comments: **Corrected certificate for Au-AA26 on samples W233617 to W233637**

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

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

Project: Rau


**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218136

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233601 | | 5.4 | 74.1 | 0.009 | 2.34 | 0.98 | 8.6 | 3 | 3.5 | 107.0 | 1.17 | 0.06 | 7.03 | 0.371 | 0.45 | 4.0 |
| W233602 | | 2.6 | 86.8 | 0.013 | 1.36 | 0.64 | 9.5 | 2 | 3.6 | 95.9 | 1.33 | <0.05 | 7.28 | 0.407 | 0.53 | 5.8 |
| W233603 | | 3.9 | 84.1 | 0.008 | 1.43 | 0.85 | 9.4 | 2 | 12.5 | 98.7 | 1.17 | 0.05 | 7.28 | 0.380 | 0.51 | 5.2 |
| W233604 | | 123.0 | 27.6 | <0.002 | 0.12 | 15.00 | 7.1 | <1 | 1.1 | 204 | 0.39 | <0.05 | 2.79 | 0.201 | 0.45 | 1.3 |
| W233605 | | 3.0 | 80.9 | 0.011 | 2.23 | 1.16 | 9.2 | 3 | 3.1 | 85.9 | 1.18 | 0.08 | 7.05 | 0.372 | 0.52 | 5.6 |
| W233606 | | 2.4 | 90.1 | 0.011 | 1.42 | 0.63 | 10.2 | 2 | 3.5 | 95.2 | 1.26 | 0.05 | 7.79 | 0.403 | 0.55 | 5.7 |
| W233607 | | 2.6 | 85.7 | 0.014 | 2.01 | 0.89 | 9.9 | 3 | 3.7 | 81.9 | 1.25 | 0.07 | 7.15 | 0.391 | 0.53 | 5.5 |
| W233608 | | 2.3 | 90.6 | 0.014 | 1.57 | 0.80 | 10.5 | 2 | 4.0 | 91.3 | 1.45 | <0.05 | 7.66 | 0.459 | 0.56 | 6.0 |
| W233609 | | 2.3 | 89.9 | 0.012 | 1.71 | 0.95 | 10.1 | 3 | 4.0 | 88.9 | 1.34 | <0.05 | 7.49 | 0.430 | 0.56 | 6.0 |
| W233610 | | 2.3 | 76.1 | 0.011 | 1.60 | 1.75 | 8.9 | 2 | 3.7 | 90.5 | 1.08 | <0.05 | 6.61 | 0.368 | 0.47 | 5.1 |
| W233611 | | 2.5 | 85.5 | 0.014 | 1.77 | 1.19 | 10.6 | 2 | 4.4 | 85.4 | 1.44 | <0.05 | 7.56 | 0.457 | 0.54 | 6.6 |
| W233612 | | 3.4 | 82.0 | 0.011 | 1.70 | 1.37 | 9.9 | 2 | 4.3 | 89.4 | 1.39 | <0.05 | 6.95 | 0.443 | 0.54 | 5.9 |
| W233613 | | 4.5 | 89.1 | 0.016 | 2.02 | 3.05 | 10.6 | 3 | 5.4 | 82.0 | 1.53 | 0.07 | 8.05 | 0.474 | 0.60 | 7.8 |
| W233614 | | 4.3 | 84.7 | 0.012 | 2.30 | 1.55 | 10.2 | 3 | 5.5 | 92.6 | 1.40 | 0.07 | 7.14 | 0.449 | 0.53 | 5.3 |
| W233615 | | 3.7 | 90.2 | 0.015 | 1.61 | 1.40 | 10.5 | 2 | 6.1 | 105.0 | 1.56 | 0.07 | 7.89 | 0.487 | 0.58 | 7.7 |
| W233616 | | 3.0 | 89.7 | 0.008 | 1.78 | 1.16 | 11.1 | 2 | 6.1 | 100.5 | 1.37 | 0.06 | 7.24 | 0.470 | 0.55 | 5.6 |
| W233617 | | 3.2 | 87.6 | 0.011 | 1.87 | 1.05 | 10.9 | 2 | 6.1 | 104.0 | 1.40 | 0.07 | 7.62 | 0.461 | 0.53 | 6.7 |
| W233618 | | 3.0 | 93.1 | 0.009 | 1.69 | 10.30 | 11.2 | 2 | 6.9 | 110.0 | 1.56 | <0.05 | 7.81 | 0.518 | 0.57 | 5.5 |
| W233619 | | 2.9 | 91.4 | 0.010 | 2.10 | 1.30 | 11.7 | 3 | 7.4 | 101.5 | 1.68 | 0.05 | 7.70 | 0.516 | 0.57 | 6.6 |
| W233620 | | 3.1 | 101.0 | 0.014 | 2.02 | 18.00 | 12.8 | 3 | 9.2 | 86.3 | 2.06 | 0.08 | 8.67 | 0.619 | 0.62 | 7.8 |
| W233621 | | 3.1 | 91.1 | 0.012 | 2.58 | 2.45 | 11.8 | 3 | 9.4 | 89.6 | 1.74 | 0.10 | 7.14 | 0.552 | 0.57 | 7.0 |
| W233622 | | 2.5 | 101.0 | 0.009 | 2.81 | 49.8 | 13.0 | 3 | 8.8 | 95.1 | 1.80 | 0.07 | 8.11 | 0.533 | 0.69 | 5.8 |
| W233623 | | 2.5 | 109.5 | 0.010 | 1.87 | 17.95 | 14.0 | 2 | 9.8 | 95.5 | 1.75 | 0.06 | 9.22 | 0.516 | 0.72 | 5.9 |
| W233624 | | 2.0 | 112.5 | 0.008 | 1.63 | 2.22 | 13.0 | 2 | 11.1 | 93.6 | 1.61 | 0.05 | 9.58 | 0.530 | 0.59 | 5.0 |
| W233625 | | 1.3 | 125.0 | 0.002 | 0.60 | 1.58 | 13.4 | 1 | 13.6 | 90.5 | 2.16 | <0.05 | 12.75 | 0.626 | 0.62 | 3.2 |
| W233626 | | 1.3 | 126.5 | <0.002 | 0.49 | 1.29 | 13.9 | 1 | 14.6 | 81.1 | 2.26 | <0.05 | 13.30 | 0.651 | 0.61 | 2.6 |
| W233627 | | 1505 | 29.5 | 0.010 | 0.49 | 109.5 | 7.0 | 3 | 1.7 | 209 | 0.38 | 0.05 | 2.95 | 0.197 | 0.37 | 1.8 |
| W233628 | | 2.1 | 120.5 | 0.002 | 0.67 | 1.47 | 15.0 | 1 | 15.5 | 70.2 | 2.52 | 0.10 | 15.00 | 0.697 | 0.54 | 3.0 |
| W233629 | | 6.0 | 32.0 | <0.002 | 4.55 | 3.35 | 8.1 | 2 | 8.4 | 35.8 | 1.55 | 0.53 | 13.25 | 0.396 | 0.24 | 2.2 |
| W233630 | | 6.3 | 12.8 | 0.003 | >10.0 | 2.50 | 5.0 | 4 | 4.4 | 28.5 | 0.71 | 1.06 | 8.14 | 0.179 | 0.15 | 1.8 |
| W233631 | | 1.8 | 0.2 | <0.002 | >10.0 | 1.05 | 0.1 | 6 | 0.2 | 1.3 | <0.05 | 0.46 | 0.06 | <0.005 | 0.04 | 0.2 |
| W233632 | | 0.8 | 0.9 | <0.002 | 0.06 | 0.23 | 0.2 | 1 | <0.2 | 79.7 | <0.05 | <0.05 | 0.17 | 0.005 | 0.02 | 0.3 |
| W233633 | | 1.9 | 68.8 | <0.002 | 2.24 | 4.35 | 8.0 | 2 | 12.2 | 24.6 | 0.97 | 0.39 | 6.47 | 0.262 | 0.35 | 1.8 |
| W233634 | | 2.4 | 132.0 | 0.004 | 0.91 | 5.42 | 17.4 | 1 | 30.5 | 51.1 | 2.92 | 0.07 | 16.45 | 0.774 | 0.58 | 4.6 |
| W233635 | | 1.5 | 51.9 | <0.002 | 1.57 | 10.70 | 7.9 | 1 | 14.1 | 22.2 | 1.05 | 0.05 | 6.16 | 0.314 | 0.33 | 2.0 |
| W233636 | | 3.2 | 107.0 | 0.004 | 2.28 | 16.75 | 14.7 | 1 | 34.0 | 33.6 | 2.51 | 0.06 | 12.95 | 0.612 | 0.49 | 3.5 |
| W233637 | | 3.6 | 124.0 | 0.002 | 0.93 | 4.98 | 15.3 | 1 | 31.3 | 38.9 | 2.59 | 0.06 | 12.70 | 0.650 | 0.54 | 3.6 |
| W233638 | | 1.7 | 141.0 | 0.004 | 0.36 | 7.27 | 17.4 | 1 | 37.4 | 42.3 | 3.61 | <0.05 | 17.50 | 0.851 | 0.57 | 4.5 |
| W233639 | | 3.4 | 113.0 | 0.003 | 5.20 | 33.8 | 17.0 | 1 | 24.8 | 35.3 | 1.50 | 0.05 | 9.57 | 0.561 | 0.62 | 3.2 |
| W233640 | | 3.1 | 111.0 | 0.007 | 0.82 | 1.77 | 15.7 | 1 | 27.3 | 60.1 | 2.77 | <0.05 | 14.15 | 0.649 | 0.44 | 3.2 |

Comments: **Corrected certificate for Au-AA26 on samples W233617 to W233637**

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218136

| Sample Description | Method Analyte Units LOD | 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 |
|---|---|---|---|---|---|---|
| W233601 | | 122 | 1.3 | 9.8 | 39 | 93.9 |
| W233602 | | 189 | 1.4 | 9.1 | 17 | 104.0 |
| W233603 | | 135 | 1.3 | 9.5 | 23 | 99.1 |
| W233604 | | 39 | 9.7 | 15.5 | 212 | 59.5 |
| W233605 | | 145 | 1.2 | 8.9 | 12 | 103.0 |
| W233606 | | 156 | 1.2 | 9.8 | 14 | 108.5 |
| W233607 | | 150 | 1.2 | 9.9 | 12 | 108.5 |
| W233608 | | 183 | 1.3 | 10.2 | 13 | 109.5 |
| W233609 | | 179 | 1.2 | 10.5 | 12 | 110.0 |
| W233610 | | 154 | 1.2 | 8.9 | 12 | 97.0 |
| W233611 | | 160 | 1.3 | 9.9 | 13 | 114.5 |
| W233612 | | 160 | 1.5 | 9.4 | 36 | 106.5 |
| W233613 | | 191 | 2.0 | 10.5 | 18 | 130.5 |
| W233614 | | 171 | 1.2 | 10.8 | 21 | 109.0 |
| W233615 | | 176 | 1.3 | 11.0 | 15 | 121.5 |
| W233616 | | 155 | 1.2 | 9.6 | 15 | 111.5 |
| W233617 | | 151 | 1.2 | 9.8 | 16 | 110.0 |
| W233618 | | 170 | 1.4 | 10.4 | 21 | 118.5 |
| W233619 | | 168 | 1.4 | 10.8 | 14 | 120.5 |
| W233620 | | 196 | 1.7 | 11.6 | 13 | 131.5 |
| W233621 | | 185 | 1.6 | 12.1 | 15 | 116.5 |
| W233622 | | 169 | 1.8 | 12.0 | 15 | 120.0 |
| W233623 | | 174 | 2.4 | 12.8 | 15 | 119.0 |
| W233624 | | 145 | 2.6 | 11.8 | 13 | 121.0 |
| W233625 | | 119 | 3.4 | 13.9 | 11 | 121.5 |
| W233626 | | 117 | 4.0 | 14.1 | 9 | 119.5 |
| W233627 | | 53 | 10.9 | 15.8 | 2730 | 57.4 |
| W233628 | | 125 | 4.7 | 14.8 | 9 | 125.0 |
| W233629 | | 76 | 3.6 | 9.4 | 7 | 72.7 |
| W233630 | | 53 | 2.4 | 7.8 | 4 | 64.1 |
| W233631 | | 1 | 0.3 | 0.8 | <2 | 0.5 |
| W233632 | | 1 | <0.1 | 2.1 | 3 | 1.7 |
| W233633 | | 62 | 2.8 | 7.8 | 10 | 58.4 |
| W233634 | | 153 | 6.4 | 16.5 | 9 | 186.5 |
| W233635 | | 64 | 3.3 | 7.1 | 6 | 53.6 |
| W233636 | | 122 | 6.3 | 14.1 | 18 | 113.0 |
| W233637 | | 131 | 5.8 | 14.9 | 22 | 146.0 |
| W233638 | | 162 | 7.2 | 18.1 | 8 | 185.0 |
| W233639 | | 125 | 5.4 | 12.6 | 21 | 103.5 |
| W233640 | | 136 | 6.5 | 17.8 | 12 | 152.0 |

Comments: **Corrected certificate for Au-AA26 on samples W233617 to W233637**

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

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Project: Rau


**Finalized Date: 5-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218136

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218106

Project: Rau

P.O. No.: R20-D35

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218106

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613881 | | 5.07 | 0.07 | 0.03 | 6.44 | 366 | 1520 | 1.96 | 1.68 | 3.66 | <0.02 | 105.5 | 14.3 | 55 | 3.48 | 5.0 |
| R613882 | | 3.92 | 0.01 | 0.02 | 7.29 | 823 | 1680 | 2.46 | 0.78 | 2.91 | <0.02 | 118.5 | 9.4 | 61 | 4.14 | 1.4 |
| R613883 | | 2.12 | 0.03 | 0.04 | 6.91 | 4100 | 1100 | 2.24 | 1.65 | 2.57 | <0.02 | 147.0 | 22.4 | 63 | 3.18 | 2.0 |
| R613884 | | 4.58 | 0.50 | 0.11 | 1.45 | 2420 | 140 | 0.45 | 7.89 | 1.44 | 0.03 | 14.80 | 28.3 | 27 | 0.57 | 17.6 |
| R613885 | | 0.16 | 5.22 | 11.50 | 6.06 | 754 | 50 | 0.75 | 5.78 | 3.86 | 10.70 | 29.2 | 24.7 | 32 | 1.50 | 2070 |
| R613886 | | 2.23 | 3.19 | 0.37 | 0.08 | 1365 | 10 | 0.06 | 260 | 0.06 | 0.07 | 1.97 | 73.1 | 11 | 0.07 | 48.2 |
| R613887 | | 1.16 | 1.48 | 1.18 | 1.37 | 1295 | 140 | 1.00 | 37.9 | 0.10 | 0.16 | 24.6 | 84.0 | 25 | 0.55 | 20.8 |
| R613888 | | 2.77 | 3.38 | 0.63 | 4.15 | 773 | 30 | 1.12 | 162.0 | 0.69 | <0.02 | 78.8 | 36.8 | 87 | 1.24 | 25.4 |
| R613889 | | 6.29 | 3.19 | 0.79 | 2.35 | 1195 | 180 | 0.61 | 139.5 | 3.23 | 0.06 | 44.5 | 23.4 | 56 | 0.75 | 15.6 |
| R613890 | | 1.74 | 0.26 | 0.05 | 0.19 | >10000 | 20 | 0.09 | 13.25 | 0.88 | 0.05 | 3.03 | 21.8 | 21 | 0.21 | 12.3 |
| R613891 | | <0.02 | 0.27 | 0.09 | 0.19 | >10000 | 20 | 0.08 | 12.90 | 0.91 | 0.05 | 2.52 | 21.4 | 20 | 0.19 | 11.9 |
| R613892 | | 3.97 | 0.45 | 0.19 | 1.02 | 2080 | 130 | 0.35 | 15.50 | 0.56 | 0.06 | 15.15 | 29.8 | 28 | 0.83 | 9.1 |
| R613893 | | 2.26 | 0.39 | 0.10 | 3.62 | 956 | 490 | 1.14 | 17.85 | 1.75 | 0.02 | 60.3 | 10.3 | 60 | 2.35 | 4.1 |
| R613894 | | 1.05 | 0.92 | 0.16 | 0.28 | 4560 | 40 | 0.15 | 18.55 | 0.26 | 0.06 | 4.63 | 24.2 | 21 | 0.23 | 34.6 |
| R613895 | | 1.99 | <0.01 | 0.01 | 0.12 | 4.3 | 20 | 0.09 | 0.10 | 34.5 | 0.02 | 1.11 | 0.8 | 4 | <0.05 | 2.6 |
| R613896 | | 4.59 | 0.14 | 0.22 | 3.80 | 595 | 60 | 1.25 | 17.55 | 0.29 | 0.02 | 40.0 | 10.9 | 56 | 2.44 | 7.8 |
| R613897 | | 11.40 | 0.16 | 0.22 | 4.04 | 202 | 230 | 1.24 | 16.20 | 1.80 | 0.10 | 54.3 | 15.3 | 60 | 2.78 | 14.4 |
| R613898 | | 12.57 | 0.04 | 0.07 | 3.73 | 100.0 | 680 | 1.17 | 5.50 | 2.95 | 0.14 | 53.4 | 10.7 | 56 | 2.59 | 15.1 |
| R613899 | | 3.43 | 0.03 | 0.09 | 3.23 | 91.5 | 390 | 0.89 | 2.97 | 2.94 | 0.11 | 37.6 | 12.9 | 45 | 2.12 | 34.7 |
| R613900 | | 2.38 | 0.04 | 0.07 | 3.80 | 74.3 | 310 | 1.02 | 3.36 | 2.26 | 0.09 | 54.3 | 12.7 | 52 | 2.59 | 52.9 |
| R613901 | | 11.11 | 0.06 | 0.13 | 3.76 | 122.5 | 150 | 1.15 | 4.26 | 2.32 | 0.15 | 47.5 | 21.2 | 57 | 2.72 | 132.0 |
| R613902 | | 7.09 | 0.05 | 0.13 | 4.26 | 99.1 | 190 | 1.32 | 3.52 | 2.18 | 0.08 | 48.4 | 23.7 | 59 | 3.17 | 112.0 |
| R613903 | | 7.20 | 0.03 | 0.07 | 3.84 | 51.6 | 320 | 1.08 | 2.50 | 2.51 | 0.10 | 46.3 | 16.4 | 54 | 2.77 | 69.0 |
| R618904 | | 7.16 | 0.03 | 0.09 | 4.17 | 51.2 | 350 | 1.41 | 2.68 | 2.07 | 0.12 | 47.7 | 19.9 | 58 | 3.03 | 67.3 |
| R613905 | | 6.99 | 0.03 | 0.13 | 3.96 | 49.2 | 390 | 1.33 | 2.73 | 2.30 | 0.10 | 52.7 | 21.1 | 62 | 2.89 | 77.0 |
| R613906 | | 5.88 | 0.01 | 0.06 | 4.04 | 51.6 | 440 | 1.46 | 1.69 | 2.33 | 0.08 | 51.1 | 17.2 | 55 | 2.94 | 47.4 |
| R613907 | | 9.34 | <0.01 | 0.10 | 4.01 | 66.5 | 390 | 1.42 | 1.79 | 2.19 | 0.07 | 49.2 | 31.0 | 60 | 2.88 | 125.5 |
| R613908 | | 5.16 | 0.01 | 0.48 | 4.05 | 54.9 | 180 | 1.41 | 1.79 | 2.77 | 0.07 | 53.3 | 32.9 | 63 | 3.20 | 128.0 |
| R613909 | | 3.41 | <0.01 | 0.14 | 4.29 | 38.8 | 1100 | 1.52 | 0.54 | 3.18 | 0.07 | 53.5 | 11.0 | 75 | 3.48 | 52.1 |
| R613910 | | 2.94 | <0.01 | 0.31 | 4.04 | 35.7 | 720 | 1.49 | 0.62 | 3.36 | 0.08 | 50.3 | 13.7 | 70 | 3.31 | 64.1 |
| R613911 | | 7.00 | <0.01 | 0.10 | 4.47 | 69.3 | 380 | 1.45 | 1.00 | 3.74 | 0.07 | 56.6 | 30.5 | 64 | 2.97 | 103.0 |
| R613912 | | 1.35 | <0.01 | 0.05 | 2.95 | 32.3 | 760 | 0.96 | 0.21 | 3.19 | 0.14 | 47.8 | 11.4 | 46 | 2.00 | 64.3 |
| R613913 | | 0.16 | 0.66 | 1.44 | 7.32 | 28.3 | 850 | 1.04 | 0.21 | 1.83 | 1.05 | 26.3 | 5.2 | 14 | 0.35 | 48.5 |
| R613914 | | 0.98 | <0.01 | 0.05 | 7.21 | 46.6 | 1940 | 2.41 | 0.22 | 6.17 | 0.06 | 111.5 | 11.6 | 81 | 5.08 | 34.9 |
| R613915 | | 1.02 | <0.01 | 0.03 | 4.95 | 15.5 | 1300 | 1.53 | 0.21 | 3.65 | 0.07 | 71.7 | 8.3 | 65 | 3.36 | 31.5 |
| R613916 | | 6.20 | <0.01 | 0.05 | 4.49 | 44.9 | 870 | 1.50 | 0.73 | 3.20 | 0.07 | 55.2 | 17.9 | 74 | 3.37 | 76.7 |
| R613917 | | 2.30 | <0.01 | 0.04 | 5.42 | 14.2 | 1470 | 1.81 | 0.32 | 3.55 | 0.06 | 68.6 | 8.6 | 104 | 3.85 | 42.2 |
| R613918 | | 5.03 | <0.01 | 0.07 | 3.88 | 68.4 | 370 | 1.33 | 0.91 | 2.46 | 0.05 | 46.8 | 29.8 | 68 | 2.87 | 121.5 |
| R613919 | | 6.87 | 0.02 | 0.16 | 3.72 | 71.9 | 640 | 1.79 | 1.12 | 3.06 | 0.06 | 49.2 | 36.9 | 67 | 3.57 | 90.9 |
| R613920 | | 6.86 | <0.01 | 0.08 | 5.67 | 29.4 | 500 | 1.87 | 0.85 | 3.80 | 0.08 | 83.8 | 19.6 | 66 | 3.90 | 104.5 |

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

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


**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218106

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613881 | | 2.40 | 18.65 | 0.20 | 3.4 | 0.049 | 3.13 | 56.9 | 12.5 | 1.95 | 1020 | 1.96 | 0.05 | 47.5 | 40.1 | 1930 |
| R613882 | | 2.11 | 23.5 | 0.22 | 3.8 | 0.055 | 3.37 | 65.0 | 17.5 | 1.76 | 1060 | 1.30 | 0.08 | 47.7 | 18.9 | 1900 |
| R613883 | | 2.71 | 22.4 | 0.22 | 4.3 | 0.046 | 2.79 | 80.5 | 15.4 | 1.46 | 837 | 1.74 | 0.13 | 50.1 | 30.0 | 4690 |
| R613884 | | 12.05 | 4.38 | 0.09 | 0.6 | 0.014 | 0.48 | 8.0 | 2.2 | 0.79 | 801 | 2.40 | 0.04 | 3.5 | 49.3 | 1010 |
| R613885 | | 10.10 | 14.20 | 0.14 | 0.9 | 1.130 | 1.82 | 14.5 | 10.2 | 1.20 | 1000 | 29.8 | 1.64 | 3.2 | 15.8 | 1050 |
| R613886 | | 24.1 | 0.35 | 0.11 | <0.1 | 0.007 | 0.01 | 1.1 | 0.2 | 0.05 | 358 | 1.76 | 0.01 | 0.1 | 146.0 | 180 |
| R613887 | | 34.6 | 5.16 | 0.12 | 1.1 | 0.011 | 0.34 | 13.4 | 1.6 | 0.21 | 2320 | 8.72 | 0.05 | 2.3 | 146.0 | 1360 |
| R613888 | | 15.05 | 13.60 | 0.15 | 3.1 | 0.018 | 1.06 | 42.5 | 4.8 | 0.68 | 344 | 9.47 | 0.16 | 10.9 | 82.6 | 3050 |
| R613889 | | 11.10 | 7.25 | 0.10 | 1.5 | 0.015 | 0.71 | 24.8 | 3.4 | 1.74 | 1250 | 4.14 | 0.08 | 8.2 | 66.8 | 1850 |
| R613890 | | 11.40 | 0.69 | 0.07 | 0.2 | 0.012 | 0.03 | 1.6 | 0.4 | 0.46 | 483 | 0.85 | 0.01 | 0.6 | 49.4 | 190 |
| R613891 | | 11.60 | 0.65 | 0.06 | 0.1 | 0.014 | 0.03 | 1.3 | 0.4 | 0.48 | 495 | 0.84 | 0.01 | 0.6 | 48.3 | 190 |
| R613892 | | 8.86 | 3.34 | 0.06 | 0.6 | 0.015 | 0.44 | 8.8 | 2.5 | 0.32 | 776 | 2.71 | 0.02 | 2.5 | 39.8 | 590 |
| R613893 | | 3.80 | 11.60 | 0.10 | 2.3 | 0.029 | 1.61 | 32.9 | 8.6 | 1.05 | 839 | 4.37 | 0.05 | 16.3 | 27.5 | 1400 |
| R613894 | | 21.7 | 1.08 | 0.09 | 0.2 | 0.008 | 0.08 | 2.5 | 0.6 | 0.23 | 1080 | 1.22 | 0.01 | 1.0 | 76.0 | 180 |
| R613895 | | 0.21 | 0.45 | 0.11 | 0.1 | <0.005 | 0.03 | 1.2 | 1.0 | 1.36 | 118 | 0.14 | 0.06 | 0.3 | 0.9 | 80 |
| R613896 | | 4.54 | 11.95 | 0.10 | 2.2 | 0.029 | 1.74 | 18.1 | 7.9 | 0.30 | 252 | 5.35 | 0.03 | 14.5 | 27.3 | 1140 |
| R613897 | | 3.72 | 11.65 | 0.10 | 2.4 | 0.035 | 1.92 | 29.6 | 7.0 | 0.87 | 804 | 5.84 | 0.03 | 20.9 | 37.5 | 1390 |
| R613898 | | 2.64 | 11.15 | 0.09 | 2.3 | 0.031 | 1.79 | 28.4 | 6.2 | 1.34 | 700 | 3.93 | 0.03 | 19.3 | 31.7 | 1500 |
| R613899 | | 3.53 | 8.77 | 0.09 | 2.1 | 0.027 | 1.49 | 20.4 | 5.2 | 1.32 | 862 | 5.38 | 0.03 | 14.7 | 41.7 | 1180 |
| R613900 | | 2.73 | 10.60 | 0.10 | 2.3 | 0.033 | 1.85 | 27.8 | 6.0 | 1.10 | 472 | 4.22 | 0.03 | 18.4 | 39.3 | 1140 |
| R613901 | | 4.33 | 10.90 | 0.11 | 2.4 | 0.034 | 1.83 | 25.1 | 6.1 | 1.11 | 504 | 7.96 | 0.03 | 19.5 | 58.5 | 1390 |
| R613902 | | 4.05 | 11.90 | 0.10 | 2.7 | 0.040 | 2.06 | 26.3 | 6.8 | 1.13 | 676 | 7.34 | 0.04 | 22.5 | 58.5 | 1200 |
| R613903 | | 3.36 | 10.60 | 0.10 | 2.4 | 0.031 | 1.86 | 24.6 | 5.9 | 1.23 | 581 | 5.42 | 0.03 | 19.2 | 44.7 | 1190 |
| R618904 | | 3.39 | 11.85 | 0.12 | 2.4 | 0.040 | 1.97 | 26.1 | 6.9 | 1.08 | 572 | 6.02 | 0.04 | 20.6 | 46.2 | 1060 |
| R613905 | | 3.78 | 11.25 | 0.13 | 2.8 | 0.041 | 1.90 | 29.3 | 6.7 | 1.11 | 583 | 9.97 | 0.04 | 24.5 | 57.2 | 1310 |
| R613906 | | 3.24 | 11.45 | 0.13 | 2.4 | 0.037 | 1.92 | 27.3 | 6.9 | 1.14 | 513 | 4.07 | 0.04 | 20.4 | 43.6 | 1220 |
| R613907 | | 3.89 | 11.55 | 0.11 | 2.3 | 0.035 | 1.93 | 26.5 | 6.5 | 1.08 | 455 | 8.95 | 0.04 | 20.1 | 68.3 | 1000 |
| R613908 | | 4.66 | 11.45 | 0.13 | 2.5 | 0.034 | 1.89 | 29.3 | 6.5 | 1.17 | 572 | 8.54 | 0.04 | 19.4 | 65.9 | 2330 |
| R613909 | | 3.23 | 11.95 | 0.12 | 2.5 | 0.035 | 2.00 | 30.1 | 7.0 | 1.40 | 701 | 5.11 | 0.05 | 21.0 | 35.5 | 1880 |
| R613910 | | 3.56 | 11.25 | 0.11 | 2.4 | 0.037 | 1.89 | 28.2 | 6.7 | 1.47 | 732 | 5.55 | 0.04 | 20.1 | 42.8 | 1810 |
| R613911 | | 4.20 | 12.20 | 0.12 | 2.4 | 0.039 | 2.13 | 30.9 | 6.7 | 1.67 | 842 | 6.84 | 0.05 | 21.8 | 55.2 | 1510 |
| R613912 | | 2.86 | 8.36 | 0.10 | 1.3 | 0.043 | 1.40 | 26.0 | 4.7 | 1.34 | 580 | 1.51 | 0.04 | 16.6 | 29.9 | 1150 |
| R613913 | | 2.38 | 13.90 | 0.10 | 2.0 | 0.056 | 1.50 | 13.8 | 2.2 | 0.57 | 734 | 4.92 | 3.30 | 6.0 | 6.1 | 440 |
| R613914 | | 3.01 | 19.90 | 0.21 | 4.0 | 0.072 | 3.46 | 62.2 | 11.7 | 2.60 | 851 | 4.60 | 0.08 | 40.4 | 39.2 | 5140 |
| R613915 | | 2.31 | 13.10 | 0.14 | 2.8 | 0.049 | 2.39 | 38.8 | 7.6 | 1.56 | 573 | 3.03 | 0.06 | 31.2 | 30.7 | 2550 |
| R613916 | | 3.33 | 12.25 | 0.12 | 2.5 | 0.037 | 2.17 | 31.3 | 7.5 | 1.47 | 623 | 9.15 | 0.05 | 21.3 | 45.0 | 1690 |
| R613917 | | 2.73 | 14.65 | 0.16 | 3.2 | 0.042 | 2.56 | 37.1 | 8.3 | 1.61 | 624 | 10.55 | 0.06 | 30.1 | 28.9 | 1760 |
| R613918 | | 4.08 | 10.70 | 0.11 | 2.2 | 0.036 | 1.87 | 26.2 | 6.1 | 1.11 | 499 | 6.80 | 0.04 | 17.2 | 69.8 | 1590 |
| R613919 | | 7.28 | 10.65 | 0.12 | 2.4 | 0.037 | 1.76 | 28.1 | 6.1 | 1.33 | 2700 | 7.95 | 0.04 | 17.3 | 65.6 | 1370 |
| R613920 | | 4.25 | 15.95 | 0.17 | 2.9 | 0.054 | 2.67 | 44.9 | 8.6 | 1.75 | 613 | 4.24 | 0.07 | 33.4 | 51.2 | 1870 |

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

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Project: Rau


**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218106

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613881 | | 2.2 | 122.0 | 0.010 | 0.67 | 0.75 | 12.6 | 1 | 24.4 | 51.9 | 2.60 | <0.05 | 10.40 | 0.735 | 0.53 | 4.2 |
| R613882 | | 1.8 | 135.5 | 0.002 | 0.25 | 1.03 | 13.9 | 1 | 31.3 | 47.5 | 2.61 | <0.05 | 13.65 | 0.709 | 0.58 | 3.8 |
| R613883 | | 3.2 | 109.0 | 0.009 | 1.07 | 2.51 | 13.6 | 1 | 38.9 | 55.5 | 2.84 | 0.12 | 15.60 | 0.762 | 0.53 | 4.8 |
| R613884 | | 2.9 | 20.8 | 0.005 | 7.44 | 3.28 | 2.4 | 3 | 7.0 | 21.2 | 0.20 | 0.15 | 2.03 | 0.063 | 0.55 | 2.1 |
| R613885 | | 780 | 52.7 | 0.022 | 7.34 | 61.5 | 8.5 | 22 | 4.0 | 463 | 0.18 | 0.54 | 3.75 | 0.222 | 3.99 | 1.9 |
| R613886 | | 3.2 | 0.4 | 0.006 | >10.0 | 5.73 | 0.2 | 9 | 0.3 | 1.6 | <0.05 | 0.18 | 0.50 | <0.005 | 0.27 | 6.4 |
| R613887 | | 2.4 | 14.0 | 0.017 | >10.0 | 15.35 | 2.8 | 4 | 5.0 | 7.2 | 0.12 | 0.07 | 2.64 | 0.049 | 0.15 | 21.1 |
| R613888 | | 9.2 | 42.9 | 0.027 | >10.0 | 4.33 | 8.8 | 5 | 18.1 | 27.5 | 0.58 | 0.24 | 11.60 | 0.207 | 0.34 | 7.7 |
| R613889 | | 4.9 | 28.9 | 0.010 | 7.02 | 2.84 | 5.9 | 4 | 11.4 | 34.3 | 0.50 | 0.18 | 5.12 | 0.163 | 0.31 | 3.2 |
| R613890 | | 2.6 | 1.4 | 0.005 | 7.33 | 3.23 | 1.0 | 7 | 0.8 | 6.8 | <0.05 | 1.63 | 0.47 | 0.013 | 0.05 | 1.9 |
| R613891 | | 2.4 | 1.4 | 0.006 | 7.43 | 3.26 | 1.0 | 7 | 0.8 | 6.5 | <0.05 | 1.69 | 0.45 | 0.013 | 0.06 | 2.3 |
| R613892 | | 4.0 | 18.0 | 0.007 | 5.73 | 3.61 | 2.1 | 3 | 5.2 | 8.3 | 0.15 | 0.20 | 1.67 | 0.053 | 0.22 | 3.1 |
| R613893 | | 3.2 | 61.4 | 0.007 | 1.71 | 3.39 | 7.3 | 1 | 17.5 | 26.7 | 1.03 | 0.10 | 5.88 | 0.301 | 0.41 | 3.4 |
| R613894 | | 3.3 | 3.0 | 0.005 | >10.0 | 35.4 | 1.1 | 7 | 1.2 | 4.0 | 0.05 | 0.27 | 0.57 | 0.018 | 2.03 | 1.7 |
| R613895 | | 1.0 | 0.9 | <0.002 | 0.04 | 0.16 | 0.2 | 1 | <0.2 | 86.0 | <0.05 | <0.05 | 0.10 | 0.005 | <0.02 | 0.2 |
| R613896 | | 3.0 | 65.6 | 0.009 | 2.84 | 8.42 | 7.7 | 2 | 14.7 | 35.3 | 0.89 | 0.11 | 4.57 | 0.283 | 0.66 | 4.5 |
| R613897 | | 4.0 | 77.3 | 0.014 | 2.67 | 3.33 | 7.5 | 2 | 10.6 | 43.4 | 1.21 | 0.07 | 6.19 | 0.336 | 0.57 | 4.7 |
| R613898 | | 3.0 | 74.2 | 0.011 | 1.34 | 1.21 | 7.6 | 2 | 7.7 | 76.6 | 1.17 | 0.05 | 6.07 | 0.310 | 0.41 | 3.9 |
| R613899 | | 2.8 | 58.6 | 0.013 | 2.15 | 1.27 | 6.4 | 3 | 6.2 | 69.4 | 0.82 | 0.05 | 4.25 | 0.260 | 0.37 | 4.4 |
| R613900 | | 3.0 | 70.7 | 0.008 | 1.76 | 0.98 | 7.4 | 2 | 6.2 | 62.1 | 1.07 | 0.09 | 5.86 | 0.329 | 0.44 | 3.3 |
| R613901 | | 3.8 | 75.9 | 0.018 | 3.11 | 1.41 | 7.7 | 4 | 6.7 | 68.4 | 1.12 | 0.13 | 5.62 | 0.332 | 0.48 | 4.2 |
| R613902 | | 3.2 | 84.5 | 0.019 | 2.65 | 1.49 | 8.6 | 3 | 6.8 | 65.0 | 1.33 | 0.16 | 6.42 | 0.366 | 0.50 | 4.7 |
| R613903 | | 3.1 | 74.0 | 0.018 | 1.97 | 1.07 | 7.6 | 2 | 5.5 | 74.2 | 1.16 | 0.10 | 5.80 | 0.340 | 0.41 | 3.9 |
| R618904 | | 4.8 | 82.3 | 0.012 | 2.12 | 1.41 | 10.8 | 2 | 5.4 | 61.3 | 1.20 | 0.12 | 6.45 | 0.362 | 0.51 | 5.2 |
| R613905 | | 3.7 | 81.3 | 0.029 | 2.27 | 1.18 | 10.4 | 3 | 5.4 | 67.4 | 1.44 | 0.15 | 7.06 | 0.378 | 0.51 | 5.9 |
| R613906 | | 2.3 | 79.6 | 0.010 | 1.73 | 0.78 | 10.2 | 2 | 4.6 | 67.8 | 1.21 | 0.11 | 6.34 | 0.338 | 0.46 | 5.1 |
| R613907 | | 4.0 | 83.4 | 0.017 | 2.40 | 0.79 | 9.9 | 3 | 4.6 | 61.9 | 1.18 | 0.11 | 6.48 | 0.330 | 0.46 | 5.2 |
| R613908 | | 4.5 | 81.8 | 0.020 | 2.75 | 1.07 | 10.0 | 3 | 4.3 | 77.5 | 1.13 | 0.12 | 6.57 | 0.315 | 0.51 | 7.0 |
| R613909 | | 2.8 | 89.2 | 0.015 | 1.11 | 0.78 | 10.8 | 1 | 4.2 | 86.6 | 1.26 | <0.05 | 6.95 | 0.361 | 0.48 | 7.1 |
| R613910 | | 3.6 | 83.0 | 0.016 | 1.43 | 0.69 | 10.2 | 2 | 4.0 | 88.6 | 1.18 | 0.05 | 6.54 | 0.345 | 0.46 | 6.6 |
| R613911 | | 2.8 | 92.7 | 0.020 | 1.89 | 0.76 | 11.0 | 2 | 4.3 | 106.5 | 1.26 | 0.06 | 7.04 | 0.360 | 0.52 | 4.9 |
| R613912 | | 3.5 | 63.3 | 0.009 | 0.95 | 0.52 | 7.8 | 1 | 2.5 | 101.0 | 0.86 | <0.05 | 4.93 | 0.245 | 0.35 | 3.8 |
| R613913 | | 126.5 | 32.6 | <0.002 | 0.12 | 15.15 | 7.7 | <1 | 1.2 | 208 | 0.43 | <0.05 | 3.08 | 0.198 | 0.48 | 1.5 |
| R613914 | | 1.8 | 154.5 | 0.018 | 0.53 | 0.32 | 15.2 | 1 | 6.8 | 195.5 | 2.25 | <0.05 | 14.25 | 0.654 | 0.80 | 6.1 |
| R613915 | | 2.4 | 100.5 | 0.012 | 0.52 | 0.32 | 10.5 | 1 | 4.2 | 109.5 | 1.75 | <0.05 | 8.87 | 0.489 | 0.53 | 4.4 |
| R613916 | | 2.8 | 92.1 | 0.024 | 1.35 | 0.54 | 10.7 | 2 | 3.6 | 93.7 | 1.26 | 0.05 | 7.09 | 0.357 | 0.49 | 5.5 |
| R613917 | | 2.5 | 112.5 | 0.022 | 0.72 | 0.57 | 13.7 | 1 | 4.7 | 102.0 | 1.81 | <0.05 | 8.39 | 0.533 | 0.61 | 11.3 |
| R613918 | | 2.6 | 79.9 | 0.023 | 1.99 | 0.87 | 9.9 | 3 | 3.2 | 73.0 | 1.00 | 0.07 | 5.79 | 0.302 | 0.43 | 6.8 |
| R613919 | | 3.2 | 82.8 | 0.018 | 1.82 | 0.82 | 9.6 | 2 | 3.2 | 81.9 | 0.99 | 0.08 | 6.09 | 0.276 | 0.43 | 12.6 |
| R613920 | | 4.0 | 119.0 | 0.009 | 1.78 | 0.92 | 13.4 | 2 | 4.4 | 126.0 | 1.81 | 0.07 | 9.68 | 0.512 | 0.61 | 4.6 |

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

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**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218106

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613881 | | 128 | 6.4 | 16.0 | 20 | 135.0 |
| R613882 | | 143 | 6.9 | 15.5 | 20 | 150.0 |
| R613883 | | 152 | 8.8 | 20.1 | 21 | 166.0 |
| R613884 | | 27 | 1.4 | 6.1 | 12 | 24.5 |
| R613885 | | 130 | 7.1 | 10.1 | 2090 | 28.2 |
| R613886 | | 2 | 0.2 | 2.0 | 17 | 2.8 |
| R613887 | | 44 | 2.4 | 8.7 | 302 | 84.5 |
| R613888 | | 134 | 5.6 | 12.8 | 26 | 123.0 |
| R613889 | | 61 | 3.2 | 8.9 | 29 | 54.0 |
| R613890 | | 5 | 0.2 | 2.2 | 11 | 6.1 |
| R613891 | | 5 | 0.2 | 2.2 | 11 | 5.9 |
| R613892 | | 33 | 0.9 | 3.4 | 22 | 28.1 |
| R613893 | | 115 | 3.9 | 8.7 | 20 | 85.6 |
| R613894 | | 10 | 0.4 | 2.8 | 20 | 12.4 |
| R613895 | | 1 | 0.1 | 2.3 | 4 | 2.3 |
| R613896 | | 119 | 3.6 | 8.0 | 21 | 82.6 |
| R613897 | | 140 | 2.7 | 9.5 | 26 | 95.7 |
| R613898 | | 123 | 1.9 | 9.4 | 22 | 87.5 |
| R613899 | | 114 | 1.8 | 7.8 | 29 | 78.3 |
| R613900 | | 110 | 1.5 | 8.6 | 18 | 84.1 |
| R613901 | | 121 | 1.6 | 8.9 | 22 | 91.9 |
| R613902 | | 130 | 1.7 | 9.5 | 22 | 99.5 |
| R613903 | | 120 | 1.4 | 8.4 | 21 | 87.4 |
| R618904 | | 126 | 1.7 | 9.0 | 22 | 101.0 |
| R613905 | | 137 | 1.8 | 10.2 | 15 | 114.5 |
| R613906 | | 114 | 1.4 | 9.5 | 13 | 98.8 |
| R613907 | | 136 | 1.2 | 9.0 | 12 | 94.9 |
| R613908 | | 153 | 1.6 | 10.8 | 14 | 97.1 |
| R613909 | | 157 | 1.7 | 10.3 | 15 | 103.5 |
| R613910 | | 149 | 1.7 | 9.9 | 15 | 98.0 |
| R613911 | | 152 | 1.2 | 10.0 | 20 | 92.3 |
| R613912 | | 72 | 0.8 | 9.3 | 25 | 53.6 |
| R613913 | | 40 | 10.3 | 17.1 | 207 | 63.7 |
| R613914 | | 176 | 1.8 | 20.6 | 20 | 173.0 |
| R613915 | | 120 | 1.4 | 12.7 | 19 | 108.5 |
| R613916 | | 166 | 1.2 | 10.0 | 18 | 97.6 |
| R613917 | | 199 | 1.5 | 11.5 | 13 | 130.5 |
| R613918 | | 158 | 1.0 | 8.9 | 12 | 84.6 |
| R613919 | | 136 | 1.1 | 9.9 | 57 | 128.0 |
| R613920 | | 150 | 1.3 | 13.4 | 15 | 119.5 |

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218106

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**Finalized Date: 11-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218109

Project: Rau

P.O. No.: R20-D36

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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# CERTIFICATE OF ANALYSIS WH20218109

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233641 | | 1.74 | 0.02 | 0.06 | 4.32 | 568 | 510 | 1.24 | 0.65 | 0.69 | 0.07 | 89.3 | 5.2 | 44 | 0.89 | 5.8 |
| W233642 | | 1.87 | 0.10 | <0.01 | 5.90 | 642 | 1320 | 2.20 | 0.35 | 1.30 | <0.02 | 95.5 | 3.4 | 51 | 2.36 | 1.9 |
| W233643 | | 2.91 | <0.01 | 0.01 | 6.39 | 432 | 1540 | 2.43 | 0.54 | 1.28 | 0.03 | 108.0 | 5.1 | 53 | 2.79 | 3.3 |
| W233644 | | 2.46 | 5.83 | 1.14 | 1.80 | >10000 | 90 | 0.40 | 11.40 | 0.30 | <0.02 | 48.8 | 82.9 | 33 | 0.29 | 43.2 |
| W233645 | | 1.59 | 2.81 | 0.49 | 2.44 | >10000 | 70 | 0.65 | 4.69 | 0.28 | 0.02 | 51.5 | 194.5 | 37 | 0.34 | 11.0 |
| W233646 | | 2.61 | 1.11 | 0.63 | 3.07 | >10000 | 20 | 0.48 | 7.12 | 3.74 | 0.03 | 55.7 | 91.4 | 38 | 0.06 | 47.1 |
| W233647 | | 2.06 | <0.01 | <0.01 | 0.15 | 19.9 | 20 | 0.15 | 0.05 | 33.5 | <0.02 | 1.73 | 1.0 | 1 | <0.05 | 1.5 |
| W233648 | | 1.71 | 2.77 | 1.08 | 3.06 | >10000 | 50 | 0.53 | 13.80 | 0.52 | 0.03 | 97.5 | 115.5 | 34 | 0.15 | 44.8 |
| W233649 | | 1.57 | 0.60 | 0.26 | 3.32 | >10000 | 70 | 0.63 | 3.19 | 0.78 | 0.02 | 162.5 | 80.4 | 36 | 0.16 | 24.5 |
| W233650 | | 2.48 | 0.07 | 0.04 | 4.45 | 3550 | 720 | 1.35 | 1.32 | 0.69 | <0.02 | 150.0 | 29.0 | 52 | 1.26 | 9.4 |
| W233651 | | 1.24 | 0.01 | <0.01 | 6.41 | 904 | 1300 | 2.15 | 0.40 | 0.45 | 0.02 | 234 | 6.4 | 65 | 2.39 | 4.8 |
| W233652 | | 1.23 | 0.17 | 0.03 | 5.05 | 3230 | 420 | 1.58 | 1.81 | 0.57 | <0.02 | 146.0 | 21.4 | 53 | 1.38 | 23.2 |
| W233653 | | 1.33 | 1.35 | 0.31 | 3.04 | 7900 | 20 | 0.84 | 3.87 | 0.48 | <0.02 | 124.5 | 63.9 | 42 | 0.54 | 17.5 |
| W233654 | | 1.38 | 0.29 | 0.17 | 6.42 | 5820 | 120 | 1.54 | 3.54 | 0.76 | <0.02 | 160.5 | 31.2 | 59 | 0.74 | 11.8 |
| W233655 | | 0.67 | 0.91 | 0.19 | 3.17 | 1740 | 40 | 0.71 | 1.90 | 0.67 | 0.04 | 84.5 | 42.7 | 34 | 0.07 | 5.0 |
| W233656 | | 0.16 | 5.19 | 13.60 | 5.90 | 686 | 50 | 1.05 | 5.38 | 3.72 | 10.70 | 29.3 | 28.1 | 30 | 1.57 | 2060 |
| W233657 | | 2.44 | 0.06 | 0.06 | 3.81 | 1070 | 320 | 1.15 | 0.46 | 1.02 | 0.80 | 94.8 | 8.9 | 40 | 0.66 | 12.7 |
| W233658 | | 2.32 | 0.01 | 0.06 | 3.89 | 1300 | 360 | 1.19 | 0.39 | 0.94 | 0.33 | 98.6 | 8.9 | 45 | 0.76 | 17.0 |
| W233659 | | 1.76 | 0.02 | 0.05 | 5.38 | 475 | 1250 | 1.90 | 1.49 | 1.68 | <0.02 | 160.5 | 4.1 | 51 | 2.21 | 4.4 |
| W233660 | | 4.30 | 0.03 | 0.05 | 6.50 | 358 | 1390 | 2.53 | 2.03 | 1.94 | <0.02 | 161.0 | 7.0 | 56 | 3.00 | 7.8 |
| W233661 | | 1.87 | 0.04 | 0.05 | 4.04 | 222 | 940 | 1.45 | 1.32 | 1.78 | <0.02 | 60.4 | 6.2 | 37 | 2.01 | 3.8 |
| W233662 | | 2.57 | 0.05 | 0.03 | 6.30 | 272 | 1050 | 2.21 | 1.28 | 2.36 | <0.02 | 151.0 | 8.0 | 60 | 3.08 | 8.9 |
| W233663 | | <0.02 | 0.04 | 0.03 | 5.81 | 303 | 1240 | 2.06 | 1.17 | 2.30 | <0.02 | 133.5 | 8.4 | 56 | 2.86 | 9.0 |
| W233664 | | 2.14 | 0.03 | 0.10 | 7.43 | 151.5 | 1760 | 2.98 | 1.50 | 2.85 | <0.02 | 197.5 | 4.3 | 62 | 3.75 | 4.6 |
| W233665 | | 6.39 | 0.05 | 0.06 | 6.85 | 165.0 | 670 | 2.61 | 1.82 | 2.35 | <0.02 | 161.0 | 7.6 | 54 | 3.57 | 12.7 |
| W233666 | | 1.56 | 0.81 | 0.06 | 5.97 | 338 | 1290 | 2.42 | 0.55 | 2.81 | <0.02 | 132.0 | 13.6 | 46 | 3.18 | 24.9 |
| W233667 | | 2.02 | 1.29 | 0.34 | 5.59 | 250 | 390 | 2.08 | 1.21 | 3.17 | <0.02 | 179.0 | 19.5 | 47 | 2.91 | 80.8 |
| W233668 | | 2.85 | 0.35 | 0.11 | 5.82 | 383 | 110 | 2.21 | 1.96 | 2.37 | 0.02 | 105.5 | 27.2 | 52 | 2.91 | 73.5 |
| W233669 | | 1.51 | 0.32 | 0.12 | 6.63 | 297 | 150 | 2.46 | 1.71 | 2.94 | 0.02 | 106.0 | 23.8 | 57 | 3.28 | 44.9 |
| W233670 | | 3.56 | 0.07 | 0.17 | 7.72 | 71.1 | 700 | 2.74 | 2.12 | 1.56 | <0.02 | 145.0 | 11.6 | 64 | 4.26 | 50.8 |
| W233671 | | 1.46 | 0.10 | 0.11 | 3.23 | 902 | 70 | 1.21 | 0.86 | 2.81 | 0.04 | 55.9 | 59.8 | 35 | 1.77 | 88.7 |
| W233672 | | 1.45 | 0.16 | 0.37 | 6.20 | 147.5 | 230 | 2.41 | 6.16 | 2.01 | <0.02 | 99.9 | 36.0 | 52 | 3.16 | 307 |
| W233673 | | 0.26 | 2.86 | 7.02 | 7.50 | 1730 | 140 | 1.71 | 0.51 | 3.00 | 1.25 | 38.6 | 24.3 | 16 | 8.39 | 193.0 |
| W233674 | | 3.18 | 0.03 | 0.12 | 6.47 | 66.2 | 620 | 2.38 | 1.66 | 2.33 | <0.02 | 131.5 | 10.0 | 54 | 3.53 | 59.3 |
| W233675 | | 1.68 | 0.74 | 0.24 | 5.22 | 698 | 130 | 1.70 | 2.43 | 8.16 | 0.03 | 115.0 | 55.6 | 40 | 2.61 | 171.5 |
| W233676 | | 2.68 | 0.11 | 0.06 | 7.69 | 238 | 1780 | 2.88 | 1.04 | 1.03 | <0.02 | 164.0 | 4.6 | 61 | 3.84 | 11.1 |
| W233677 | | 1.43 | 0.02 | 0.01 | 6.82 | 1240 | 1600 | 2.31 | 0.65 | 1.94 | <0.02 | 140.0 | 28.0 | 64 | 2.88 | 1.8 |
| W233678 | | 1.58 | 4.16 | 0.91 | 1.56 | >10000 | 30 | 0.24 | 34.5 | 12.65 | 0.12 | 16.30 | 737 | 10 | 0.10 | 23.2 |
| W233679 | | 1.95 | 0.16 | 0.16 | 4.42 | 7670 | 250 | 1.02 | 3.59 | 1.56 | <0.02 | 102.5 | 55.2 | 27 | 0.54 | 54.5 |
| W233680 | | 1.83 | 0.30 | 0.40 | 2.70 | >10000 | 30 | 0.66 | 2.34 | 8.90 | 0.02 | 55.6 | 144.0 | 18 | 0.34 | 111.5 |

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

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| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233641 | | 5.72 | 13.65 | 0.21 | 1.9 | 0.113 | 0.83 | 47.7 | 5.7 | 1.14 | 758 | 1.05 | 0.24 | 18.8 | 17.2 | 1380 |
| W233642 | | 2.22 | 18.90 | 0.24 | 2.9 | 0.050 | 2.10 | 50.3 | 8.9 | 1.15 | 447 | 1.20 | 0.18 | 34.1 | 13.3 | 1470 |
| W233643 | | 3.76 | 20.5 | 0.26 | 2.0 | 0.051 | 2.65 | 57.8 | 10.2 | 1.20 | 588 | 0.86 | 0.13 | 35.5 | 17.4 | 1640 |
| W233644 | | 16.55 | 6.00 | 0.15 | 0.9 | 0.027 | 0.26 | 25.9 | 2.2 | 0.46 | 261 | 0.84 | 0.11 | 10.9 | 75.4 | 420 |
| W233645 | | 15.70 | 7.97 | 0.11 | 0.9 | 0.036 | 0.33 | 28.1 | 2.5 | 0.64 | 243 | 0.53 | 0.15 | 16.1 | 61.1 | 440 |
| W233646 | | 16.15 | 9.83 | 0.08 | 1.1 | 0.071 | 0.04 | 30.6 | 3.2 | 1.08 | 1050 | 0.57 | 0.27 | 22.1 | 38.2 | 690 |
| W233647 | | 0.15 | 0.60 | <0.05 | 0.1 | 0.005 | 0.05 | 1.4 | 1.6 | 1.90 | 98 | <0.05 | 0.06 | 0.5 | 0.2 | 70 |
| W233648 | | 13.45 | 9.49 | 0.08 | 1.4 | 0.055 | 0.10 | 54.0 | 3.1 | 1.09 | 443 | 0.52 | 0.25 | 25.8 | 57.9 | 880 |
| W233649 | | 5.91 | 10.95 | 0.14 | 2.2 | 0.041 | 0.13 | 88.0 | 3.4 | 1.28 | 376 | 0.75 | 0.26 | 44.8 | 40.6 | 1170 |
| W233650 | | 4.05 | 14.30 | 0.14 | 2.2 | 0.031 | 1.28 | 80.4 | 5.2 | 1.06 | 701 | 1.09 | 0.17 | 55.0 | 30.1 | 960 |
| W233651 | | 1.80 | 20.9 | 0.32 | 3.8 | 0.044 | 2.37 | 124.5 | 7.9 | 0.97 | 119 | 1.63 | 0.16 | 93.5 | 12.6 | 1370 |
| W233652 | | 3.83 | 15.90 | 0.20 | 2.7 | 0.038 | 1.49 | 80.1 | 5.1 | 0.96 | 241 | 0.83 | 0.18 | 67.3 | 21.2 | 1200 |
| W233653 | | 17.55 | 9.81 | 0.14 | 1.9 | 0.108 | 0.55 | 64.8 | 2.9 | 0.79 | 288 | 0.82 | 0.16 | 31.4 | 57.4 | 880 |
| W233654 | | 6.97 | 20.6 | 0.19 | 3.4 | 0.082 | 0.81 | 85.3 | 6.1 | 1.79 | 340 | 1.62 | 0.42 | 45.6 | 27.0 | 2210 |
| W233655 | | 14.80 | 10.15 | 0.09 | 1.3 | 0.076 | 0.07 | 46.2 | 2.7 | 1.08 | 364 | 0.68 | 0.25 | 14.4 | 13.4 | 820 |
| W233656 | | 10.10 | 15.00 | 0.14 | 1.0 | 1.140 | 1.83 | 14.3 | 12.3 | 1.18 | 971 | 32.4 | 1.65 | 3.5 | 18.7 | 1060 |
| W233657 | | 4.55 | 12.60 | 0.11 | 2.0 | 0.117 | 0.61 | 51.6 | 3.7 | 1.17 | 904 | 1.01 | 0.23 | 39.5 | 15.1 | 1240 |
| W233658 | | 5.46 | 13.05 | 0.11 | 2.0 | 0.113 | 0.70 | 53.8 | 4.0 | 1.12 | 913 | 0.90 | 0.22 | 37.1 | 15.5 | 1230 |
| W233659 | | 1.91 | 18.95 | 0.19 | 2.5 | 0.043 | 2.14 | 85.9 | 8.5 | 1.24 | 423 | 0.93 | 0.12 | 67.7 | 19.8 | 1270 |
| W233660 | | 2.06 | 22.5 | 0.21 | 3.9 | 0.052 | 2.79 | 85.9 | 10.5 | 1.38 | 462 | 0.97 | 0.11 | 81.9 | 24.0 | 1450 |
| W233661 | | 1.93 | 12.00 | 0.08 | 1.4 | 0.026 | 1.85 | 32.9 | 5.7 | 1.02 | 459 | 0.80 | 0.05 | 30.0 | 16.4 | 800 |
| W233662 | | 2.49 | 19.80 | 0.18 | 3.5 | 0.054 | 2.89 | 83.2 | 9.2 | 1.50 | 585 | 1.02 | 0.08 | 70.6 | 28.1 | 1380 |
| W233663 | | 2.17 | 17.90 | 0.17 | 2.5 | 0.051 | 2.68 | 72.5 | 8.4 | 1.44 | 556 | 0.84 | 0.08 | 64.9 | 26.0 | 1270 |
| W233664 | | 2.00 | 25.8 | 0.24 | 3.6 | 0.070 | 3.46 | 105.0 | 12.2 | 1.83 | 614 | 0.72 | 0.09 | 103.0 | 22.6 | 1600 |
| W233665 | | 2.44 | 22.3 | 0.16 | 4.7 | 0.073 | 3.27 | 87.2 | 11.0 | 1.51 | 520 | 0.72 | 0.08 | 81.5 | 32.1 | 1330 |
| W233666 | | 2.54 | 20.4 | 0.16 | 3.5 | 0.074 | 2.83 | 73.4 | 9.8 | 1.73 | 716 | 1.42 | 0.08 | 61.7 | 18.7 | 1190 |
| W233667 | | 4.26 | 18.70 | 0.19 | 2.8 | 0.058 | 2.67 | 96.7 | 8.6 | 1.85 | 1020 | 1.10 | 0.07 | 45.3 | 35.0 | 1020 |
| W233668 | | 5.06 | 18.60 | 0.14 | 2.9 | 0.059 | 2.75 | 54.9 | 8.8 | 1.36 | 671 | 2.09 | 0.07 | 38.5 | 39.2 | 1560 |
| W233669 | | 4.36 | 20.8 | 0.16 | 3.7 | 0.059 | 3.18 | 55.2 | 10.2 | 1.48 | 786 | 3.76 | 0.08 | 42.6 | 32.9 | 2570 |
| W233670 | | 3.29 | 24.4 | 0.18 | 4.1 | 0.089 | 3.78 | 79.3 | 13.4 | 1.24 | 551 | 1.91 | 0.08 | 62.4 | 34.9 | 1680 |
| W233671 | | 7.50 | 10.10 | 0.09 | 1.2 | 0.052 | 1.48 | 30.0 | 5.4 | 0.85 | 741 | 1.09 | 0.05 | 20.7 | 29.2 | 590 |
| W233672 | | 11.95 | 19.55 | 0.16 | 2.4 | 0.074 | 2.90 | 51.1 | 10.5 | 1.27 | 923 | 1.55 | 0.08 | 28.2 | 73.9 | 1060 |
| W233673 | | 6.39 | 17.50 | 0.16 | 1.8 | 0.071 | 3.00 | 19.5 | 42.6 | 1.06 | 1360 | 3.40 | 0.35 | 7.1 | 13.3 | 1880 |
| W233674 | | 3.11 | 20.6 | 0.17 | 2.4 | 0.064 | 3.12 | 71.9 | 9.6 | 1.48 | 754 | 0.42 | 0.07 | 64.5 | 24.3 | 1290 |
| W233675 | | 7.90 | 16.25 | 0.15 | 1.9 | 0.074 | 2.41 | 60.0 | 6.6 | 0.69 | 1560 | 0.58 | 0.07 | 46.4 | 68.6 | 960 |
| W233676 | | 1.63 | 25.1 | 0.19 | 2.8 | 0.071 | 3.69 | 89.9 | 10.9 | 0.70 | 229 | 0.73 | 0.08 | 73.7 | 6.5 | 1410 |
| W233677 | | 1.39 | 23.3 | 0.18 | 2.7 | 0.060 | 2.72 | 74.3 | 9.3 | 0.88 | 335 | 0.91 | 0.16 | 73.3 | 7.1 | 1370 |
| W233678 | | 15.35 | 5.14 | 0.08 | 0.5 | 0.180 | 0.03 | 8.7 | 1.4 | 0.66 | 1560 | 0.44 | 0.13 | 7.8 | 196.5 | 580 |
| W233679 | | 8.03 | 13.25 | 0.14 | 1.6 | 0.081 | 0.49 | 54.1 | 3.7 | 1.34 | 748 | 0.68 | 0.31 | 28.9 | 22.3 | 1690 |
| W233680 | | 18.15 | 8.37 | 0.13 | 1.0 | 0.083 | 0.32 | 30.2 | 2.4 | 0.75 | 1030 | 0.38 | 0.19 | 18.9 | 36.9 | 820 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233641 | | 1.9 | 34.5 | 0.003 | 0.75 | 0.88 | 11.4 | 1 | 12.2 | 41.4 | 0.85 | 0.05 | 8.42 | 0.366 | 0.15 | 2.0 |
| W233642 | | 1.6 | 87.6 | 0.002 | 0.37 | 0.56 | 16.2 | 1 | 24.7 | 46.5 | 1.68 | <0.05 | 10.70 | 0.574 | 0.33 | 3.0 |
| W233643 | | 2.2 | 112.0 | <0.002 | 0.41 | 1.14 | 17.4 | 1 | 26.2 | 40.4 | 1.76 | <0.05 | 10.35 | 0.604 | 0.42 | 1.8 |
| W233644 | | 5.1 | 10.3 | <0.002 | >10.0 | 5.47 | 3.1 | 6 | 4.7 | 16.6 | 0.50 | 1.72 | 4.50 | 0.125 | 0.13 | 0.9 |
| W233645 | | 2.7 | 14.9 | <0.002 | >10.0 | 3.03 | 4.8 | 4 | 7.7 | 24.7 | 0.80 | 1.21 | 5.68 | 0.148 | 0.08 | 0.8 |
| W233646 | | 5.4 | 1.4 | <0.002 | >10.0 | 10.25 | 5.1 | 6 | 4.9 | 47.1 | 1.03 | 0.99 | 7.62 | 0.228 | 0.37 | 1.1 |
| W233647 | | 0.7 | 1.5 | <0.002 | 0.01 | 0.09 | 0.2 | 1 | <0.2 | 83.3 | 0.08 | <0.05 | 0.21 | 0.005 | 0.02 | 0.3 |
| W233648 | | 10.2 | 3.8 | <0.002 | 9.85 | 5.99 | 5.1 | 4 | 6.5 | 35.1 | 1.24 | 1.40 | 10.10 | 0.236 | 0.11 | 1.4 |
| W233649 | | 3.6 | 5.0 | <0.002 | 3.52 | 4.48 | 6.0 | 3 | 7.6 | 38.8 | 2.15 | 0.57 | 17.85 | 0.370 | 0.13 | 1.9 |
| W233650 | | 1.9 | 53.6 | 0.002 | 1.16 | 5.68 | 10.9 | 1 | 16.5 | 32.6 | 2.60 | 0.15 | 16.00 | 0.466 | 0.25 | 1.9 |
| W233651 | | 1.6 | 100.0 | 0.003 | 0.29 | 1.83 | 15.0 | 1 | 26.8 | 39.6 | 4.72 | 0.05 | 25.4 | 0.731 | 0.41 | 3.3 |
| W233652 | | 2.4 | 63.2 | 0.002 | 2.08 | 2.35 | 10.3 | 1 | 24.9 | 34.3 | 3.14 | 0.27 | 17.70 | 0.601 | 0.31 | 2.5 |
| W233653 | | 3.4 | 24.3 | 0.002 | >10.0 | 4.28 | 5.5 | 4 | 11.6 | 29.4 | 1.49 | 0.98 | 11.35 | 0.311 | 0.16 | 1.8 |
| W233654 | | 3.7 | 34.5 | 0.003 | 5.06 | 4.28 | 14.1 | 1 | 21.7 | 69.2 | 2.12 | 0.77 | 18.90 | 0.671 | 0.16 | 3.3 |
| W233655 | | 2.8 | 2.8 | 0.002 | >10.0 | 8.45 | 7.0 | 4 | 7.3 | 39.9 | 0.66 | 0.15 | 7.08 | 0.249 | 0.08 | 1.3 |
| W233656 | | 783 | 53.4 | 0.022 | 7.41 | 64.2 | 10.2 | 21 | 3.9 | 460 | 0.20 | 0.58 | 4.26 | 0.222 | 4.23 | 2.1 |
| W233657 | | 2.7 | 25.2 | <0.002 | 0.49 | 2.36 | 9.3 | 1 | 12.6 | 40.3 | 2.08 | 0.08 | 13.70 | 0.384 | 0.14 | 1.8 |
| W233658 | | 2.3 | 29.0 | 0.002 | 0.46 | 2.34 | 9.4 | <1 | 13.2 | 39.5 | 1.96 | 0.10 | 14.70 | 0.344 | 0.17 | 1.8 |
| W233659 | | 2.1 | 83.3 | 0.002 | 0.77 | 3.13 | 14.2 | 1 | 20.9 | 42.0 | 3.75 | <0.05 | 16.85 | 0.585 | 0.42 | 2.1 |
| W233660 | | 2.2 | 108.0 | 0.002 | 1.09 | 2.32 | 16.1 | 1 | 26.2 | 43.0 | 4.68 | <0.05 | 18.90 | 0.703 | 0.49 | 2.7 |
| W233661 | | 2.5 | 73.4 | <0.002 | 1.01 | 1.24 | 7.8 | <1 | 15.9 | 33.1 | 1.50 | <0.05 | 7.64 | 0.265 | 0.38 | 1.2 |
| W233662 | | 2.9 | 112.0 | <0.002 | 1.26 | 1.77 | 12.6 | 1 | 26.6 | 45.3 | 3.86 | <0.05 | 18.15 | 0.621 | 0.54 | 2.4 |
| W233663 | | 2.6 | 104.0 | 0.002 | 1.18 | 1.66 | 11.2 | <1 | 24.4 | 43.2 | 3.48 | <0.05 | 15.45 | 0.564 | 0.48 | 2.0 |
| W233664 | | 2.1 | 138.5 | 0.002 | 1.03 | 2.20 | 17.8 | <1 | 29.2 | 53.8 | 5.59 | 0.05 | 21.6 | 0.858 | 0.58 | 2.9 |
| W233665 | | 1.8 | 126.0 | <0.002 | 1.45 | 2.50 | 15.3 | <1 | 21.9 | 45.3 | 4.56 | 0.05 | 18.85 | 0.659 | 0.61 | 3.3 |
| W233666 | | 1.5 | 111.0 | 0.002 | 1.00 | 2.08 | 14.1 | <1 | 20.8 | 47.7 | 3.52 | <0.05 | 17.70 | 0.513 | 0.59 | 3.0 |
| W233667 | | 2.5 | 107.0 | 0.002 | 2.10 | 2.67 | 12.9 | 1 | 20.1 | 52.5 | 2.48 | <0.05 | 15.95 | 0.376 | 0.55 | 2.5 |
| W233668 | | 3.5 | 107.5 | 0.003 | 3.34 | 15.05 | 13.2 | 1 | 22.0 | 49.5 | 2.04 | 0.05 | 12.80 | 0.391 | 0.65 | 2.8 |
| W233669 | | 1.7 | 123.5 | 0.005 | 3.15 | 18.65 | 15.8 | 1 | 23.9 | 59.7 | 2.27 | 0.06 | 12.15 | 0.543 | 0.76 | 3.8 |
| W233670 | | 2.6 | 157.0 | 0.002 | 1.60 | 8.13 | 16.9 | 1 | 23.3 | 47.2 | 3.48 | 0.06 | 17.75 | 0.633 | 0.77 | 3.7 |
| W233671 | | 2.1 | 61.3 | <0.002 | 6.33 | 26.2 | 7.2 | 1 | 11.5 | 31.6 | 1.07 | 0.06 | 6.37 | 0.235 | 0.81 | 1.3 |
| W233672 | | 5.8 | 113.0 | 0.002 | 6.94 | 9.65 | 14.6 | 2 | 21.3 | 36.9 | 1.48 | 0.20 | 12.30 | 0.357 | 0.64 | 2.2 |
| W233673 | | 37.4 | 112.0 | <0.002 | 4.22 | 26.5 | 23.4 | 17 | 2.1 | 188.0 | 0.40 | 0.09 | 4.48 | 0.409 | 2.27 | 2.2 |
| W233674 | | 2.9 | 122.0 | <0.002 | 1.48 | 4.74 | 14.3 | 1 | 20.7 | 47.7 | 3.55 | 0.05 | 15.80 | 0.610 | 0.63 | 2.0 |
| W233675 | | 3.1 | 93.8 | <0.002 | 6.00 | 19.70 | 11.1 | 1 | 19.4 | 50.2 | 2.49 | 0.10 | 12.45 | 0.410 | 0.70 | 1.7 |
| W233676 | | 1.8 | 144.0 | <0.002 | 1.00 | 6.96 | 16.9 | <1 | 31.3 | 35.0 | 4.05 | 0.06 | 19.35 | 0.679 | 0.74 | 2.3 |
| W233677 | | 1.0 | 105.0 | <0.002 | 0.38 | 1.02 | 16.5 | <1 | 29.8 | 43.9 | 3.97 | 0.11 | 17.75 | 0.733 | 0.52 | 2.1 |
| W233678 | | 11.9 | 1.2 | <0.002 | 9.74 | 36.6 | 3.8 | 9 | 3.6 | 83.8 | 0.41 | 14.60 | 3.39 | 0.112 | 0.99 | 0.6 |
| W233679 | | 4.5 | 18.9 | <0.002 | 4.21 | 9.94 | 9.7 | 1 | 12.3 | 49.9 | 1.57 | 0.91 | 10.70 | 0.434 | 0.22 | 1.7 |
| W233680 | | 15.3 | 12.7 | <0.002 | >10.0 | 46.7 | 6.7 | 4 | 8.6 | 69.3 | 1.03 | 1.48 | 5.50 | 0.249 | 1.21 | 1.0 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 11-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218109

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233641 | | 89 | 4.2 | 12.3 | 22 | 80.1 |
| W233642 | | 123 | 5.7 | 11.8 | 8 | 138.0 |
| W233643 | | 134 | 6.8 | 12.6 | 12 | 84.5 |
| W233644 | | 32 | 1.6 | 5.2 | 5 | 40.9 |
| W233645 | | 40 | 2.4 | 5.7 | 7 | 36.7 |
| W233646 | | 52 | 2.5 | 8.5 | 12 | 57.2 |
| W233647 | | 1 | 0.1 | 2.6 | 4 | 2.8 |
| W233648 | | 53 | 2.6 | 11.0 | 9 | 61.0 |
| W233649 | | 62 | 3.5 | 12.5 | 8 | 93.8 |
| W233650 | | 84 | 4.1 | 12.3 | 14 | 92.5 |
| W233651 | | 116 | 6.2 | 17.7 | 9 | 164.0 |
| W233652 | | 91 | 5.8 | 12.8 | 8 | 122.0 |
| W233653 | | 53 | 3.4 | 12.0 | 9 | 80.1 |
| W233654 | | 129 | 7.2 | 16.5 | 16 | 142.5 |
| W233655 | | 65 | 2.6 | 12.4 | 12 | 53.1 |
| W233656 | | 123 | 6.9 | 10.7 | 2010 | 29.4 |
| W233657 | | 68 | 3.7 | 10.8 | 142 | 80.4 |
| W233658 | | 68 | 3.5 | 11.2 | 69 | 78.6 |
| W233659 | | 98 | 5.1 | 14.6 | 8 | 120.5 |
| W233660 | | 114 | 5.7 | 17.0 | 13 | 155.0 |
| W233661 | | 50 | 3.2 | 7.5 | 14 | 53.1 |
| W233662 | | 104 | 5.8 | 15.3 | 11 | 163.0 |
| W233663 | | 96 | 5.4 | 13.6 | 10 | 99.3 |
| W233664 | | 140 | 6.3 | 21.9 | 7 | 152.0 |
| W233665 | | 114 | 4.8 | 22.0 | 6 | 188.0 |
| W233666 | | 102 | 4.4 | 19.1 | 9 | 130.0 |
| W233667 | | 90 | 3.7 | 18.1 | 9 | 110.0 |
| W233668 | | 107 | 3.6 | 14.0 | 11 | 111.5 |
| W233669 | | 143 | 4.3 | 15.9 | 9 | 146.5 |
| W233670 | | 133 | 4.1 | 17.7 | 7 | 157.5 |
| W233671 | | 52 | 2.0 | 8.0 | 10 | 51.1 |
| W233672 | | 110 | 3.1 | 12.2 | 7 | 99.6 |
| W233673 | | 201 | 2.1 | 15.7 | 151 | 64.0 |
| W233674 | | 116 | 4.2 | 14.1 | 8 | 93.3 |
| W233675 | | 82 | 3.1 | 12.0 | 11 | 73.5 |
| W233676 | | 133 | 5.1 | 15.3 | 7 | 111.0 |
| W233677 | | 123 | 6.0 | 13.6 | 7 | 103.5 |
| W233678 | | 26 | 1.3 | 4.5 | 16 | 19.4 |
| W233679 | | 79 | 4.1 | 10.5 | 10 | 62.1 |
| W233680 | | 47 | 2.8 | 8.3 | 7 | 40.0 |

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

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Project: Rau


**Finalized Date: 11-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218109

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**Finalized Date: 30-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20295510

Project: RCM_WH20218109

This report is for 24 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 14-DEC-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| FND-02 | Find Sample for Addn Analysis |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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Project: RCM_WH20218109


**Finalized Date: 30-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20295510

| Sample Description | Method<br>Analyte<br>Units<br>LOD | Au-AA26<br>Au<br>ppm<br>0.01 |
|---|---|---|
| W233657 | | 0.03 |
| W233658 | | 0.05 |
| W233659 | | 0.02 |
| W233660 | | 0.04 |
| W233661 | | 0.10 |
| W233662 | | 0.04 |
| W233663 | | 0.05 |
| W233664 | | 0.04 |
| W233665 | | 0.04 |
| W233666 | | 0.61 |
| W233667 | | 1.18 |
| W233668 | | 0.37 |
| W233669 | | 0.15 |
| W233670 | | 0.11 |
| W233671 | | 0.13 |
| W233672 | | 0.12 |
| W233673 | | 3.52 |
| W233674 | | 0.06 |
| W233675 | | 0.59 |
| W233676 | | 0.12 |
| W233677 | | 0.07 |
| W233678 | | 3.79 |
| W233679 | | 0.26 |
| W233680 | | 0.28 |

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

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Project: RCM_WH20218109

**Page: Appendix 1**
**Total # Appendix Pages: 1**
**Finalized Date: 30-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20295510

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA26 FND-02

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**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218114

Project: Rau

P.O. No.: R20-D37

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218114

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233681 | | 2.05 | 0.08 | 0.06 | 8.06 | 2140 | 1810 | 2.79 | 1.52 | 2.80 | <0.02 | 158.5 | 21.4 | 50 | 3.84 | 4.7 |
| W233682 | | 4.83 | 0.11 | 0.09 | 6.72 | 467 | 290 | 2.33 | 2.43 | 3.14 | <0.02 | 109.0 | 28.9 | 39 | 3.49 | 8.3 |
| W233683 | | 2.76 | 0.09 | 0.06 | 7.37 | 625 | 2230 | 2.37 | 1.23 | 2.96 | <0.02 | 127.0 | 23.8 | 38 | 3.61 | 10.2 |
| W233684 | | 1.91 | 0.02 | 0.09 | 6.83 | 177.5 | 1590 | 1.97 | 0.80 | 4.32 | 0.02 | 106.5 | 27.9 | 34 | 3.60 | 48.0 |
| W233685 | | 2.02 | 0.05 | 0.06 | 7.03 | 34.9 | 2430 | 2.27 | 0.24 | 3.26 | 0.04 | 113.0 | 7.3 | 35 | 3.88 | 16.1 |
| W233686 | | 2.57 | 0.01 | 0.06 | 8.18 | 45.1 | 2750 | 2.40 | 0.60 | 2.18 | 0.02 | 127.5 | 9.0 | 43 | 4.84 | 21.8 |
| W233687 | | 3.57 | 0.08 | 0.11 | 8.19 | 63.2 | 1290 | 2.28 | 1.41 | 1.61 | <0.02 | 136.0 | 23.0 | 44 | 4.72 | 41.4 |
| W233688 | | 0.16 | 1.31 | 62.0 | 7.02 | 29.8 | 4260 | 0.95 | 0.13 | 1.83 | 14.95 | 28.4 | 4.9 | 18 | 0.40 | 210 |
| W233689 | | 12.67 | 0.04 | 0.12 | 7.46 | 46.6 | 2090 | 1.99 | 0.95 | 1.33 | <0.02 | 117.0 | 33.8 | 36 | 4.56 | 30.0 |
| W233690 | | 12.16 | 0.09 | 0.03 | 7.41 | 21.7 | 2380 | 2.30 | 0.75 | 1.57 | 0.04 | 124.0 | 18.5 | 45 | 5.86 | 14.4 |
| W233691 | | 4.61 | 0.14 | 0.04 | 6.99 | 5.9 | 2180 | 2.18 | 0.51 | 1.76 | <0.02 | 109.0 | 9.0 | 43 | 4.99 | 12.3 |
| W233692 | | 1.28 | 0.02 | 0.03 | 6.93 | 31.3 | 2070 | 2.19 | 0.59 | 2.21 | 0.04 | 121.5 | 8.7 | 43 | 4.93 | 14.5 |
| W233693 | | 1.26 | 0.03 | 0.04 | 6.73 | 5.1 | 2020 | 2.01 | 0.60 | 2.21 | 0.02 | 119.5 | 8.1 | 41 | 4.53 | 13.8 |
| W233694 | | 1.00 | 0.51 | 0.20 | 3.15 | 6370 | 230 | 0.84 | 1.57 | 9.01 | 0.04 | 49.8 | 72.4 | 21 | 1.46 | 73.5 |
| W233695 | | 3.89 | 0.12 | 0.05 | 6.76 | 226 | 1870 | 2.14 | 0.70 | 1.54 | 0.03 | 114.5 | 14.9 | 44 | 4.28 | 21.7 |
| W233696 | | 4.36 | 0.13 | 0.04 | 8.01 | 8.0 | 2340 | 2.52 | 1.39 | 1.24 | 0.02 | 142.5 | 13.1 | 45 | 4.40 | 21.1 |
| W233697 | | 2.94 | 0.05 | 0.06 | 7.79 | 11.6 | 1630 | 2.35 | 2.29 | 1.32 | <0.02 | 116.0 | 20.5 | 46 | 4.44 | 29.1 |
| W233698 | | 4.71 | 0.05 | 0.05 | 7.78 | 16.1 | 2360 | 2.44 | 1.34 | 1.58 | <0.02 | 105.0 | 14.7 | 46 | 5.36 | 21.5 |
| W233699 | | 4.75 | 0.05 | 0.03 | 6.86 | 6.3 | 1910 | 2.07 | 1.43 | 1.91 | 0.02 | 100.0 | 13.8 | 49 | 4.51 | 24.4 |
| W233700 | | 1.31 | 0.16 | 0.09 | 6.68 | 9.7 | 1780 | 2.04 | 1.06 | 2.08 | 0.06 | 103.0 | 12.1 | 40 | 3.98 | 22.8 |
| W233701 | | 1.98 | <0.01 | 0.01 | 0.14 | <0.2 | 30 | 0.09 | 0.02 | 34.7 | <0.02 | 1.20 | 0.5 | 1 | <0.05 | 1.2 |
| W233702 | | 5.83 | 0.16 | 0.03 | 7.87 | 15.0 | 2110 | 2.23 | 1.58 | 1.22 | <0.02 | 122.0 | 10.3 | 40 | 5.14 | 20.6 |
| W233703 | | 7.97 | 0.06 | 0.12 | 7.23 | 59.1 | 290 | 2.39 | 4.77 | 3.01 | 0.03 | 105.0 | 18.7 | 51 | 4.22 | 60.5 |
| W233704 | | 4.11 | 0.07 | 0.21 | 7.73 | 78.8 | 140 | 2.48 | 6.79 | 3.02 | 0.04 | 104.0 | 31.0 | 52 | 4.64 | 86.5 |
| W233705 | | 3.28 | 0.31 | 0.06 | 6.47 | 18.1 | 760 | 1.91 | 1.14 | 2.20 | 0.04 | 104.5 | 11.5 | 39 | 4.22 | 26.6 |
| W233706 | | 2.94 | 0.13 | 0.04 | 7.46 | 21.3 | 2050 | 2.38 | 1.04 | 1.37 | 0.04 | 116.0 | 10.5 | 45 | 5.33 | 21.4 |
| W233707 | | 3.16 | 0.03 | 0.08 | 7.44 | 83.4 | 1680 | 2.45 | 1.17 | 1.51 | 0.06 | 119.0 | 10.6 | 47 | 4.87 | 19.7 |
| W233708 | | 1.77 | 0.15 | 0.11 | 6.82 | 12.0 | 290 | 2.20 | 2.22 | 2.29 | 0.06 | 103.5 | 24.3 | 46 | 4.06 | 51.4 |
| W233709 | | 7.27 | 0.02 | 0.04 | 7.56 | 8.6 | 980 | 2.43 | 1.87 | 2.04 | 0.06 | 107.5 | 15.8 | 50 | 5.58 | 47.1 |
| W233710 | | <0.02 | 0.02 | 0.04 | 7.39 | 8.0 | 1300 | 2.54 | 1.80 | 2.00 | 0.04 | 102.0 | 14.7 | 48 | 5.49 | 46.9 |
| W233711 | | 6.28 | 0.02 | 0.08 | 7.43 | 14.8 | 510 | 2.48 | 2.77 | 2.72 | 0.04 | 109.0 | 21.5 | 66 | 5.54 | 123.5 |
| W233712 | | 6.22 | 0.01 | 0.06 | 7.14 | 25.4 | 490 | 2.40 | 2.65 | 2.13 | 0.03 | 111.5 | 23.7 | 58 | 5.14 | 141.5 |
| W233713 | | 11.58 | 0.01 | 0.03 | 7.96 | 14.0 | 1770 | 2.17 | 0.87 | 1.31 | 0.02 | 108.0 | 19.2 | 58 | 6.43 | 62.4 |
| W233714 | | 9.08 | 0.01 | 0.03 | 8.46 | 15.1 | 1570 | 2.14 | 0.58 | 0.75 | <0.02 | 124.5 | 17.3 | 49 | 6.25 | 42.0 |
| W233715 | | 0.16 | 0.63 | 3.25 | 7.50 | 30.7 | 870 | 1.16 | 0.21 | 1.88 | 1.14 | 28.2 | 4.7 | 14 | 0.36 | 45.3 |
| W233716 | | 3.57 | 0.01 | 0.01 | 8.53 | 30.0 | 1810 | 2.46 | 0.51 | 0.99 | 0.04 | 118.5 | 22.2 | 61 | 6.87 | 50.3 |
| W233717 | | 2.15 | 0.06 | 0.10 | 7.55 | 21.5 | 510 | 2.29 | 0.66 | 2.13 | 0.12 | 92.3 | 23.0 | 60 | 4.77 | 199.0 |
| W233718 | | 2.06 | 0.01 | 0.05 | 7.48 | 44.2 | 1060 | 2.35 | 1.46 | 1.42 | 0.06 | 89.2 | 26.0 | 67 | 5.85 | 91.7 |
| W233719 | | 1.74 | 0.04 | 0.06 | 7.88 | 36.8 | 940 | 2.46 | 2.05 | 1.38 | 0.08 | 98.4 | 25.0 | 67 | 6.96 | 108.0 |
| W233720 | | 2.21 | 0.03 | 0.03 | 8.80 | 9.2 | 1980 | 2.72 | 1.63 | 0.92 | 0.06 | 112.5 | 18.3 | 74 | 8.36 | 84.3 |

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

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


**Finalized Date: 3-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218114

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233681 | | 2.06 | 27.3 | 0.23 | 2.7 | 0.078 | 3.51 | 82.6 | 13.2 | 1.86 | 584 | 0.58 | 0.14 | 79.8 | 16.0 | 1940 |
| W233682 | | 3.26 | 20.7 | 0.18 | 2.1 | 0.070 | 3.17 | 58.7 | 11.7 | 1.78 | 746 | 0.73 | 0.07 | 48.8 | 32.1 | 1490 |
| W233683 | | 2.09 | 22.1 | 0.22 | 3.1 | 0.068 | 3.49 | 68.1 | 11.9 | 1.66 | 758 | 1.13 | 0.08 | 65.7 | 25.2 | 1940 |
| W233684 | | 3.43 | 19.35 | 0.19 | 1.7 | 0.073 | 3.24 | 57.5 | 9.5 | 2.12 | 1380 | 0.37 | 0.08 | 52.7 | 39.6 | 1440 |
| W233685 | | 2.03 | 20.7 | 0.19 | 2.8 | 0.090 | 3.36 | 61.2 | 10.7 | 1.60 | 976 | 0.74 | 0.08 | 63.7 | 31.6 | 1620 |
| W233686 | | 2.52 | 23.5 | 0.22 | 3.9 | 0.097 | 4.00 | 68.0 | 12.5 | 1.47 | 818 | 1.92 | 0.09 | 67.5 | 32.4 | 2260 |
| W233687 | | 4.14 | 22.8 | 0.20 | 3.6 | 0.085 | 3.84 | 71.9 | 11.3 | 1.50 | 721 | 2.05 | 0.09 | 61.0 | 44.0 | 2450 |
| W233688 | | 2.47 | 13.05 | 0.11 | 2.0 | 0.037 | 1.44 | 15.5 | 2.5 | 0.55 | 722 | 6.73 | 3.22 | 5.7 | 7.9 | 500 |
| W233689 | | 6.01 | 19.75 | 0.19 | 1.9 | 0.090 | 3.01 | 62.4 | 19.7 | 2.47 | 946 | 0.47 | 0.08 | 59.6 | 30.1 | 1720 |
| W233690 | | 3.74 | 21.2 | 0.18 | 2.2 | 0.079 | 3.46 | 66.4 | 13.4 | 1.82 | 709 | 0.50 | 0.10 | 58.7 | 25.2 | 1580 |
| W233691 | | 3.59 | 20.2 | 0.16 | 1.9 | 0.092 | 3.14 | 59.6 | 14.0 | 1.95 | 915 | 0.31 | 0.09 | 48.3 | 21.7 | 1350 |
| W233692 | | 3.46 | 21.1 | 0.19 | 1.6 | 0.089 | 3.04 | 65.6 | 13.1 | 2.11 | 1060 | 0.26 | 0.09 | 52.8 | 23.1 | 1360 |
| W233693 | | 3.46 | 19.35 | 0.18 | 1.4 | 0.072 | 2.99 | 64.4 | 12.0 | 2.09 | 1080 | 0.24 | 0.09 | 46.8 | 23.7 | 1320 |
| W233694 | | 7.01 | 8.77 | 0.12 | 1.1 | 0.054 | 1.23 | 26.9 | 3.5 | 4.12 | 2090 | 0.38 | 0.09 | 21.1 | 73.6 | 640 |
| W233695 | | 4.44 | 19.80 | 0.16 | 1.3 | 0.070 | 2.71 | 61.9 | 12.6 | 2.16 | 1020 | 0.27 | 0.09 | 54.7 | 31.8 | 1300 |
| W233696 | | 3.73 | 23.1 | 0.22 | 3.5 | 0.093 | 3.36 | 74.6 | 11.7 | 1.44 | 764 | 0.88 | 0.12 | 67.4 | 33.7 | 1540 |
| W233697 | | 5.14 | 21.2 | 0.19 | 2.3 | 0.070 | 3.14 | 62.1 | 13.4 | 2.07 | 886 | 3.05 | 0.10 | 49.0 | 27.3 | 2050 |
| W233698 | | 4.06 | 20.7 | 0.16 | 2.9 | 0.083 | 3.53 | 55.9 | 13.8 | 1.89 | 721 | 0.84 | 0.11 | 42.5 | 25.1 | 1940 |
| W233699 | | 3.68 | 18.45 | 0.16 | 3.0 | 0.076 | 3.19 | 53.9 | 12.3 | 1.70 | 714 | 0.79 | 0.10 | 38.6 | 22.4 | 2070 |
| W233700 | | 4.89 | 16.40 | 0.15 | 1.7 | 0.068 | 2.90 | 53.8 | 14.1 | 2.62 | 1250 | 0.17 | 0.09 | 46.6 | 21.3 | 1160 |
| W233701 | | 0.10 | 0.43 | 0.08 | 0.1 | <0.005 | 0.06 | 1.2 | 1.4 | 1.88 | 98 | <0.05 | 0.06 | 0.3 | 0.3 | 70 |
| W233702 | | 4.20 | 20.1 | 0.19 | 1.8 | 0.086 | 3.56 | 65.1 | 13.8 | 2.28 | 856 | 0.31 | 0.10 | 58.0 | 17.2 | 1770 |
| W233703 | | 4.61 | 18.80 | 0.18 | 3.1 | 0.079 | 3.31 | 54.3 | 11.4 | 1.75 | 674 | 3.34 | 0.12 | 41.6 | 35.8 | 1900 |
| W233704 | | 5.96 | 19.85 | 0.17 | 3.6 | 0.091 | 3.61 | 53.4 | 12.0 | 1.74 | 707 | 5.67 | 0.13 | 41.1 | 44.4 | 1930 |
| W233705 | | 3.68 | 16.00 | 0.19 | 2.5 | 0.069 | 3.02 | 55.3 | 9.8 | 1.81 | 892 | 0.44 | 0.10 | 49.3 | 21.1 | 1350 |
| W233706 | | 3.70 | 19.35 | 0.21 | 2.1 | 0.073 | 3.41 | 61.9 | 12.5 | 1.98 | 906 | 0.29 | 0.11 | 52.5 | 20.8 | 1320 |
| W233707 | | 3.68 | 18.85 | 0.21 | 1.9 | 0.114 | 3.47 | 62.5 | 11.4 | 1.80 | 1020 | 0.31 | 0.11 | 54.3 | 18.8 | 1490 |
| W233708 | | 5.67 | 17.35 | 0.20 | 2.5 | 0.087 | 3.00 | 54.3 | 11.9 | 2.01 | 906 | 6.30 | 0.10 | 43.9 | 37.8 | 1330 |
| W233709 | | 4.92 | 19.25 | 0.16 | 3.0 | 0.088 | 3.43 | 56.2 | 13.0 | 1.87 | 661 | 2.19 | 0.12 | 43.2 | 31.1 | 1850 |
| W233710 | | 4.75 | 18.90 | 0.21 | 3.7 | 0.084 | 3.36 | 54.4 | 13.1 | 1.85 | 645 | 2.19 | 0.12 | 43.6 | 28.9 | 1820 |
| W233711 | | 5.74 | 19.05 | 0.17 | 3.6 | 0.083 | 3.32 | 57.2 | 12.7 | 1.77 | 572 | 2.55 | 0.12 | 49.0 | 47.1 | 3640 |
| W233712 | | 5.82 | 18.95 | 0.20 | 3.9 | 0.085 | 3.19 | 59.9 | 12.5 | 1.63 | 556 | 4.28 | 0.13 | 48.7 | 44.8 | 2530 |
| W233713 | | 6.84 | 19.70 | 0.15 | 2.9 | 0.093 | 2.99 | 58.3 | 18.7 | 2.24 | 535 | 1.55 | 0.17 | 42.5 | 38.9 | 1970 |
| W233714 | | 8.24 | 20.8 | 0.17 | 3.6 | 0.094 | 2.54 | 66.6 | 23.5 | 2.55 | 496 | 0.49 | 0.30 | 54.5 | 39.5 | 2080 |
| W233715 | | 2.47 | 12.95 | 0.15 | 1.9 | 0.055 | 1.54 | 13.6 | 2.4 | 0.60 | 763 | 4.62 | 3.47 | 5.9 | 5.7 | 440 |
| W233716 | | 6.52 | 21.0 | 0.21 | 4.0 | 0.090 | 3.07 | 63.3 | 20.6 | 2.20 | 485 | 0.57 | 0.24 | 46.5 | 42.7 | 1800 |
| W233717 | | 6.22 | 18.90 | 0.17 | 3.2 | 0.111 | 2.93 | 48.4 | 17.2 | 1.93 | 1100 | 0.82 | 0.13 | 32.8 | 50.2 | 1520 |
| W233718 | | 5.71 | 18.90 | 0.17 | 3.6 | 0.082 | 2.91 | 47.7 | 18.1 | 1.72 | 494 | 2.13 | 0.16 | 33.8 | 38.6 | 1820 |
| W233719 | | 6.69 | 20.2 | 0.18 | 3.7 | 0.090 | 3.05 | 51.9 | 19.9 | 2.06 | 518 | 2.87 | 0.22 | 39.2 | 42.5 | 2230 |
| W233720 | | 6.35 | 22.5 | 0.18 | 4.4 | 0.093 | 3.57 | 60.9 | 20.1 | 2.00 | 358 | 2.51 | 0.18 | 45.5 | 42.3 | 2380 |

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

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Project: Rau


**Finalized Date: 3-DEC-2020**
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# CERTIFICATE OF ANALYSIS WH20218114

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233681 | | 2.1 | 138.0 | 0.002 | 1.12 | 2.52 | 21.3 | 1 | 33.9 | 61.8 | 4.36 | 0.27 | 16.40 | 0.935 | 0.68 | 2.5 |
| W233682 | | 1.9 | 136.5 | <0.002 | 2.32 | 2.92 | 16.7 | 1 | 23.3 | 51.8 | 2.80 | 0.05 | 11.45 | 0.658 | 0.58 | 2.1 |
| W233683 | | 2.1 | 141.5 | 0.002 | 0.91 | 2.23 | 19.5 | <1 | 29.9 | 58.0 | 3.84 | 0.05 | 12.65 | 0.896 | 0.65 | 3.1 |
| W233684 | | 2.2 | 140.0 | <0.002 | 1.29 | 5.19 | 17.0 | 1 | 23.9 | 81.6 | 2.91 | <0.05 | 10.15 | 0.711 | 0.69 | 1.5 |
| W233685 | | 2.7 | 151.0 | <0.002 | 0.42 | 1.89 | 18.3 | 1 | 27.6 | 70.5 | 3.74 | <0.05 | 11.55 | 0.808 | 0.68 | 2.5 |
| W233686 | | 2.1 | 175.0 | 0.003 | 0.49 | 4.62 | 20.6 | 1 | 25.7 | 66.2 | 3.80 | <0.05 | 12.25 | 0.953 | 0.77 | 3.6 |
| W233687 | | 3.2 | 170.5 | 0.004 | 1.31 | 9.96 | 19.7 | 1 | 20.4 | 58.0 | 3.58 | <0.05 | 12.90 | 0.845 | 0.84 | 3.9 |
| W233688 | | 1405 | 31.0 | 0.010 | 0.48 | 108.0 | 6.9 | 3 | 1.7 | 205 | 0.44 | 0.05 | 3.03 | 0.194 | 0.40 | 2.1 |
| W233689 | | 3.0 | 139.0 | <0.002 | 0.98 | 1.19 | 17.4 | 1 | 16.1 | 52.1 | 3.37 | <0.05 | 11.65 | 0.794 | 0.73 | 1.7 |
| W233690 | | 2.1 | 157.0 | <0.002 | 0.57 | 0.74 | 16.6 | 1 | 13.9 | 57.2 | 3.44 | <0.05 | 13.45 | 0.744 | 0.84 | 2.0 |
| W233691 | | 1.9 | 143.0 | <0.002 | 0.42 | 0.67 | 15.3 | 1 | 14.2 | 56.3 | 2.77 | <0.05 | 12.45 | 0.646 | 0.74 | 1.5 |
| W233692 | | 1.7 | 143.0 | <0.002 | 0.48 | 0.70 | 15.4 | 1 | 18.2 | 60.9 | 2.98 | <0.05 | 13.10 | 0.620 | 0.77 | 1.3 |
| W233693 | | 1.7 | 135.0 | <0.002 | 0.48 | 0.58 | 14.4 | <1 | 16.5 | 58.2 | 2.72 | <0.05 | 12.80 | 0.583 | 0.70 | 1.2 |
| W233694 | | 3.1 | 51.3 | <0.002 | 3.30 | 2.19 | 10.5 | 1 | 10.4 | 145.5 | 1.13 | 0.28 | 5.48 | 0.250 | 0.31 | 1.6 |
| W233695 | | 2.0 | 128.5 | <0.002 | 0.79 | 0.81 | 15.0 | 1 | 14.4 | 47.6 | 3.03 | <0.05 | 12.05 | 0.619 | 0.70 | 1.2 |
| W233696 | | 2.6 | 149.0 | 0.002 | 0.85 | 2.49 | 17.2 | 1 | 16.5 | 48.7 | 3.72 | <0.05 | 14.80 | 0.709 | 0.76 | 3.5 |
| W233697 | | 3.2 | 136.0 | 0.002 | 1.20 | 2.44 | 18.7 | <1 | 15.0 | 53.6 | 2.73 | <0.05 | 12.20 | 0.811 | 0.76 | 2.5 |
| W233698 | | 2.2 | 159.5 | 0.002 | 0.90 | 1.03 | 19.5 | 1 | 15.3 | 60.5 | 2.52 | <0.05 | 11.10 | 0.843 | 0.80 | 3.0 |
| W233699 | | 2.3 | 140.5 | <0.002 | 1.02 | 0.84 | 14.3 | 1 | 12.4 | 65.3 | 2.23 | 0.05 | 11.95 | 0.579 | 0.69 | 3.1 |
| W233700 | | 2.6 | 124.0 | <0.002 | 0.84 | 0.65 | 12.4 | <1 | 11.3 | 57.1 | 2.42 | <0.05 | 10.65 | 0.588 | 0.66 | 1.4 |
| W233701 | | 1.1 | 1.8 | <0.002 | 0.01 | 0.06 | 0.2 | 1 | 0.2 | 80.4 | <0.05 | <0.05 | 0.11 | 0.006 | 0.02 | 0.2 |
| W233702 | | 2.6 | 158.0 | 0.002 | 0.86 | 0.94 | 17.5 | 1 | 16.8 | 46.3 | 3.07 | <0.05 | 11.55 | 0.821 | 0.79 | 1.6 |
| W233703 | | 4.1 | 140.5 | 0.003 | 2.25 | 1.87 | 14.5 | 1 | 17.2 | 71.7 | 2.17 | 0.09 | 11.30 | 0.677 | 0.71 | 3.4 |
| W233704 | | 4.9 | 153.0 | 0.004 | 3.21 | 2.51 | 15.4 | 1 | 18.3 | 77.8 | 2.13 | 0.11 | 11.75 | 0.704 | 0.76 | 4.1 |
| W233705 | | 2.4 | 133.5 | <0.002 | 1.14 | 1.10 | 12.2 | <1 | 12.7 | 61.0 | 2.62 | <0.05 | 10.60 | 0.586 | 0.67 | 2.4 |
| W233706 | | 2.0 | 152.5 | 0.002 | 0.80 | 0.75 | 14.3 | <1 | 12.0 | 47.3 | 2.80 | <0.05 | 12.40 | 0.650 | 0.80 | 1.8 |
| W233707 | | 4.1 | 153.0 | <0.002 | 1.09 | 1.22 | 14.9 | 1 | 17.4 | 49.3 | 2.88 | <0.05 | 12.10 | 0.644 | 0.74 | 1.6 |
| W233708 | | 3.6 | 132.5 | 0.003 | 2.21 | 1.15 | 13.0 | <1 | 11.9 | 67.2 | 2.19 | <0.05 | 10.75 | 0.533 | 0.60 | 2.7 |
| W233709 | | 2.5 | 155.5 | 0.004 | 1.12 | 0.98 | 16.3 | 1 | 10.4 | 78.3 | 2.31 | <0.05 | 11.30 | 0.714 | 0.78 | 3.1 |
| W233710 | | 2.4 | 154.5 | 0.003 | 1.06 | 0.98 | 16.1 | 1 | 10.4 | 77.7 | 2.26 | 0.05 | 10.95 | 0.730 | 0.76 | 3.3 |
| W233711 | | 2.9 | 152.5 | 0.006 | 1.68 | 1.32 | 15.9 | 2 | 10.1 | 107.0 | 2.49 | 0.08 | 11.65 | 0.804 | 0.82 | 4.0 |
| W233712 | | 2.8 | 149.5 | 0.007 | 1.73 | 1.00 | 15.5 | 2 | 10.0 | 89.7 | 2.52 | 0.07 | 11.90 | 0.695 | 0.77 | 4.6 |
| W233713 | | 3.0 | 146.0 | 0.005 | 1.00 | 0.90 | 17.8 | 1 | 8.6 | 55.4 | 2.22 | 0.05 | 11.70 | 0.815 | 0.88 | 2.9 |
| W233714 | | 3.5 | 125.5 | 0.004 | 0.62 | 0.84 | 21.4 | 2 | 8.2 | 45.1 | 2.77 | 0.05 | 12.90 | 0.959 | 0.77 | 2.5 |
| W233715 | | 128.5 | 32.2 | 0.002 | 0.12 | 15.70 | 7.0 | 1 | 1.2 | 214 | 0.40 | <0.05 | 3.09 | 0.209 | 0.47 | 1.3 |
| W233716 | | 3.5 | 149.5 | 0.005 | 0.74 | 0.90 | 20.3 | 2 | 7.9 | 47.5 | 2.52 | <0.05 | 12.80 | 0.870 | 0.82 | 3.1 |
| W233717 | | 3.8 | 141.5 | 0.007 | 1.61 | 1.65 | 16.6 | 3 | 8.3 | 57.1 | 1.69 | 0.05 | 10.45 | 0.642 | 0.74 | 3.5 |
| W233718 | | 5.0 | 138.0 | 0.012 | 1.33 | 1.15 | 16.1 | 2 | 7.5 | 60.7 | 1.78 | 0.08 | 10.35 | 0.687 | 0.75 | 3.6 |
| W233719 | | 4.5 | 156.5 | 0.011 | 1.31 | 1.98 | 18.0 | 3 | 7.9 | 60.4 | 2.01 | 0.08 | 11.10 | 0.782 | 0.99 | 4.5 |
| W233720 | | 4.1 | 176.5 | 0.011 | 1.20 | 1.53 | 21.3 | 3 | 8.6 | 53.9 | 2.41 | 0.07 | 12.95 | 0.910 | 1.06 | 5.1 |

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

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Project: Rau


**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218114

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233681 | | 155 | 7.2 | 19.7 | 7 | 115.5 |
| W233682 | | 126 | 5.1 | 15.8 | 6 | 90.1 |
| W233683 | | 162 | 6.6 | 17.0 | 7 | 133.0 |
| W233684 | | 132 | 4.1 | 15.0 | 9 | 68.5 |
| W233685 | | 148 | 4.7 | 16.4 | 12 | 113.0 |
| W233686 | | 184 | 4.7 | 18.1 | 11 | 161.5 |
| W233687 | | 181 | 4.3 | 17.3 | 15 | 151.0 |
| W233688 | | 51 | 12.5 | 17.0 | 2690 | 59.2 |
| W233689 | | 149 | 3.3 | 12.7 | 39 | 75.0 |
| W233690 | | 139 | 3.4 | 12.7 | 25 | 90.8 |
| W233691 | | 129 | 3.1 | 11.2 | 23 | 68.1 |
| W233692 | | 122 | 3.5 | 12.7 | 22 | 66.4 |
| W233693 | | 119 | 3.2 | 11.8 | 22 | 54.1 |
| W233694 | | 54 | 1.8 | 20.1 | 10 | 45.2 |
| W233695 | | 119 | 3.1 | 12.1 | 27 | 69.9 |
| W233696 | | 139 | 4.0 | 15.9 | 26 | 165.5 |
| W233697 | | 170 | 4.5 | 12.0 | 27 | 100.5 |
| W233698 | | 179 | 4.1 | 12.4 | 23 | 116.5 |
| W233699 | | 118 | 2.8 | 13.3 | 16 | 118.5 |
| W233700 | | 98 | 2.9 | 11.3 | 42 | 68.4 |
| W233701 | | 1 | <0.1 | 2.0 | 6 | 1.9 |
| W233702 | | 164 | 4.2 | 11.6 | 26 | 74.4 |
| W233703 | | 160 | 4.1 | 14.7 | 9 | 122.5 |
| W233704 | | 181 | 4.1 | 16.2 | 9 | 141.0 |
| W233705 | | 110 | 2.9 | 12.3 | 19 | 101.0 |
| W233706 | | 124 | 3.1 | 11.8 | 21 | 85.7 |
| W233707 | | 133 | 3.2 | 11.9 | 19 | 79.4 |
| W233708 | | 127 | 2.5 | 12.0 | 19 | 101.5 |
| W233709 | | 159 | 2.6 | 13.5 | 25 | 120.0 |
| W233710 | | 158 | 2.6 | 15.8 | 24 | 154.0 |
| W233711 | | 171 | 2.3 | 16.1 | 23 | 143.0 |
| W233712 | | 186 | 1.9 | 15.5 | 22 | 152.0 |
| W233713 | | 191 | 2.1 | 13.9 | 52 | 110.0 |
| W233714 | | 201 | 2.3 | 16.2 | 68 | 123.0 |
| W233715 | | 41 | 10.3 | 17.4 | 217 | 61.4 |
| W233716 | | 202 | 2.3 | 17.2 | 54 | 165.0 |
| W233717 | | 196 | 2.7 | 17.1 | 35 | 125.0 |
| W233718 | | 209 | 2.1 | 13.3 | 32 | 137.5 |
| W233719 | | 242 | 2.3 | 17.1 | 39 | 146.5 |
| W233720 | | 265 | 2.6 | 18.2 | 44 | 167.0 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 3-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218114

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227668

Project: Rau

P.O. No.: R20-D38

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227668

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613921 | | 6.64 | <0.01 | 0.06 | 6.97 | 33.0 | 650 | 2.37 | 0.53 | 2.82 | 0.07 | 110.0 | 13.0 | 60 | 4.27 | 62.9 |
| R613922 | | 12.87 | 0.01 | 0.05 | 6.41 | 78.0 | 450 | 2.14 | 0.57 | 3.65 | 0.10 | 104.0 | 18.5 | 53 | 4.04 | 77.2 |
| R613923 | | 11.24 | <0.01 | 0.06 | 6.73 | 21.9 | 910 | 2.09 | 0.44 | 4.40 | 0.12 | 114.0 | 12.9 | 51 | 4.06 | 63.1 |
| R613924 | | 2.30 | <0.01 | 0.04 | 5.15 | 6.7 | 1450 | 1.60 | 0.16 | 4.96 | 0.17 | 74.5 | 7.1 | 37 | 3.07 | 38.4 |
| R613925 | | 12.74 | <0.01 | 0.05 | 6.44 | 14.4 | 1530 | 2.03 | 0.31 | 5.09 | 0.11 | 103.5 | 9.3 | 48 | 3.72 | 44.1 |
| R613926 | | 0.16 | 0.66 | 1.36 | 7.41 | 27.8 | 870 | 1.07 | 0.19 | 1.85 | 1.06 | 26.6 | 5.0 | 13 | 0.33 | 45.4 |
| R613927 | | 12.54 | <0.01 | 0.04 | 6.37 | 12.9 | 1690 | 1.81 | 0.25 | 4.67 | 0.10 | 104.5 | 10.2 | 51 | 3.54 | 40.3 |
| R613928 | | 11.61 | <0.01 | 0.05 | 6.54 | 19.8 | 1790 | 2.13 | 0.30 | 4.26 | 0.12 | 106.0 | 11.5 | 55 | 3.86 | 45.5 |
| R613929 | | 14.95 | 0.01 | 0.13 | 5.09 | 32.4 | 70 | 1.79 | 0.90 | 2.50 | 0.09 | 69.0 | 31.3 | 54 | 3.51 | 166.5 |
| R613930 | | 6.96 | 0.01 | 0.05 | 4.22 | 38.6 | 440 | 1.23 | 0.47 | 2.60 | 0.08 | 51.7 | 13.1 | 61 | 2.46 | 75.3 |
| R613931 | | 2.00 | 0.01 | 0.17 | 2.87 | 96.1 | 40 | 1.00 | 1.63 | 1.79 | 0.10 | 38.9 | 47.5 | 47 | 1.90 | 320 |
| R613932 | | 2.03 | <0.01 | <0.01 | 0.11 | 0.5 | 20 | 0.09 | 0.02 | 34.7 | 0.02 | 1.13 | 1.0 | 1 | <0.05 | 1.8 |
| R613933 | | 2.78 | 0.01 | 0.07 | 4.03 | 17.1 | 320 | 1.31 | 0.57 | 2.44 | 0.07 | 56.4 | 13.1 | 56 | 2.84 | 82.3 |
| R613934 | | 0.68 | 0.01 | 0.13 | 3.63 | 48.5 | 90 | 1.18 | 1.17 | 2.69 | 0.12 | 51.4 | 29.5 | 50 | 2.47 | 159.5 |
| R613935 | | 4.84 | <0.01 | 0.07 | 3.85 | 51.3 | 560 | 1.28 | 0.68 | 2.48 | 0.25 | 58.1 | 13.8 | 53 | 2.78 | 69.8 |
| R613936 | | 0.79 | 0.02 | 0.10 | 4.30 | 73.0 | 170 | 1.39 | 0.49 | 1.94 | 0.34 | 60.2 | 34.6 | 64 | 3.06 | 162.5 |
| R613937 | | 2.84 | <0.01 | 0.06 | 4.23 | 50.5 | 530 | 1.45 | 0.61 | 2.47 | 0.09 | 48.5 | 14.0 | 63 | 2.80 | 76.2 |
| R613938 | | 1.05 | 0.03 | 0.32 | 3.63 | 164.0 | 20 | 1.31 | 3.44 | 1.33 | 0.42 | 43.0 | 90.5 | 57 | 2.45 | 475 |
| R613939 | | <0.02 | 0.02 | 0.33 | 3.86 | 161.5 | 20 | 1.59 | 3.71 | 1.37 | 0.44 | 45.6 | 95.3 | 61 | 2.65 | 473 |
| R613940 | | 9.38 | 0.01 | 0.08 | 4.98 | 37.3 | 260 | 1.63 | 0.78 | 2.25 | 0.07 | 67.6 | 20.0 | 74 | 3.39 | 88.7 |
| R613941 | | 10.00 | 0.02 | 0.14 | 4.35 | 124.5 | 70 | 1.61 | 1.79 | 1.89 | 0.14 | 61.1 | 42.8 | 62 | 2.99 | 199.0 |
| R613942 | | 2.03 | <0.01 | 0.04 | 3.70 | 36.4 | 510 | 1.22 | 0.69 | 2.52 | 0.07 | 48.2 | 11.4 | 50 | 2.60 | 50.1 |
| R613943 | | 0.71 | <0.01 | 0.09 | 4.15 | 113.5 | 220 | 1.48 | 1.27 | 2.75 | 0.15 | 46.0 | 24.0 | 52 | 2.93 | 161.0 |
| R613944 | | 0.82 | 0.03 | 0.28 | 3.37 | 87.7 | 20 | 1.30 | 4.36 | 1.38 | 0.25 | 37.2 | 65.6 | 46 | 2.34 | 477 |
| R613945 | | 6.57 | <0.01 | 0.05 | 3.92 | 11.3 | 1110 | 1.30 | 0.69 | 2.61 | 0.09 | 51.1 | 8.5 | 54 | 2.72 | 53.6 |
| R613946 | | 4.56 | <0.01 | 0.06 | 3.84 | 21.3 | 930 | 1.38 | 0.54 | 2.71 | 0.12 | 47.9 | 15.2 | 47 | 2.88 | 87.1 |
| R613947 | | 0.96 | <0.01 | 0.06 | 3.51 | 45.9 | 520 | 1.18 | 0.27 | 3.28 | 0.20 | 39.6 | 24.5 | 42 | 2.51 | 93.3 |
| R613948 | | 3.59 | 0.01 | 0.05 | 3.30 | 58.6 | 840 | 1.09 | 0.53 | 4.51 | 0.12 | 40.3 | 16.6 | 44 | 2.33 | 50.3 |
| R613949 | | 2.04 | <0.01 | 0.13 | 3.47 | 126.5 | 130 | 1.17 | 1.23 | 3.04 | 0.10 | 44.2 | 40.8 | 44 | 2.51 | 202 |
| R613950 | | 0.26 | 3.43 | 10.35 | 7.25 | 1760 | 130 | 1.69 | 0.51 | 3.06 | 1.21 | 38.6 | 23.6 | 14 | 8.09 | 184.5 |
| R613951 | | 6.50 | <0.01 | 0.08 | 3.75 | 33.3 | 930 | 1.30 | 0.44 | 2.88 | 0.07 | 48.1 | 11.2 | 51 | 2.67 | 61.7 |
| R613952 | | 11.62 | 0.01 | 0.07 | 3.78 | 115.0 | 520 | 1.29 | 0.68 | 2.17 | 0.09 | 45.9 | 24.9 | 48 | 2.73 | 90.5 |
| R613953 | | 6.39 | 0.01 | 0.05 | 3.41 | 9.4 | 960 | 1.14 | 0.61 | 3.43 | 0.12 | 45.0 | 11.7 | 44 | 2.45 | 51.8 |
| R613954 | | 1.40 | 0.01 | 0.10 | 5.60 | 15.3 | 190 | 1.84 | 0.76 | 2.96 | 0.31 | 82.2 | 20.4 | 49 | 4.06 | 113.0 |
| R613955 | | 3.28 | 0.01 | 0.11 | 5.42 | 44.3 | 210 | 1.73 | 0.59 | 6.26 | 0.18 | 77.6 | 23.1 | 47 | 3.33 | 111.5 |
| R613956 | | 4.19 | 0.01 | 3.98 | 5.97 | 13.8 | 970 | 1.76 | 0.50 | 5.58 | 0.11 | 85.7 | 12.7 | 38 | 3.32 | 56.3 |
| R613957 | | 4.82 | 0.01 | 0.09 | 6.93 | 8.4 | 470 | 2.09 | 0.81 | 4.28 | 0.09 | 116.5 | 24.6 | 35 | 3.92 | 92.3 |
| R613958 | | 2.93 | 0.01 | 0.07 | 5.96 | 9.8 | 250 | 1.82 | 0.53 | 5.02 | 0.08 | 80.5 | 19.0 | 39 | 3.85 | 70.6 |
| R613959 | | 4.94 | 0.01 | 0.16 | 6.04 | 27.2 | 130 | 1.90 | 1.19 | 4.03 | 0.06 | 81.2 | 30.8 | 37 | 3.72 | 118.0 |
| R613960 | | 10.58 | 0.01 | 0.03 | 7.56 | 24.9 | 1700 | 2.13 | 0.57 | 2.60 | 0.05 | 129.0 | 16.4 | 42 | 4.36 | 49.7 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227668

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613921 | | 3.29 | 18.90 | 0.19 | 3.5 | 0.064 | 3.33 | 57.3 | 10.0 | 1.37 | 404 | 1.77 | 0.09 | 44.4 | 28.4 | 2190 |
| R613922 | | 3.79 | 17.50 | 0.16 | 3.1 | 0.067 | 3.07 | 54.8 | 9.5 | 1.75 | 530 | 2.11 | 0.09 | 43.3 | 33.1 | 1750 |
| R613923 | | 3.31 | 18.15 | 0.19 | 2.8 | 0.065 | 3.20 | 60.7 | 9.4 | 2.07 | 580 | 0.82 | 0.10 | 47.6 | 35.9 | 1590 |
| R613924 | | 3.02 | 13.90 | 0.15 | 1.7 | 0.049 | 2.45 | 40.1 | 7.4 | 2.22 | 716 | 0.28 | 0.08 | 29.6 | 20.7 | 1210 |
| R613925 | | 3.41 | 17.55 | 0.16 | 2.3 | 0.058 | 3.06 | 54.6 | 8.6 | 2.32 | 694 | 0.64 | 0.10 | 40.5 | 27.0 | 1660 |
| R613926 | | 2.47 | 13.90 | 0.10 | 2.0 | 0.057 | 1.52 | 14.1 | 2.5 | 0.58 | 738 | 5.12 | 3.45 | 5.8 | 5.6 | 440 |
| R613927 | | 3.09 | 16.75 | 0.16 | 2.1 | 0.053 | 3.01 | 55.2 | 8.2 | 2.21 | 691 | 0.45 | 0.10 | 35.8 | 31.8 | 1640 |
| R613928 | | 2.92 | 18.00 | 0.18 | 3.0 | 0.063 | 3.10 | 56.4 | 9.5 | 2.04 | 830 | 1.22 | 0.10 | 43.4 | 39.6 | 1590 |
| R613929 | | 6.21 | 13.95 | 0.15 | 2.7 | 0.049 | 2.38 | 35.0 | 7.8 | 1.20 | 837 | 3.28 | 0.07 | 24.7 | 56.2 | 1470 |
| R613930 | | 3.06 | 9.91 | 0.11 | 2.1 | 0.035 | 2.02 | 27.6 | 5.7 | 1.19 | 457 | 4.84 | 0.06 | 17.2 | 35.5 | 1860 |
| R613931 | | 8.43 | 7.68 | 0.14 | 1.9 | 0.027 | 1.35 | 19.7 | 4.3 | 0.89 | 502 | 10.55 | 0.04 | 12.7 | 119.5 | 850 |
| R613932 | | 0.15 | 0.36 | 0.05 | 0.1 | <0.005 | 0.03 | 1.2 | 1.2 | 1.48 | 94 | 0.07 | 0.06 | 0.2 | 0.6 | 70 |
| R613933 | | 3.51 | 11.10 | 0.12 | 2.6 | 0.035 | 1.92 | 29.5 | 6.1 | 1.12 | 506 | 9.54 | 0.06 | 20.4 | 40.3 | 1570 |
| R613934 | | 5.69 | 9.63 | 0.13 | 2.2 | 0.041 | 1.71 | 27.1 | 5.4 | 1.27 | 639 | 7.42 | 0.05 | 16.8 | 58.8 | 990 |
| R613935 | | 2.95 | 10.55 | 0.11 | 2.3 | 0.036 | 1.84 | 30.9 | 6.1 | 1.19 | 492 | 3.92 | 0.06 | 20.1 | 36.0 | 1190 |
| R613936 | | 3.48 | 11.85 | 0.14 | 2.6 | 0.045 | 2.05 | 31.4 | 6.7 | 0.96 | 391 | 5.75 | 0.06 | 22.9 | 39.6 | 1620 |
| R613937 | | 3.26 | 11.25 | 0.09 | 2.4 | 0.037 | 2.01 | 25.8 | 6.4 | 1.14 | 520 | 8.65 | 0.07 | 21.6 | 43.8 | 1920 |
| R613938 | | 11.20 | 10.05 | 0.15 | 2.1 | 0.038 | 1.72 | 21.8 | 5.7 | 0.67 | 435 | 13.50 | 0.05 | 13.9 | 159.0 | 1590 |
| R613939 | | 11.90 | 10.75 | 0.17 | 2.4 | 0.043 | 1.83 | 22.6 | 6.1 | 0.71 | 466 | 14.70 | 0.06 | 15.3 | 167.0 | 1550 |
| R613940 | | 3.44 | 13.80 | 0.15 | 3.3 | 0.045 | 2.35 | 36.2 | 7.7 | 1.01 | 559 | 7.72 | 0.08 | 27.1 | 60.6 | 2700 |
| R613941 | | 5.56 | 12.15 | 0.14 | 2.3 | 0.041 | 2.07 | 30.8 | 6.9 | 0.86 | 510 | 8.61 | 0.07 | 18.5 | 91.9 | 2620 |
| R613942 | | 2.80 | 10.30 | 0.10 | 2.3 | 0.031 | 1.78 | 25.6 | 6.1 | 1.17 | 506 | 4.05 | 0.06 | 18.2 | 36.0 | 1680 |
| R613943 | | 4.81 | 11.45 | 0.12 | 2.2 | 0.040 | 1.99 | 24.9 | 6.7 | 1.35 | 607 | 8.09 | 0.06 | 16.7 | 61.2 | 1320 |
| R613944 | | 11.15 | 9.21 | 0.15 | 1.9 | 0.032 | 1.58 | 18.5 | 5.3 | 0.79 | 501 | 16.45 | 0.05 | 12.2 | 197.5 | 860 |
| R613945 | | 2.46 | 10.35 | 0.10 | 2.2 | 0.025 | 1.91 | 29.6 | 6.6 | 1.22 | 470 | 5.22 | 0.06 | 19.8 | 32.6 | 1380 |
| R613946 | | 3.39 | 10.25 | 0.10 | 2.1 | 0.029 | 1.80 | 28.3 | 6.7 | 1.26 | 813 | 4.95 | 0.06 | 18.8 | 38.6 | 1230 |
| R613947 | | 4.88 | 8.85 | 0.10 | 2.0 | 0.027 | 1.62 | 23.2 | 5.6 | 1.44 | 1320 | 5.49 | 0.05 | 15.3 | 77.2 | 1210 |
| R613948 | | 3.79 | 8.82 | 0.08 | 1.9 | 0.023 | 1.50 | 23.8 | 5.9 | 2.01 | 930 | 6.70 | 0.05 | 16.3 | 43.3 | 890 |
| R613949 | | 5.89 | 9.46 | 0.11 | 2.2 | 0.026 | 1.63 | 25.7 | 5.6 | 1.38 | 855 | 24.2 | 0.05 | 17.0 | 110.5 | 1050 |
| R613950 | | 6.06 | 16.10 | 0.14 | 1.6 | 0.063 | 2.83 | 20.8 | 41.9 | 1.06 | 1330 | 3.13 | 0.33 | 6.5 | 12.8 | 1750 |
| R613951 | | 2.79 | 10.10 | 0.10 | 2.0 | 0.031 | 1.82 | 28.3 | 6.3 | 1.34 | 592 | 3.36 | 0.06 | 18.4 | 34.2 | 1260 |
| R613952 | | 3.35 | 10.35 | 0.09 | 2.1 | 0.027 | 1.84 | 26.9 | 6.3 | 1.05 | 452 | 4.45 | 0.06 | 17.8 | 45.1 | 1280 |
| R613953 | | 2.80 | 9.46 | 0.12 | 1.9 | 0.027 | 1.62 | 26.7 | 5.8 | 1.56 | 548 | 4.38 | 0.05 | 17.9 | 25.8 | 1100 |
| R613954 | | 4.84 | 15.00 | 0.15 | 2.6 | 0.050 | 2.36 | 47.4 | 8.7 | 1.50 | 501 | 3.42 | 0.08 | 33.6 | 36.5 | 1930 |
| R613955 | | 6.55 | 14.25 | 0.13 | 2.5 | 0.054 | 2.54 | 44.3 | 7.9 | 2.76 | 1050 | 2.30 | 0.09 | 36.1 | 41.7 | 2080 |
| R613956 | | 4.43 | 15.60 | 0.14 | 2.6 | 0.060 | 2.80 | 49.1 | 7.9 | 2.48 | 838 | 3.94 | 0.11 | 46.1 | 33.0 | 1680 |
| R613957 | | 4.65 | 18.70 | 0.17 | 2.5 | 0.061 | 3.24 | 66.4 | 9.0 | 1.98 | 910 | 0.74 | 0.11 | 72.6 | 41.9 | 1440 |
| R613958 | | 5.38 | 16.10 | 0.13 | 2.4 | 0.058 | 2.80 | 45.1 | 8.0 | 2.33 | 1200 | 2.05 | 0.10 | 36.5 | 42.0 | 1380 |
| R613959 | | 5.52 | 15.95 | 0.15 | 2.8 | 0.053 | 2.86 | 44.2 | 7.8 | 1.97 | 852 | 4.90 | 0.10 | 34.3 | 49.0 | 1510 |
| R613960 | | 4.34 | 21.3 | 0.18 | 1.8 | 0.073 | 3.20 | 76.7 | 15.6 | 2.26 | 625 | 0.62 | 0.10 | 79.6 | 32.9 | 1410 |

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

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**Finalized Date: 20-DEC-2020**
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Project: Rau

# CERTIFICATE OF ANALYSIS WH20227668

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613921 | | 3.0 | 140.0 | 0.006 | 1.22 | 0.92 | 15.1 | 2 | 4.8 | 120.5 | 2.38 | 0.05 | 13.15 | 0.678 | 0.73 | 5.3 |
| R613922 | | 3.2 | 130.5 | 0.006 | 1.39 | 0.80 | 13.7 | 2 | 4.6 | 139.5 | 2.39 | 0.06 | 12.35 | 0.594 | 0.65 | 4.2 |
| R613923 | | 3.7 | 135.5 | 0.003 | 1.14 | 0.70 | 13.7 | 2 | 4.6 | 148.0 | 2.57 | <0.05 | 13.50 | 0.642 | 0.67 | 3.0 |
| R613924 | | 3.3 | 101.5 | <0.002 | 0.54 | 0.30 | 11.5 | 1 | 3.6 | 162.5 | 1.59 | <0.05 | 7.71 | 0.498 | 0.52 | 1.8 |
| R613925 | | 3.8 | 129.5 | 0.002 | 0.87 | 0.73 | 13.4 | 2 | 4.3 | 169.5 | 2.20 | <0.05 | 12.15 | 0.630 | 0.65 | 2.4 |
| R613926 | | 124.0 | 32.1 | <0.002 | 0.12 | 14.90 | 7.5 | <1 | 1.1 | 215 | 0.41 | <0.05 | 2.93 | 0.197 | 0.43 | 1.3 |
| R613927 | | 2.8 | 124.5 | 0.004 | 0.61 | 0.44 | 12.8 | 2 | 4.1 | 144.5 | 1.92 | <0.05 | 11.95 | 0.593 | 0.61 | 4.5 |
| R613928 | | 3.7 | 133.0 | 0.007 | 0.71 | 0.56 | 14.0 | 1 | 4.2 | 146.0 | 2.36 | <0.05 | 12.95 | 0.619 | 0.66 | 5.9 |
| R613929 | | 6.1 | 104.0 | 0.009 | 3.29 | 1.44 | 11.7 | 3 | 3.3 | 80.4 | 1.37 | 0.09 | 7.81 | 0.402 | 0.59 | 6.7 |
| R613930 | | 4.0 | 73.8 | 0.014 | 1.43 | 0.63 | 8.0 | 2 | 2.2 | 67.0 | 0.99 | 0.05 | 5.87 | 0.334 | 0.39 | 3.9 |
| R613931 | | 6.5 | 57.3 | 0.031 | 5.17 | 1.06 | 6.5 | 7 | 1.8 | 47.9 | 0.74 | 0.13 | 4.88 | 0.204 | 0.32 | 4.1 |
| R613932 | | 0.6 | 0.9 | <0.002 | 0.02 | 0.07 | 0.2 | 2 | <0.2 | 88.6 | <0.05 | <0.05 | 0.11 | <0.005 | <0.02 | 0.2 |
| R613933 | | 3.7 | 82.5 | 0.028 | 1.58 | 0.99 | 9.1 | 3 | 2.6 | 72.6 | 1.23 | 0.06 | 6.33 | 0.329 | 0.45 | 5.2 |
| R613934 | | 7.8 | 72.9 | 0.020 | 2.98 | 1.67 | 8.2 | 4 | 2.3 | 70.3 | 0.97 | 0.12 | 5.81 | 0.283 | 0.40 | 4.5 |
| R613935 | | 4.2 | 78.5 | 0.012 | 1.29 | 1.59 | 8.7 | 2 | 2.4 | 69.4 | 1.17 | 0.08 | 5.89 | 0.334 | 0.41 | 4.3 |
| R613936 | | 2.9 | 88.2 | 0.017 | 2.41 | 2.14 | 9.8 | 3 | 2.6 | 61.0 | 1.33 | 0.06 | 6.86 | 0.365 | 0.57 | 5.1 |
| R613937 | | 4.3 | 85.2 | 0.023 | 1.44 | 0.93 | 9.5 | 2 | 2.5 | 73.1 | 1.25 | 0.07 | 6.33 | 0.375 | 0.45 | 6.1 |
| R613938 | | 13.7 | 76.0 | 0.021 | 7.46 | 2.81 | 8.4 | 9 | 2.1 | 41.7 | 0.79 | 0.32 | 4.99 | 0.228 | 0.40 | 5.1 |
| R613939 | | 14.6 | 79.9 | 0.024 | 7.87 | 2.95 | 9.0 | 11 | 2.2 | 44.0 | 0.88 | 0.33 | 5.33 | 0.248 | 0.45 | 5.4 |
| R613940 | | 4.2 | 101.5 | 0.021 | 2.04 | 2.75 | 11.6 | 2 | 2.9 | 74.3 | 1.60 | 0.08 | 7.94 | 0.440 | 0.51 | 8.6 |
| R613941 | | 6.9 | 89.9 | 0.019 | 3.30 | 1.20 | 10.2 | 5 | 2.5 | 63.9 | 1.05 | 0.17 | 6.07 | 0.302 | 0.47 | 6.5 |
| R613942 | | 3.3 | 75.3 | 0.011 | 1.14 | 0.86 | 8.5 | 2 | 2.2 | 78.7 | 1.13 | 0.05 | 5.59 | 0.299 | 0.39 | 4.4 |
| R613943 | | 6.2 | 85.5 | 0.015 | 2.19 | 0.84 | 9.7 | 4 | 2.4 | 76.1 | 0.98 | 0.12 | 5.47 | 0.303 | 0.43 | 5.1 |
| R613944 | | 13.8 | 69.3 | 0.019 | 7.18 | 1.77 | 7.8 | 9 | 2.0 | 40.0 | 0.70 | 0.26 | 4.57 | 0.217 | 0.36 | 4.8 |
| R613945 | | 6.1 | 81.0 | 0.016 | 0.94 | 1.25 | 8.8 | 1 | 2.3 | 76.8 | 1.12 | 0.06 | 6.35 | 0.353 | 0.42 | 4.7 |
| R613946 | | 4.7 | 79.0 | 0.016 | 1.43 | 5.82 | 8.6 | 2 | 2.3 | 71.8 | 1.02 | 0.06 | 6.14 | 0.312 | 0.47 | 6.9 |
| R613947 | | 4.4 | 69.2 | 0.015 | 2.20 | 6.72 | 7.7 | 2 | 2.1 | 76.6 | 0.84 | 0.05 | 5.39 | 0.266 | 0.47 | 8.4 |
| R613948 | | 5.5 | 66.2 | 0.019 | 1.33 | 5.68 | 7.3 | 2 | 2.0 | 115.5 | 0.90 | 0.07 | 5.57 | 0.267 | 0.51 | 6.4 |
| R613949 | | 6.7 | 73.4 | 0.017 | 3.91 | 2.14 | 8.0 | 4 | 2.1 | 82.1 | 0.92 | 0.13 | 5.82 | 0.269 | 0.42 | 6.3 |
| R613950 | | 34.7 | 121.5 | <0.002 | 4.03 | 25.4 | 23.3 | 15 | 1.8 | 181.5 | 0.34 | 0.11 | 4.41 | 0.401 | 2.13 | 2.1 |
| R613951 | | 4.6 | 79.4 | 0.011 | 1.13 | 0.96 | 8.5 | 2 | 2.2 | 80.4 | 0.99 | <0.05 | 5.84 | 0.317 | 0.42 | 4.4 |
| R613952 | | 4.3 | 81.0 | 0.011 | 1.70 | 0.84 | 8.7 | 2 | 2.3 | 64.8 | 0.97 | 0.07 | 5.72 | 0.308 | 0.43 | 4.5 |
| R613953 | | 4.6 | 73.2 | 0.013 | 1.13 | 0.88 | 7.9 | 2 | 2.2 | 95.2 | 0.98 | 0.05 | 5.71 | 0.291 | 0.38 | 3.8 |
| R613954 | | 10.1 | 103.5 | 0.009 | 2.42 | 3.47 | 12.9 | 2 | 3.5 | 92.1 | 1.69 | 0.06 | 9.81 | 0.500 | 0.56 | 7.4 |
| R613955 | | 8.5 | 110.5 | 0.005 | 2.75 | 3.74 | 13.0 | 3 | 3.6 | 205 | 1.78 | 0.06 | 8.52 | 0.518 | 0.61 | 7.5 |
| R613956 | | 3.5 | 119.0 | 0.004 | 1.51 | 0.79 | 13.5 | 1 | 3.7 | 212 | 2.35 | <0.05 | 10.80 | 0.626 | 0.62 | 5.5 |
| R613957 | | 3.5 | 139.5 | 0.002 | 2.10 | 0.87 | 14.6 | 2 | 4.2 | 164.0 | 3.62 | 0.05 | 13.10 | 0.645 | 0.69 | 5.0 |
| R613958 | | 3.9 | 120.5 | 0.003 | 2.20 | 1.07 | 13.1 | 1 | 3.7 | 138.5 | 1.86 | <0.05 | 9.87 | 0.541 | 0.59 | 6.3 |
| R613959 | | 3.9 | 123.5 | 0.003 | 3.42 | 1.89 | 13.3 | 3 | 4.1 | 114.0 | 1.74 | <0.05 | 10.40 | 0.531 | 0.65 | 5.4 |
| R613960 | | 2.8 | 138.0 | <0.002 | 1.24 | 0.86 | 15.3 | 1 | 5.3 | 93.3 | 3.93 | <0.05 | 14.35 | 0.697 | 0.72 | 3.3 |

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

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


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227668

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613921 | | 173 | 1.6 | 16.9 | 14 | 150.5 |
| R613922 | | 154 | 1.4 | 16.6 | 17 | 132.5 |
| R613923 | | 125 | 1.5 | 15.6 | 19 | 121.5 |
| R613924 | | 91 | 1.2 | 10.8 | 25 | 72.7 |
| R613925 | | 114 | 1.4 | 14.5 | 21 | 95.7 |
| R613926 | | 40 | 10.0 | 17.8 | 210 | 64.5 |
| R613927 | | 105 | 1.4 | 14.8 | 24 | 89.3 |
| R613928 | | 121 | 1.5 | 15.3 | 40 | 130.5 |
| R613929 | | 149 | 1.3 | 10.9 | 29 | 112.0 |
| R613930 | | 150 | 1.0 | 8.5 | 18 | 83.1 |
| R613931 | | 125 | 0.8 | 7.2 | 16 | 79.5 |
| R613932 | | 1 | <0.1 | 2.2 | 4 | 2.1 |
| R613933 | | 154 | 1.2 | 9.4 | 16 | 102.5 |
| R613934 | | 124 | 1.2 | 8.0 | 22 | 90.4 |
| R613935 | | 129 | 1.2 | 8.5 | 37 | 92.8 |
| R613936 | | 150 | 1.3 | 10.5 | 53 | 101.5 |
| R613937 | | 159 | 1.2 | 10.0 | 21 | 100.0 |
| R613938 | | 137 | 1.0 | 9.2 | 52 | 90.0 |
| R613939 | | 146 | 1.1 | 10.1 | 54 | 97.2 |
| R613940 | | 180 | 1.5 | 12.8 | 28 | 131.0 |
| R613941 | | 157 | 1.1 | 11.6 | 29 | 96.1 |
| R613942 | | 128 | 1.0 | 9.4 | 17 | 90.3 |
| R613943 | | 161 | 1.0 | 8.3 | 26 | 90.3 |
| R613944 | | 132 | 0.9 | 7.3 | 30 | 82.0 |
| R613945 | | 139 | 1.1 | 9.4 | 18 | 88.8 |
| R613946 | | 135 | 1.2 | 8.9 | 33 | 104.0 |
| R613947 | | 129 | 1.1 | 9.4 | 55 | 97.0 |
| R613948 | | 125 | 1.2 | 7.6 | 26 | 91.9 |
| R613949 | | 117 | 1.0 | 8.7 | 34 | 95.7 |
| R613950 | | 192 | 1.9 | 16.4 | 149 | 63.4 |
| R613951 | | 121 | 1.0 | 8.5 | 24 | 84.1 |
| R613952 | | 119 | 1.0 | 8.5 | 19 | 88.5 |
| R613953 | | 121 | 0.9 | 8.1 | 21 | 77.4 |
| R613954 | | 156 | 1.9 | 13.7 | 40 | 126.5 |
| R613955 | | 129 | 1.4 | 17.0 | 27 | 107.5 |
| R613956 | | 121 | 5.7 | 17.2 | 20 | 119.5 |
| R613957 | | 112 | 1.3 | 17.2 | 23 | 114.5 |
| R613958 | | 110 | 1.3 | 12.8 | 24 | 105.5 |
| R613959 | | 115 | 1.5 | 13.7 | 18 | 121.5 |
| R613960 | | 118 | 1.3 | 16.0 | 37 | 85.2 |

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

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

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227668

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20218117

Project: Rau

P.O. No.: R20-D39

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218117

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233721 | | 1.90 | 0.02 | 0.03 | 8.76 | 4.6 | 1090 | 2.68 | 3.19 | 0.99 | 0.03 | 123.0 | 23.1 | 73 | 7.77 | 119.5 |
| W233722 | | 1.19 | 0.03 | 0.07 | 8.59 | 22.6 | 780 | 2.68 | 1.21 | 1.08 | 0.04 | 106.0 | 26.2 | 66 | 6.17 | 188.5 |
| W233723 | | 4.14 | 0.01 | 0.03 | 9.39 | 22.2 | 2090 | 2.90 | 2.07 | 0.77 | 0.03 | 123.0 | 18.7 | 74 | 7.63 | 93.6 |
| W233724 | | 1.10 | 0.02 | 0.08 | 8.93 | 24.1 | 750 | 2.74 | 2.37 | 0.75 | 0.02 | 97.9 | 26.8 | 70 | 6.40 | 158.5 |
| W233725 | | 5.58 | 0.01 | 0.04 | 8.46 | 36.0 | 1870 | 2.73 | 1.76 | 1.06 | 0.04 | 112.5 | 17.7 | 66 | 6.70 | 91.2 |
| W233726 | | <0.02 | 0.04 | 0.03 | 8.79 | 21.3 | 1940 | 2.81 | 1.83 | 1.08 | 0.03 | 114.0 | 17.5 | 70 | 7.06 | 84.3 |
| W233727 | | 5.77 | 0.01 | 0.04 | 7.93 | 39.1 | 700 | 2.51 | 1.97 | 1.64 | 0.06 | 102.5 | 26.1 | 62 | 5.12 | 128.5 |
| W233728 | | 2.51 | 0.01 | 0.03 | 7.90 | 33.0 | 1560 | 2.29 | 1.64 | 1.31 | 0.04 | 102.5 | 17.6 | 65 | 4.66 | 73.9 |
| W233729 | | 4.26 | 0.02 | 0.09 | 7.55 | 43.9 | 910 | 2.20 | 2.24 | 1.64 | 0.04 | 98.1 | 24.6 | 65 | 4.74 | 133.0 |
| W233730 | | 1.04 | 0.09 | 0.09 | 6.99 | 56.2 | 210 | 1.98 | 1.53 | 2.64 | 0.06 | 87.8 | 42.5 | 62 | 4.11 | 74.2 |
| W233731 | | 2.08 | <0.01 | <0.01 | 0.13 | <0.2 | 20 | 0.06 | 0.02 | 34.3 | <0.02 | 1.06 | 0.5 | 1 | <0.05 | 1.7 |
| W233732 | | 6.99 | 0.02 | 0.07 | 7.16 | 31.6 | 670 | 1.80 | 2.08 | 1.35 | 0.03 | 99.2 | 30.1 | 55 | 4.96 | 103.5 |
| W233733 | | 5.56 | 0.02 | 0.08 | 7.74 | 39.9 | 1700 | 2.09 | 1.03 | 1.55 | 0.07 | 96.3 | 22.3 | 61 | 5.25 | 56.6 |
| W233734 | | 5.91 | 0.02 | 0.05 | 8.06 | 74.1 | 1610 | 2.10 | 0.89 | 1.80 | 0.08 | 105.5 | 38.1 | 52 | 4.78 | 104.5 |
| W233735 | | 6.13 | 0.03 | 0.08 | 7.41 | 39.3 | 840 | 1.63 | 0.85 | 1.29 | 0.11 | 104.5 | 33.9 | 49 | 2.69 | 107.5 |
| W233736 | | 5.82 | 0.05 | 0.07 | 6.53 | 29.7 | 670 | 1.31 | 0.51 | 1.32 | 0.05 | 95.0 | 25.2 | 45 | 1.86 | 79.1 |
| W233737 | | 2.65 | 0.01 | 0.14 | 8.82 | 39.1 | 1690 | 2.40 | 0.66 | 1.01 | 0.05 | 149.5 | 28.2 | 61 | 4.33 | 181.5 |
| W233738 | | 0.16 | 0.67 | 1.50 | 7.16 | 28.7 | 850 | 1.14 | 0.16 | 1.83 | 1.12 | 26.6 | 4.9 | 13 | 0.38 | 45.3 |
| W233739 | | 1.84 | 0.06 | 0.06 | 9.64 | 51.5 | 1960 | 2.56 | 0.56 | 1.24 | 0.04 | 148.5 | 22.3 | 65 | 4.51 | 82.3 |
| W233740 | | 7.80 | <0.01 | 0.03 | 7.67 | 14.4 | 1540 | 2.46 | 0.50 | 1.98 | 0.06 | 101.0 | 14.0 | 62 | 6.43 | 58.4 |
| W233741 | | 10.84 | 0.01 | 0.09 | 7.93 | 22.8 | 1570 | 2.22 | 1.10 | 1.61 | 0.09 | 99.0 | 24.8 | 66 | 6.66 | 107.0 |
| W233742 | | 1.06 | 0.01 | 0.06 | 6.73 | 45.2 | 1320 | 1.89 | 0.72 | 1.93 | 0.13 | 73.5 | 15.3 | 59 | 7.14 | 75.1 |
| W233743 | | 6.33 | 0.01 | 0.08 | 7.92 | 25.1 | 1460 | 2.52 | 0.46 | 1.44 | 0.06 | 104.5 | 16.4 | 63 | 5.54 | 40.2 |
| W233744 | | 0.85 | 0.04 | 0.37 | 6.74 | 59.2 | 130 | 1.90 | 4.74 | 2.05 | 0.14 | 92.8 | 69.2 | 57 | 4.04 | 477 |
| W233745 | | 1.82 | 0.01 | 0.13 | 8.08 | 58.4 | 1490 | 2.50 | 2.19 | 1.72 | 0.13 | 105.0 | 25.9 | 70 | 5.68 | 117.0 |
| W233746 | | 1.83 | 0.02 | 0.12 | 8.03 | 38.9 | 1510 | 2.27 | 1.96 | 1.81 | 0.10 | 95.3 | 28.8 | 67 | 5.36 | 106.0 |
| W233747 | | 1.93 | 0.02 | 0.15 | 7.46 | 58.5 | 1290 | 2.36 | 1.67 | 2.13 | 0.06 | 91.9 | 27.1 | 65 | 5.05 | 93.0 |
| W233748 | | 6.13 | 0.01 | 0.12 | 8.25 | 14.1 | 1620 | 2.58 | 0.88 | 1.42 | 0.15 | 108.5 | 15.4 | 66 | 6.42 | 66.9 |
| W233749 | | 3.86 | 0.01 | 0.16 | 7.76 | 23.8 | 1430 | 2.09 | 1.20 | 1.65 | 0.06 | 101.0 | 22.5 | 63 | 5.26 | 93.0 |
| W233750 | | 2.33 | 0.03 | 0.29 | 6.99 | 15.7 | 310 | 2.14 | 4.03 | 2.00 | 0.09 | 93.9 | 42.7 | 57 | 5.10 | 456 |
| W233751 | | 5.81 | 0.02 | 0.12 | 7.85 | 24.4 | 1240 | 2.27 | 2.61 | 1.95 | 0.11 | 93.2 | 30.7 | 65 | 6.37 | 174.0 |
| W233752 | | 5.88 | 0.02 | 0.27 | 7.11 | 33.7 | 420 | 1.83 | 2.64 | 2.03 | 0.11 | 85.0 | 33.2 | 64 | 6.88 | 186.5 |
| W233753 | | 0.16 | 1.49 | 61.7 | 7.33 | 29.7 | 4500 | 0.92 | 0.12 | 1.96 | 15.85 | 27.3 | 5.0 | 18 | 0.41 | 220 |
| W233754 | | 6.39 | 0.01 | 0.15 | 7.68 | 5.0 | 630 | 2.27 | 2.30 | 1.32 | 0.10 | 101.5 | 29.2 | 56 | 8.27 | 144.0 |
| W233755 | | 2.44 | 0.01 | 0.09 | 8.01 | 10.3 | 1580 | 2.26 | 1.37 | 1.09 | 0.07 | 117.5 | 18.4 | 54 | 8.81 | 90.3 |
| W233756 | | 4.05 | 0.02 | 0.06 | 8.53 | 4.5 | 1890 | 2.37 | 0.56 | 0.93 | 0.07 | 123.0 | 10.6 | 55 | 8.00 | 36.4 |
| W233757 | | 2.91 | 0.06 | 0.05 | 9.07 | 8.3 | 2200 | 2.46 | 0.56 | 1.20 | 0.12 | 124.0 | 13.2 | 54 | 15.95 | 48.6 |
| W233758 | | 6.42 | 0.04 | 0.04 | 7.89 | 97.5 | 2010 | 1.94 | 0.45 | 1.40 | 0.13 | 108.0 | 15.9 | 51 | 15.85 | 36.5 |
| W233759 | | 1.46 | 0.27 | 0.10 | 5.93 | 139.5 | 580 | 1.62 | 0.85 | 8.31 | 0.09 | 98.3 | 21.1 | 38 | 7.31 | 107.5 |
| W233760 | | 2.66 | 1.97 | 0.26 | 5.26 | >10000 | 40 | 1.53 | 4.32 | 2.15 | 0.29 | 125.0 | 197.0 | 28 | 4.88 | 634 |

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

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**Finalized Date: 4-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218117

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233721 | | 7.24 | 21.8 | 0.19 | 4.5 | 0.086 | 3.39 | 64.8 | 20.6 | 2.18 | 375 | 4.25 | 0.16 | 44.5 | 53.3 | 2720 |
| W233722 | | 7.13 | 21.3 | 0.19 | 4.1 | 0.096 | 3.23 | 55.6 | 20.1 | 2.01 | 503 | 3.24 | 0.17 | 43.1 | 48.5 | 2150 |
| W233723 | | 6.90 | 23.3 | 0.20 | 4.5 | 0.103 | 3.56 | 65.4 | 22.4 | 2.09 | 320 | 2.72 | 0.22 | 51.4 | 42.9 | 3230 |
| W233724 | | 7.64 | 22.1 | 0.18 | 4.1 | 0.095 | 3.28 | 52.4 | 18.5 | 1.90 | 352 | 2.58 | 0.22 | 42.7 | 59.0 | 2270 |
| W233725 | | 6.17 | 21.1 | 0.19 | 4.1 | 0.083 | 3.22 | 60.1 | 18.9 | 1.93 | 384 | 1.85 | 0.17 | 42.4 | 33.8 | 3130 |
| W233726 | | 6.39 | 22.4 | 0.20 | 4.5 | 0.089 | 3.35 | 62.9 | 19.7 | 2.00 | 399 | 1.98 | 0.18 | 45.2 | 36.1 | 3110 |
| W233727 | | 6.59 | 19.70 | 0.19 | 3.6 | 0.079 | 2.95 | 54.6 | 16.1 | 1.91 | 567 | 2.31 | 0.14 | 39.6 | 43.4 | 2980 |
| W233728 | | 5.86 | 19.05 | 0.19 | 4.1 | 0.086 | 3.04 | 54.3 | 14.9 | 1.76 | 544 | 1.93 | 0.14 | 39.2 | 46.2 | 2660 |
| W233729 | | 6.29 | 18.70 | 0.17 | 3.7 | 0.091 | 3.18 | 53.0 | 12.0 | 1.78 | 657 | 5.09 | 0.13 | 32.9 | 51.7 | 2860 |
| W233730 | | 6.95 | 17.50 | 0.17 | 3.6 | 0.111 | 3.01 | 44.7 | 10.3 | 1.64 | 914 | 2.39 | 0.12 | 30.7 | 40.2 | 2330 |
| W233731 | | 0.10 | 0.40 | 0.13 | 0.1 | <0.005 | 0.03 | 1.1 | 1.1 | 1.42 | 95 | <0.05 | 0.06 | 0.2 | 0.2 | 70 |
| W233732 | | 7.05 | 17.45 | 0.16 | 2.8 | 0.076 | 2.79 | 52.5 | 12.9 | 1.86 | 523 | 3.81 | 0.12 | 36.5 | 48.4 | 2580 |
| W233733 | | 5.88 | 19.50 | 0.17 | 3.2 | 0.087 | 3.14 | 51.9 | 13.8 | 1.89 | 669 | 2.16 | 0.13 | 36.4 | 38.6 | 1660 |
| W233734 | | 6.69 | 19.65 | 0.15 | 2.5 | 0.095 | 2.77 | 54.6 | 18.8 | 2.09 | 671 | 0.77 | 0.13 | 40.9 | 43.7 | 1880 |
| W233735 | | 10.30 | 19.15 | 0.15 | 1.7 | 0.076 | 1.41 | 55.1 | 30.1 | 2.93 | 638 | 0.32 | 0.08 | 42.0 | 57.0 | 2000 |
| W233736 | | 9.90 | 18.10 | 0.18 | 1.3 | 0.077 | 1.11 | 53.8 | 23.5 | 2.67 | 737 | 0.91 | 0.08 | 39.8 | 50.7 | 1760 |
| W233737 | | 7.32 | 24.3 | 0.22 | 3.4 | 0.100 | 2.65 | 81.5 | 20.5 | 1.88 | 392 | 1.47 | 0.52 | 83.6 | 44.2 | 2060 |
| W233738 | | 2.42 | 14.10 | 0.15 | 2.0 | 0.061 | 1.52 | 13.8 | 2.2 | 0.59 | 738 | 4.98 | 3.45 | 6.2 | 6.1 | 420 |
| W233739 | | 5.48 | 27.0 | 0.27 | 2.7 | 0.098 | 3.23 | 80.5 | 23.5 | 1.72 | 475 | 0.64 | 0.54 | 54.7 | 27.9 | 2170 |
| W233740 | | 5.85 | 21.1 | 0.22 | 3.7 | 0.081 | 2.73 | 56.2 | 19.9 | 2.17 | 678 | 0.47 | 0.55 | 38.0 | 34.7 | 1770 |
| W233741 | | 6.59 | 21.0 | 0.20 | 3.5 | 0.075 | 2.79 | 54.5 | 19.8 | 2.17 | 513 | 1.71 | 0.47 | 36.1 | 52.9 | 1730 |
| W233742 | | 5.89 | 17.60 | 0.17 | 3.1 | 0.065 | 2.46 | 40.9 | 17.6 | 2.15 | 531 | 2.02 | 0.54 | 29.2 | 36.0 | 1400 |
| W233743 | | 5.98 | 21.9 | 0.21 | 3.6 | 0.088 | 2.66 | 57.5 | 23.1 | 2.11 | 519 | 1.02 | 0.44 | 40.0 | 36.7 | 1790 |
| W233744 | | 11.25 | 17.85 | 0.21 | 3.5 | 0.081 | 2.24 | 49.8 | 16.7 | 1.74 | 656 | 2.12 | 0.46 | 37.4 | 116.5 | 2300 |
| W233745 | | 6.88 | 22.2 | 0.20 | 4.2 | 0.095 | 2.87 | 56.9 | 22.9 | 2.05 | 541 | 4.64 | 0.33 | 41.6 | 58.5 | 2350 |
| W233746 | | 6.71 | 20.9 | 0.19 | 3.8 | 0.090 | 2.86 | 53.0 | 21.3 | 2.00 | 577 | 3.65 | 0.29 | 40.0 | 53.2 | 2210 |
| W233747 | | 5.74 | 20.3 | 0.20 | 3.8 | 0.099 | 2.97 | 51.5 | 16.1 | 1.74 | 730 | 6.89 | 0.20 | 35.5 | 44.2 | 2730 |
| W233748 | | 5.98 | 22.7 | 0.23 | 3.8 | 0.101 | 3.10 | 60.9 | 20.4 | 2.03 | 590 | 1.10 | 0.35 | 41.3 | 46.4 | 1890 |
| W233749 | | 5.96 | 21.5 | 0.19 | 3.8 | 0.090 | 2.78 | 55.8 | 20.7 | 1.87 | 562 | 1.23 | 0.25 | 36.6 | 47.2 | 1720 |
| W233750 | | 8.08 | 19.80 | 0.22 | 3.6 | 0.095 | 2.55 | 52.0 | 19.3 | 1.70 | 565 | 5.54 | 0.44 | 35.0 | 63.6 | 3400 |
| W233751 | | 6.75 | 21.7 | 0.22 | 4.0 | 0.085 | 2.94 | 52.7 | 19.0 | 1.98 | 564 | 5.36 | 0.47 | 39.1 | 49.1 | 2650 |
| W233752 | | 7.00 | 19.05 | 0.19 | 3.4 | 0.062 | 2.85 | 47.0 | 20.7 | 2.04 | 548 | 6.66 | 0.35 | 35.3 | 53.0 | 2610 |
| W233753 | | 2.63 | 13.90 | 0.13 | 2.0 | 0.045 | 1.53 | 15.3 | 2.6 | 0.59 | 750 | 7.05 | 3.38 | 5.8 | 8.6 | 520 |
| W233754 | | 7.55 | 21.2 | 0.23 | 3.6 | 0.066 | 2.99 | 54.9 | 21.3 | 1.96 | 621 | 2.58 | 0.40 | 44.0 | 49.4 | 2380 |
| W233755 | | 7.14 | 22.1 | 0.23 | 3.4 | 0.072 | 3.13 | 63.3 | 21.8 | 2.16 | 735 | 1.93 | 0.37 | 54.2 | 41.2 | 2310 |
| W233756 | | 6.22 | 23.7 | 0.26 | 2.3 | 0.084 | 3.59 | 67.3 | 19.6 | 2.13 | 791 | 0.45 | 0.37 | 59.9 | 36.6 | 2240 |
| W233757 | | 7.86 | 25.2 | 0.26 | 3.0 | 0.085 | 4.34 | 66.0 | 25.0 | 2.63 | 1050 | 0.51 | 0.20 | 58.4 | 47.5 | 2420 |
| W233758 | | 7.91 | 22.1 | 0.24 | 1.8 | 0.071 | 3.87 | 62.0 | 24.3 | 2.62 | 1120 | 0.46 | 0.22 | 48.8 | 39.9 | 2060 |
| W233759 | | 5.80 | 16.90 | 0.21 | 2.5 | 0.044 | 2.44 | 57.3 | 16.8 | 2.03 | 1060 | 0.77 | 0.07 | 32.7 | 33.0 | 1570 |
| W233760 | | 20.1 | 14.00 | 0.23 | 1.2 | 0.036 | 1.60 | 72.5 | 18.3 | 1.69 | 458 | 0.39 | 0.12 | 20.9 | 98.5 | 1560 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218117

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233721 | | 5.0 | 167.5 | 0.011 | 1.32 | 1.39 | 20.7 | 4 | 7.9 | 57.6 | 2.45 | 0.15 | 13.00 | 0.916 | 1.01 | 5.7 |
| W233722 | | 4.2 | 147.0 | 0.008 | 1.56 | 1.16 | 21.1 | 4 | 7.9 | 61.2 | 2.32 | 0.09 | 11.45 | 0.874 | 0.78 | 4.9 |
| W233723 | | 5.2 | 165.0 | 0.012 | 1.18 | 1.54 | 22.4 | 3 | 8.3 | 60.7 | 2.67 | 0.13 | 13.15 | 1.025 | 0.99 | 6.0 |
| W233724 | | 5.2 | 151.5 | 0.009 | 1.76 | 1.42 | 20.8 | 4 | 7.4 | 64.5 | 2.30 | 0.15 | 12.45 | 0.870 | 0.82 | 5.7 |
| W233725 | | 4.1 | 155.5 | 0.009 | 1.02 | 1.46 | 19.9 | 2 | 7.6 | 65.4 | 2.26 | 0.10 | 12.10 | 0.854 | 0.97 | 5.4 |
| W233726 | | 4.2 | 167.0 | 0.010 | 1.06 | 1.48 | 20.9 | 3 | 8.2 | 67.7 | 2.38 | 0.12 | 12.50 | 0.891 | 0.99 | 5.8 |
| W233727 | | 3.5 | 137.5 | 0.007 | 1.36 | 1.11 | 19.0 | 3 | 8.3 | 64.2 | 2.07 | 0.11 | 11.00 | 0.788 | 0.79 | 4.9 |
| W233728 | | 3.2 | 141.5 | 0.010 | 0.98 | 1.61 | 16.7 | 2 | 8.8 | 52.2 | 2.13 | 0.09 | 11.00 | 0.776 | 0.74 | 5.4 |
| W233729 | | 3.7 | 153.5 | 0.011 | 1.35 | 1.70 | 16.2 | 2 | 8.6 | 56.4 | 1.71 | 0.14 | 10.40 | 0.658 | 0.81 | 5.5 |
| W233730 | | 4.9 | 144.0 | 0.010 | 2.80 | 5.13 | 15.2 | 4 | 9.8 | 55.6 | 1.43 | 0.09 | 10.10 | 0.510 | 0.68 | 5.4 |
| W233731 | | 0.8 | 1.0 | <0.002 | 0.01 | 0.05 | 0.2 | 1 | <0.2 | 83.1 | <0.05 | <0.05 | 0.10 | 0.005 | 0.02 | 0.4 |
| W233732 | | 3.8 | 135.0 | 0.008 | 1.29 | 1.21 | 15.3 | 3 | 7.3 | 52.1 | 1.88 | 0.11 | 9.84 | 0.706 | 0.75 | 4.2 |
| W233733 | | 5.4 | 152.5 | 0.008 | 0.64 | 1.26 | 17.9 | 2 | 7.0 | 53.8 | 1.91 | 0.08 | 10.60 | 0.743 | 0.78 | 3.4 |
| W233734 | | 4.0 | 128.0 | 0.006 | 0.93 | 1.07 | 20.7 | 2 | 6.2 | 58.8 | 2.05 | 0.08 | 10.45 | 0.831 | 0.70 | 2.7 |
| W233735 | | 10.8 | 67.7 | 0.003 | 0.87 | 1.41 | 16.0 | 2 | 3.9 | 44.5 | 2.17 | 0.07 | 9.89 | 0.769 | 0.39 | 1.4 |
| W233736 | | 7.1 | 52.2 | 0.002 | 0.61 | 1.56 | 13.3 | 1 | 3.0 | 45.0 | 2.24 | 0.08 | 9.85 | 0.678 | 0.30 | 1.4 |
| W233737 | | 9.1 | 114.5 | 0.003 | 0.86 | 1.06 | 19.4 | 1 | 5.5 | 82.1 | 4.62 | 0.09 | 16.15 | 1.070 | 0.62 | 3.2 |
| W233738 | | 127.0 | 32.1 | 0.002 | 0.12 | 15.40 | 7.3 | <1 | 1.2 | 210 | 0.42 | <0.05 | 3.08 | 0.204 | 0.46 | 1.3 |
| W233739 | | 10.4 | 136.5 | 0.002 | 0.62 | 1.65 | 20.8 | 1 | 7.3 | 82.8 | 2.86 | 0.11 | 14.35 | 0.990 | 0.66 | 2.7 |
| W233740 | | 5.5 | 136.5 | 0.004 | 0.40 | 1.25 | 17.4 | 1 | 4.0 | 74.4 | 2.04 | 0.06 | 12.80 | 0.737 | 0.78 | 3.4 |
| W233741 | | 5.6 | 136.0 | 0.007 | 0.69 | 1.55 | 17.4 | 2 | 3.8 | 65.2 | 1.98 | 0.11 | 12.55 | 0.756 | 0.72 | 4.3 |
| W233742 | | 7.6 | 132.5 | 0.005 | 0.65 | 1.26 | 14.2 | 2 | 4.8 | 70.8 | 1.59 | 0.07 | 10.05 | 0.607 | 0.76 | 4.0 |
| W233743 | | 6.1 | 131.0 | 0.007 | 0.30 | 1.59 | 19.0 | 1 | 4.0 | 65.2 | 2.20 | 0.05 | 12.65 | 0.774 | 0.67 | 4.1 |
| W233744 | | 11.9 | 105.0 | 0.008 | 3.25 | 2.02 | 15.8 | 10 | 3.3 | 70.2 | 2.02 | 0.37 | 10.10 | 0.708 | 0.56 | 5.0 |
| W233745 | | 8.9 | 144.5 | 0.007 | 0.95 | 2.44 | 19.6 | 3 | 4.7 | 59.6 | 2.29 | 0.17 | 12.25 | 0.823 | 0.68 | 5.7 |
| W233746 | | 8.5 | 137.0 | 0.012 | 0.92 | 2.60 | 18.2 | 3 | 4.7 | 57.5 | 2.19 | 0.15 | 11.75 | 0.825 | 0.63 | 5.3 |
| W233747 | | 4.5 | 148.5 | 0.012 | 1.16 | 2.84 | 17.8 | 3 | 5.4 | 61.6 | 1.95 | 0.13 | 11.45 | 0.682 | 0.71 | 5.4 |
| W233748 | | 5.8 | 161.0 | 0.007 | 0.50 | 2.15 | 19.7 | 1 | 7.4 | 60.5 | 2.24 | 0.07 | 12.75 | 0.807 | 0.83 | 4.9 |
| W233749 | | 6.4 | 141.0 | 0.012 | 0.78 | 1.84 | 18.4 | 2 | 10.1 | 58.2 | 1.97 | 0.10 | 12.40 | 0.696 | 0.67 | 4.9 |
| W233750 | | 7.6 | 132.0 | 0.015 | 2.10 | 2.18 | 17.2 | 5 | 4.3 | 70.2 | 1.87 | 0.24 | 10.40 | 0.673 | 0.64 | 5.9 |
| W233751 | | 7.8 | 146.5 | 0.006 | 1.36 | 1.67 | 19.0 | 3 | 3.9 | 77.2 | 2.18 | 0.20 | 11.75 | 0.806 | 0.77 | 6.1 |
| W233752 | | 7.8 | 137.0 | 0.012 | 1.81 | 1.98 | 16.6 | 3 | 4.2 | 67.6 | 1.86 | 0.16 | 10.40 | 0.743 | 0.83 | 6.3 |
| W233753 | | 1530 | 32.9 | 0.012 | 0.51 | 115.5 | 7.3 | 2 | 1.7 | 218 | 0.40 | 0.07 | 3.01 | 0.205 | 0.37 | 1.9 |
| W233754 | | 9.1 | 152.0 | 0.009 | 1.77 | 1.45 | 19.4 | 4 | 4.8 | 67.8 | 2.40 | 0.12 | 11.40 | 0.884 | 0.88 | 5.0 |
| W233755 | | 5.9 | 156.5 | 0.004 | 1.21 | 0.90 | 20.2 | 2 | 5.7 | 66.3 | 2.86 | 0.10 | 12.00 | 1.005 | 1.03 | 3.9 |
| W233756 | | 6.1 | 171.0 | 0.003 | 0.50 | 0.61 | 22.5 | 1 | 6.1 | 68.5 | 3.09 | 0.06 | 13.20 | 1.065 | 1.03 | 2.4 |
| W233757 | | 7.0 | 209 | <0.002 | 0.71 | 0.95 | 23.7 | 1 | 8.1 | 53.9 | 3.07 | <0.05 | 12.60 | 1.115 | 1.49 | 2.4 |
| W233758 | | 6.0 | 192.0 | 0.003 | 0.54 | 0.80 | 19.0 | 1 | 7.9 | 59.7 | 2.58 | 0.05 | 11.35 | 0.931 | 1.46 | 2.0 |
| W233759 | | 5.4 | 126.0 | 0.005 | 1.92 | 1.03 | 14.7 | 3 | 10.1 | 112.0 | 1.79 | 0.09 | 8.79 | 0.596 | 0.84 | 4.5 |
| W233760 | | 9.4 | 87.3 | <0.002 | 9.84 | 4.97 | 11.8 | 7 | 5.7 | 45.2 | 0.92 | 1.64 | 7.42 | 0.332 | 0.67 | 1.8 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20218117

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233721 | | 287 | 2.7 | 19.8 | 45 | 176.5 |
| W233722 | | 273 | 2.6 | 16.9 | 48 | 158.5 |
| W233723 | | 289 | 2.7 | 18.6 | 49 | 174.0 |
| W233724 | | 258 | 2.4 | 16.4 | 51 | 156.5 |
| W233725 | | 250 | 2.3 | 18.1 | 43 | 164.5 |
| W233726 | | 263 | 2.5 | 19.1 | 44 | 195.0 |
| W233727 | | 233 | 2.3 | 18.1 | 36 | 144.0 |
| W233728 | | 240 | 2.6 | 17.0 | 34 | 154.5 |
| W233729 | | 273 | 2.3 | 15.7 | 24 | 141.5 |
| W233730 | | 257 | 3.7 | 17.1 | 23 | 140.0 |
| W233731 | | 2 | 0.2 | 2.1 | 4 | 2.0 |
| W233732 | | 225 | 2.0 | 14.0 | 34 | 112.0 |
| W233733 | | 204 | 2.2 | 17.6 | 37 | 127.0 |
| W233734 | | 210 | 2.5 | 14.8 | 44 | 106.0 |
| W233735 | | 168 | 2.4 | 15.4 | 88 | 65.4 |
| W233736 | | 147 | 2.5 | 14.0 | 72 | 49.7 |
| W233737 | | 200 | 2.9 | 20.8 | 42 | 138.5 |
| W233738 | | 39 | 10.6 | 16.6 | 209 | 65.1 |
| W233739 | | 242 | 3.7 | 14.3 | 43 | 105.0 |
| W233740 | | 168 | 2.2 | 14.6 | 48 | 144.5 |
| W233741 | | 198 | 2.2 | 14.1 | 47 | 140.5 |
| W233742 | | 166 | 1.6 | 13.1 | 49 | 120.0 |
| W233743 | | 204 | 2.1 | 16.0 | 44 | 139.0 |
| W233744 | | 205 | 1.8 | 15.7 | 41 | 135.0 |
| W233745 | | 260 | 2.0 | 16.8 | 37 | 159.5 |
| W233746 | | 258 | 2.0 | 15.3 | 34 | 154.0 |
| W233747 | | 268 | 2.5 | 16.5 | 24 | 150.0 |
| W233748 | | 230 | 2.3 | 15.9 | 52 | 156.0 |
| W233749 | | 219 | 2.5 | 16.6 | 32 | 153.5 |
| W233750 | | 261 | 1.7 | 15.9 | 27 | 139.5 |
| W233751 | | 286 | 2.1 | 15.1 | 40 | 157.0 |
| W233752 | | 260 | 3.3 | 14.9 | 42 | 141.0 |
| W233753 | | 55 | 12.0 | 17.3 | 2790 | 61.7 |
| W233754 | | 238 | 2.5 | 16.9 | 51 | 152.5 |
| W233755 | | 236 | 2.7 | 18.4 | 56 | 129.0 |
| W233756 | | 217 | 3.0 | 20.4 | 66 | 84.6 |
| W233757 | | 221 | 3.2 | 22.0 | 74 | 124.5 |
| W233758 | | 196 | 2.4 | 17.7 | 79 | 68.5 |
| W233759 | | 164 | 15.1 | 22.5 | 37 | 95.6 |
| W233760 | | 114 | 7.3 | 21.9 | 26 | 49.7 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 4-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20218117

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227679

Project: Rau

P.O. No.: R20-D40

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227679

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R613961 | | 2.20 | <0.01 | 0.03 | 6.73 | 11.0 | 1870 | 1.98 | 0.35 | 4.51 | 0.08 | 104.5 | 10.5 | 43 | 4.00 | 37.7 |
| R613962 | | 2.06 | <0.01 | 0.04 | 6.54 | 23.3 | 1620 | 1.94 | 0.35 | 5.30 | 0.09 | 104.5 | 11.1 | 39 | 3.92 | 37.6 |
| R613963 | | 3.85 | <0.01 | 0.36 | 4.78 | 9.5 | 1280 | 1.51 | 0.28 | 5.88 | 0.07 | 95.1 | 8.7 | 95 | 3.06 | 31.1 |
| R613964 | | 3.74 | <0.01 | 0.02 | 3.77 | 19.4 | 1070 | 1.07 | 0.43 | 5.89 | 0.08 | 48.5 | 4.4 | 63 | 2.23 | 15.0 |
| R613965 | | 9.29 | 0.01 | 0.03 | 3.43 | 8.4 | 960 | 1.02 | 0.50 | 6.23 | 0.13 | 52.4 | 3.7 | 63 | 2.08 | 11.5 |
| R613966 | | 6.34 | 0.01 | 0.05 | 4.04 | 39.7 | 970 | 1.18 | 1.64 | 5.47 | 0.09 | 63.1 | 12.6 | 73 | 2.47 | 27.5 |
| R613967 | | 1.33 | 0.03 | 0.08 | 3.36 | 95.0 | 370 | 1.01 | 2.19 | 6.29 | 0.08 | 49.8 | 15.5 | 51 | 1.95 | 41.7 |
| R613968 | | 0.16 | 1.34 | 87.8 | 7.31 | 29.8 | 4480 | 1.00 | 0.11 | 1.99 | 13.80 | 24.5 | 4.8 | 17 | 0.37 | 227 |
| R613969 | | 12.66 | 0.02 | 0.13 | 4.31 | 35.8 | 250 | 1.23 | 2.27 | 4.88 | 0.10 | 54.6 | 21.8 | 70 | 2.71 | 67.4 |
| R613970 | | 12.77 | 0.01 | 0.08 | 4.68 | 31.0 | 760 | 1.32 | 1.77 | 5.00 | 0.10 | 61.8 | 15.3 | 68 | 2.92 | 61.8 |
| R613971 | | 11.64 | 0.02 | 0.10 | 5.40 | 24.6 | 350 | 1.36 | 2.60 | 4.63 | 0.09 | 67.4 | 16.2 | 86 | 3.23 | 58.6 |
| R613972 | | 5.99 | 0.02 | 0.18 | 5.07 | 35.3 | 360 | 1.41 | 2.11 | 4.68 | 0.25 | 70.4 | 19.4 | 88 | 3.27 | 59.4 |
| R613973 | | 3.20 | 0.02 | 0.28 | 4.90 | 28.3 | 250 | 1.18 | 1.72 | 5.66 | 0.16 | 59.8 | 12.4 | 92 | 2.78 | 47.3 |
| R613974 | | 5.33 | 0.01 | 0.07 | 4.73 | 17.1 | 610 | 1.24 | 1.77 | 4.87 | 0.16 | 64.0 | 13.8 | 79 | 2.77 | 53.6 |
| R613975 | | 2.07 | 0.01 | 0.05 | 3.04 | 50.1 | 340 | 0.76 | 1.51 | 11.05 | 0.15 | 52.7 | 10.8 | 73 | 1.80 | 47.5 |
| R613976 | | 5.49 | 0.01 | 0.08 | 5.12 | 34.1 | 970 | 1.40 | 2.16 | 5.93 | 0.16 | 71.5 | 13.4 | 96 | 3.09 | 55.8 |
| R613977 | | 10.79 | 0.01 | 0.06 | 4.70 | 20.3 | 1250 | 1.30 | 1.40 | 7.81 | 0.12 | 64.9 | 12.5 | 93 | 2.86 | 52.5 |
| R613978 | | 13.15 | 0.01 | 0.06 | 5.44 | 33.5 | 650 | 1.43 | 1.80 | 4.05 | 0.13 | 70.3 | 12.1 | 82 | 3.38 | 43.8 |
| R613979 | | 12.91 | 0.01 | 0.06 | 4.65 | 32.5 | 620 | 1.37 | 0.95 | 5.78 | 0.14 | 67.4 | 14.6 | 72 | 2.95 | 50.3 |
| R613980 | | 4.91 | 0.01 | 0.06 | 4.96 | 3.9 | 910 | 1.32 | 0.94 | 4.93 | 0.09 | 57.4 | 13.7 | 71 | 2.88 | 63.2 |
| R613981 | | 4.51 | 0.01 | 0.11 | 3.04 | 4.9 | 200 | 0.93 | 1.45 | 4.37 | 0.13 | 41.3 | 27.3 | 61 | 1.57 | 150.0 |
| R613982 | | 8.63 | 0.01 | 0.05 | 5.52 | 5.2 | 410 | 1.74 | 1.16 | 3.57 | 0.08 | 76.9 | 17.8 | 91 | 3.70 | 99.6 |
| R613983 | | 12.53 | 0.01 | 0.05 | 4.90 | 15.7 | 1160 | 1.69 | 1.17 | 4.60 | 0.11 | 72.7 | 14.7 | 78 | 3.29 | 81.4 |
| R613984 | | 14.11 | 0.01 | 0.06 | 6.01 | 44.9 | 1210 | 2.02 | 1.38 | 3.60 | 0.04 | 82.2 | 17.1 | 82 | 4.10 | 96.5 |
| R613985 | | 13.29 | 0.03 | 0.04 | 5.99 | 87.7 | 1530 | 1.85 | 0.96 | 5.34 | 0.05 | 93.6 | 13.4 | 58 | 3.43 | 43.2 |
| R613986 | | 4.95 | 0.03 | <0.01 | 6.81 | 75.2 | 1640 | 2.21 | 0.46 | 4.82 | <0.02 | 118.0 | 4.6 | 55 | 3.68 | 9.9 |
| R613987 | | 1.25 | 0.02 | 0.01 | 6.19 | 47.7 | 1350 | 2.16 | 0.90 | 3.70 | <0.02 | 107.0 | 3.1 | 53 | 3.16 | 3.5 |
| R613988 | | 4.91 | 1.05 | 0.09 | 2.48 | 1840 | 120 | 0.78 | 15.75 | 0.88 | 0.05 | 49.2 | 25.0 | 32 | 0.69 | 30.9 |
| R613989 | | 1.98 | <0.01 | <0.01 | 0.07 | 3.2 | 20 | 0.06 | 0.13 | 33.0 | <0.02 | 0.91 | 0.5 | 2 | <0.05 | 0.8 |
| R613990 | | 1.77 | 0.04 | 0.04 | 5.62 | 2200 | 1130 | 2.02 | 1.32 | 3.54 | 0.03 | 115.5 | 9.4 | 52 | 2.99 | 2.4 |
| R613991 | | 5.60 | 0.09 | 0.02 | 6.27 | 477 | 1350 | 2.34 | 1.78 | 3.82 | 0.06 | 112.5 | 13.6 | 58 | 3.64 | 2.9 |
| R613992 | | 6.20 | 0.04 | 0.08 | 6.90 | 209 | 1650 | 2.29 | 1.07 | 3.94 | 0.04 | 112.0 | 8.4 | 62 | 4.29 | 3.0 |
| R613993 | | 3.22 | 0.02 | 0.06 | 5.95 | 181.0 | 400 | 2.47 | 6.04 | 3.71 | <0.02 | 96.9 | 23.8 | 94 | 4.12 | 6.1 |
| R613994 | | 2.67 | 0.18 | 0.08 | 4.39 | 338 | 430 | 1.66 | 4.81 | 3.49 | 0.06 | 52.3 | 25.8 | 70 | 2.87 | 6.1 |
| R613995 | | <0.02 | 0.12 | 0.11 | 4.26 | 313 | 470 | 1.53 | 5.35 | 3.45 | <0.02 | 50.8 | 25.3 | 68 | 2.67 | 5.3 |
| R613996 | | 2.36 | 0.07 | 0.06 | 4.71 | 659 | 890 | 1.63 | 9.19 | 3.08 | <0.02 | 76.9 | 9.9 | 74 | 2.74 | 4.5 |
| R613997 | | 1.62 | 2.12 | 0.11 | 1.54 | 1520 | 20 | 0.64 | 60.6 | 0.45 | 0.03 | 28.6 | 17.1 | 30 | 0.90 | 49.7 |
| R613998 | | 0.26 | 3.36 | 5.66 | 7.41 | 1780 | 150 | 1.65 | 0.66 | 3.10 | 1.22 | 39.6 | 21.9 | 15 | 7.42 | 187.0 |
| R613999 | | 2.83 | 0.33 | 0.09 | 4.26 | 292 | 660 | 1.60 | 11.80 | 3.80 | <0.02 | 71.1 | 10.0 | 77 | 2.83 | 3.6 |
| R614000 | | 6.13 | 0.35 | 0.20 | 5.06 | 309 | 330 | 1.92 | 17.00 | 3.42 | <0.02 | 78.3 | 19.3 | 82 | 3.51 | 6.0 |

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

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227679

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R613961 | | 3.39 | 18.35 | 0.16 | 2.6 | 0.067 | 3.21 | 59.9 | 9.2 | 2.04 | 589 | 0.94 | 0.11 | 64.1 | 21.9 | 1470 |
| R613962 | | 3.63 | 17.75 | 0.17 | 2.5 | 0.066 | 3.10 | 60.1 | 8.7 | 2.40 | 723 | 0.71 | 0.10 | 58.3 | 24.9 | 1290 |
| R613963 | | 4.52 | 12.65 | 0.14 | 2.4 | 0.047 | 2.20 | 54.7 | 7.2 | 2.48 | 951 | 1.81 | 0.08 | 45.7 | 27.6 | 1750 |
| R613964 | | 2.99 | 9.51 | 0.09 | 1.8 | 0.025 | 1.80 | 27.1 | 5.7 | 2.52 | 957 | 1.28 | 0.06 | 21.3 | 21.6 | 1280 |
| R613965 | | 2.99 | 8.71 | 0.09 | 1.8 | 0.024 | 1.64 | 29.4 | 5.2 | 2.61 | 1130 | 0.98 | 0.06 | 18.9 | 21.2 | 950 |
| R613966 | | 3.66 | 10.20 | 0.11 | 2.3 | 0.026 | 1.91 | 36.5 | 5.9 | 2.28 | 751 | 7.17 | 0.07 | 27.2 | 38.9 | 2670 |
| R613967 | | 4.88 | 8.22 | 0.10 | 1.8 | 0.021 | 1.56 | 29.1 | 4.8 | 2.53 | 1080 | 4.55 | 0.05 | 19.8 | 46.0 | 2920 |
| R613968 | | 2.68 | 12.90 | 0.07 | 1.8 | 0.031 | 1.52 | 14.2 | 2.4 | 0.59 | 748 | 6.46 | 3.44 | 5.5 | 7.9 | 500 |
| R613969 | | 5.12 | 10.90 | 0.11 | 2.2 | 0.030 | 2.03 | 31.2 | 6.2 | 2.06 | 1020 | 7.52 | 0.07 | 22.7 | 52.4 | 2200 |
| R613970 | | 4.04 | 11.60 | 0.11 | 2.5 | 0.033 | 2.22 | 35.0 | 6.8 | 1.99 | 822 | 6.48 | 0.07 | 26.3 | 42.5 | 2950 |
| R613971 | | 4.80 | 12.65 | 0.11 | 2.5 | 0.038 | 2.57 | 38.2 | 7.5 | 2.00 | 876 | 6.98 | 0.08 | 27.3 | 48.0 | 2290 |
| R613972 | | 4.30 | 12.55 | 0.12 | 2.5 | 0.043 | 2.33 | 39.6 | 7.6 | 2.08 | 812 | 5.47 | 0.07 | 29.2 | 51.1 | 2140 |
| R613973 | | 4.92 | 11.00 | 0.11 | 2.2 | 0.042 | 2.28 | 34.1 | 6.6 | 2.45 | 1340 | 5.80 | 0.07 | 23.2 | 40.1 | 2170 |
| R613974 | | 3.94 | 11.70 | 0.12 | 2.3 | 0.031 | 2.27 | 35.9 | 6.4 | 2.01 | 962 | 3.34 | 0.07 | 26.7 | 34.7 | 1980 |
| R613975 | | 6.44 | 7.40 | 0.09 | 1.5 | 0.026 | 1.43 | 30.6 | 4.3 | 3.78 | 2280 | 3.22 | 0.05 | 14.9 | 33.7 | 1500 |
| R613976 | | 4.50 | 12.55 | 0.11 | 2.6 | 0.043 | 2.49 | 40.4 | 6.8 | 2.41 | 1400 | 4.19 | 0.07 | 29.5 | 47.6 | 1920 |
| R613977 | | 4.75 | 11.50 | 0.11 | 2.3 | 0.039 | 2.28 | 36.7 | 6.6 | 3.12 | 1920 | 5.62 | 0.07 | 24.5 | 44.3 | 1790 |
| R613978 | | 3.88 | 13.40 | 0.12 | 2.6 | 0.041 | 2.66 | 39.5 | 7.5 | 1.71 | 615 | 3.44 | 0.07 | 31.3 | 48.4 | 2040 |
| R613979 | | 4.83 | 11.75 | 0.11 | 2.4 | 0.038 | 2.30 | 37.6 | 7.1 | 2.37 | 878 | 4.96 | 0.05 | 23.0 | 46.2 | 1870 |
| R613980 | | 4.65 | 12.10 | 0.11 | 2.4 | 0.037 | 2.45 | 31.9 | 7.2 | 2.01 | 832 | 6.57 | 0.06 | 22.4 | 40.2 | 1530 |
| R613981 | | 7.60 | 7.71 | 0.09 | 1.6 | 0.029 | 1.46 | 21.5 | 4.3 | 1.60 | 942 | 4.33 | 0.04 | 11.2 | 64.8 | 2680 |
| R613982 | | 4.89 | 15.75 | 0.11 | 3.1 | 0.043 | 2.76 | 40.2 | 9.9 | 1.56 | 583 | 6.76 | 0.05 | 26.9 | 51.0 | 1650 |
| R613983 | | 4.50 | 14.05 | 0.10 | 3.1 | 0.042 | 2.45 | 37.2 | 9.4 | 1.97 | 656 | 6.67 | 0.05 | 27.9 | 45.6 | 1890 |
| R613984 | | 4.10 | 17.25 | 0.13 | 3.3 | 0.049 | 3.06 | 43.1 | 12.2 | 1.73 | 537 | 5.65 | 0.06 | 30.2 | 51.2 | 1780 |
| R613985 | | 3.41 | 17.30 | 0.12 | 3.1 | 0.050 | 3.00 | 50.7 | 11.7 | 2.41 | 928 | 2.58 | 0.06 | 38.7 | 32.2 | 2550 |
| R613986 | | 2.24 | 20.9 | 0.17 | 3.2 | 0.074 | 3.35 | 62.8 | 13.4 | 2.50 | 894 | 0.19 | 0.07 | 47.5 | 22.5 | 1910 |
| R613987 | | 2.22 | 19.15 | 0.17 | 2.0 | 0.030 | 2.92 | 58.4 | 13.8 | 2.10 | 772 | 0.41 | 0.08 | 41.8 | 15.0 | 1650 |
| R613988 | | 13.95 | 8.24 | 0.12 | 1.3 | 0.011 | 0.58 | 26.2 | 3.9 | 0.78 | 254 | 0.48 | 0.12 | 9.6 | 32.7 | 860 |
| R613989 | | 0.18 | 0.26 | <0.05 | <0.1 | <0.005 | 0.01 | 1.1 | 1.2 | 1.35 | 91 | 0.07 | 0.03 | 0.2 | 0.7 | 70 |
| R613990 | | 2.20 | 19.60 | 0.18 | 2.9 | 0.048 | 2.58 | 61.4 | 14.9 | 2.05 | 732 | 0.62 | 0.09 | 46.3 | 35.8 | 1500 |
| R613991 | | 2.53 | 19.90 | 0.14 | 3.3 | 0.050 | 3.11 | 60.4 | 14.7 | 2.02 | 768 | 1.31 | 0.06 | 49.9 | 32.1 | 1690 |
| R613992 | | 2.61 | 21.2 | 0.18 | 3.3 | 0.048 | 3.56 | 59.2 | 17.8 | 2.14 | 810 | 1.54 | 0.05 | 45.7 | 27.1 | 1760 |
| R613993 | | 3.69 | 19.35 | 0.15 | 3.7 | 0.049 | 3.07 | 51.2 | 18.2 | 2.00 | 719 | 7.98 | 0.04 | 34.2 | 45.2 | 2790 |
| R613994 | | 3.91 | 13.90 | 0.09 | 2.5 | 0.035 | 2.22 | 28.0 | 12.6 | 1.64 | 712 | 6.65 | 0.03 | 24.7 | 40.3 | 1210 |
| R613995 | | 4.12 | 13.20 | 0.10 | 2.4 | 0.037 | 2.16 | 27.0 | 11.9 | 1.60 | 715 | 6.22 | 0.03 | 23.2 | 40.2 | 1200 |
| R613996 | | 3.15 | 14.70 | 0.11 | 3.2 | 0.022 | 2.29 | 41.3 | 13.3 | 1.70 | 676 | 5.58 | 0.05 | 31.5 | 36.8 | 1580 |
| R613997 | | 37.7 | 5.25 | 0.15 | 1.0 | 0.011 | 0.67 | 13.4 | 4.5 | 0.39 | 379 | 1.85 | 0.03 | 4.5 | 123.5 | 520 |
| R613998 | | 6.14 | 17.90 | 0.11 | 1.9 | 0.062 | 2.87 | 18.8 | 40.8 | 1.07 | 1340 | 3.36 | 0.34 | 6.4 | 13.1 | 1780 |
| R613999 | | 3.84 | 14.10 | 0.11 | 2.8 | 0.021 | 2.16 | 38.8 | 12.9 | 2.09 | 835 | 2.65 | 0.04 | 28.3 | 31.7 | 1410 |
| R614000 | | 4.15 | 16.45 | 0.10 | 3.5 | 0.036 | 2.59 | 41.3 | 16.4 | 1.72 | 596 | 8.18 | 0.04 | 33.5 | 55.2 | 1850 |

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

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227679

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R613961 | | 2.9 | 139.5 | 0.002 | 1.06 | 0.65 | 15.0 | 1 | 5.3 | 154.0 | 3.24 | <0.05 | 12.50 | 0.737 | 0.69 | 3.6 |
| R613962 | | 2.7 | 136.0 | 0.002 | 1.13 | 0.75 | 14.5 | 1 | 5.1 | 159.0 | 2.97 | <0.05 | 12.00 | 0.657 | 0.69 | 3.4 |
| R613963 | | 2.6 | 94.6 | 0.002 | 1.04 | 0.76 | 10.5 | 1 | 3.5 | 155.0 | 2.37 | <0.05 | 10.25 | 0.501 | 0.52 | 7.7 |
| R613964 | | 2.7 | 73.1 | 0.003 | 0.52 | 0.52 | 8.7 | 1 | 2.4 | 127.5 | 1.11 | <0.05 | 6.13 | 0.352 | 0.39 | 3.3 |
| R613965 | | 3.6 | 69.6 | <0.002 | 0.46 | 0.56 | 8.1 | 1 | 2.3 | 130.5 | 1.01 | <0.05 | 6.42 | 0.319 | 0.38 | 2.9 |
| R613966 | | 3.6 | 81.2 | 0.015 | 1.43 | 1.33 | 9.3 | 2 | 2.9 | 122.5 | 1.45 | 0.06 | 7.02 | 0.436 | 0.45 | 6.2 |
| R613967 | | 3.9 | 64.2 | 0.011 | 2.19 | 10.35 | 7.5 | 2 | 2.3 | 118.0 | 1.13 | 0.08 | 5.68 | 0.336 | 0.44 | 5.8 |
| R613968 | | 1495 | 30.1 | 0.009 | 0.53 | 109.5 | 7.0 | 3 | 1.6 | 215 | 0.36 | 0.05 | 2.77 | 0.203 | 0.32 | 1.7 |
| R613969 | | 4.9 | 87.0 | 0.011 | 2.32 | 3.76 | 10.5 | 3 | 3.3 | 104.5 | 1.22 | 0.07 | 6.22 | 0.421 | 0.51 | 7.6 |
| R613970 | | 4.5 | 92.7 | 0.012 | 1.79 | 3.03 | 10.7 | 2 | 3.6 | 109.0 | 1.48 | 0.06 | 7.23 | 0.466 | 0.52 | 7.3 |
| R613971 | | 5.2 | 104.0 | 0.011 | 2.17 | 2.17 | 12.2 | 3 | 3.9 | 98.1 | 1.46 | 0.05 | 7.77 | 0.486 | 0.57 | 5.5 |
| R613972 | | 5.8 | 102.5 | 0.009 | 2.18 | 8.46 | 12.6 | 3 | 4.1 | 96.8 | 1.59 | <0.05 | 7.96 | 0.473 | 0.61 | 5.9 |
| R613973 | | 5.5 | 89.0 | 0.008 | 2.36 | 14.00 | 10.4 | 2 | 3.6 | 94.8 | 1.27 | <0.05 | 6.68 | 0.445 | 0.53 | 5.2 |
| R613974 | | 5.9 | 94.2 | 0.012 | 1.65 | 6.17 | 10.9 | 2 | 3.7 | 101.5 | 1.44 | <0.05 | 7.29 | 0.431 | 0.51 | 4.0 |
| R613975 | | 5.6 | 60.5 | 0.004 | 3.04 | 24.0 | 7.4 | 2 | 2.5 | 127.5 | 0.79 | <0.05 | 4.87 | 0.263 | 0.42 | 3.7 |
| R613976 | | 6.8 | 103.5 | 0.010 | 1.42 | 6.13 | 11.8 | 2 | 4.1 | 103.0 | 1.66 | <0.05 | 8.29 | 0.472 | 0.53 | 4.5 |
| R613977 | | 5.6 | 95.8 | 0.010 | 1.16 | 11.60 | 11.1 | 1 | 4.1 | 113.0 | 1.32 | <0.05 | 7.49 | 0.430 | 0.49 | 5.2 |
| R613978 | | 5.6 | 112.0 | 0.014 | 1.45 | 1.87 | 12.8 | 2 | 4.3 | 102.5 | 1.73 | 0.07 | 8.54 | 0.478 | 0.54 | 4.2 |
| R613979 | | 4.6 | 97.9 | 0.012 | 1.56 | 1.16 | 11.3 | 2 | 4.4 | 123.0 | 1.27 | 0.05 | 7.53 | 0.399 | 0.46 | 5.2 |
| R613980 | | 3.9 | 101.0 | 0.012 | 1.59 | 1.45 | 11.4 | 2 | 5.3 | 105.0 | 1.27 | 0.05 | 7.54 | 0.422 | 0.48 | 5.0 |
| R613981 | | 8.2 | 60.8 | 0.004 | 3.46 | 0.58 | 7.2 | 4 | 3.9 | 83.3 | 0.60 | 0.08 | 4.13 | 0.219 | 0.33 | 5.2 |
| R613982 | | 3.7 | 121.5 | 0.003 | 2.05 | 0.83 | 13.6 | 2 | 6.7 | 92.5 | 1.38 | <0.05 | 8.90 | 0.461 | 0.57 | 5.3 |
| R613983 | | 4.3 | 105.0 | 0.004 | 1.49 | 1.00 | 11.5 | 2 | 6.4 | 125.0 | 1.49 | <0.05 | 8.30 | 0.475 | 0.48 | 4.6 |
| R613984 | | 3.7 | 136.0 | 0.006 | 1.32 | 0.89 | 13.9 | 2 | 10.1 | 101.0 | 1.56 | <0.05 | 9.86 | 0.498 | 0.66 | 4.3 |
| R613985 | | 2.5 | 127.0 | 0.006 | 0.83 | 0.63 | 12.2 | 1 | 12.1 | 117.5 | 2.02 | 0.05 | 10.80 | 0.569 | 0.55 | 3.6 |
| R613986 | | 1.7 | 141.5 | 0.003 | 0.40 | 0.54 | 14.8 | 1 | 18.2 | 86.0 | 2.20 | <0.05 | 12.15 | 0.691 | 0.64 | 2.0 |
| R613987 | | 3.5 | 120.5 | <0.002 | 0.53 | 2.34 | 13.4 | 1 | 20.0 | 62.1 | 2.16 | <0.05 | 11.70 | 0.631 | 0.55 | 1.7 |
| R613988 | | 2.4 | 23.7 | <0.002 | 7.59 | 5.49 | 5.2 | 3 | 6.1 | 25.9 | 0.50 | 0.16 | 5.75 | 0.151 | 0.23 | 1.4 |
| R613989 | | 0.5 | 0.4 | <0.002 | 0.02 | 0.15 | 0.2 | 1 | <0.2 | 80.6 | <0.05 | <0.05 | 0.09 | 0.006 | <0.02 | 0.1 |
| R613990 | | 2.9 | 111.5 | <0.002 | 0.87 | 0.97 | 13.4 | 1 | 21.9 | 53.1 | 2.29 | 0.11 | 12.45 | 0.620 | 0.47 | 2.6 |
| R613991 | | 2.8 | 137.5 | <0.002 | 1.13 | 0.92 | 13.7 | 1 | 20.3 | 62.8 | 2.48 | <0.05 | 12.55 | 0.626 | 0.63 | 3.0 |
| R613992 | | 2.2 | 152.0 | <0.002 | 0.88 | 1.52 | 15.0 | 1 | 19.4 | 66.9 | 2.22 | <0.05 | 12.75 | 0.655 | 0.66 | 3.4 |
| R613993 | | 2.6 | 136.0 | 0.013 | 2.18 | 1.88 | 15.1 | 2 | 22.1 | 59.3 | 1.86 | <0.05 | 9.55 | 0.543 | 0.58 | 5.8 |
| R613994 | | 2.7 | 97.2 | 0.007 | 2.63 | 1.01 | 10.9 | 3 | 17.7 | 47.6 | 1.30 | <0.05 | 6.70 | 0.407 | 0.46 | 4.8 |
| R613995 | | 3.6 | 90.7 | 0.003 | 2.74 | 0.99 | 10.1 | 2 | 16.9 | 46.7 | 1.22 | <0.05 | 6.37 | 0.390 | 0.38 | 4.5 |
| R613996 | | 3.7 | 96.4 | 0.010 | 1.72 | 1.73 | 10.9 | 1 | 22.0 | 41.0 | 1.54 | 0.12 | 7.86 | 0.498 | 0.49 | 6.8 |
| R613997 | | 4.7 | 27.1 | 0.003 | >10.0 | 1.84 | 4.3 | 6 | 6.2 | 7.6 | 0.27 | 0.38 | 2.69 | 0.083 | 0.15 | 1.8 |
| R613998 | | 35.3 | 120.5 | <0.002 | 4.08 | 24.9 | 22.9 | 18 | 1.9 | 182.5 | 0.32 | 0.12 | 4.34 | 0.402 | 2.26 | 2.1 |
| R613999 | | 3.1 | 88.7 | 0.004 | 1.88 | 1.01 | 10.8 | 2 | 15.1 | 45.3 | 1.36 | 0.07 | 7.63 | 0.436 | 0.41 | 4.8 |
| R614000 | | 7.1 | 106.5 | 0.010 | 2.89 | 1.93 | 12.7 | 3 | 18.9 | 43.9 | 1.66 | 0.26 | 8.18 | 0.531 | 0.52 | 7.3 |

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

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

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227679

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R613961 | | 124 | 1.4 | 18.2 | 17 | 120.0 |
| R613962 | | 117 | 1.3 | 16.7 | 19 | 106.0 |
| R613963 | | 109 | 1.8 | 15.8 | 20 | 113.5 |
| R613964 | | 106 | 0.8 | 8.9 | 19 | 77.5 |
| R613965 | | 78 | 0.7 | 8.4 | 25 | 74.4 |
| R613966 | | 167 | 1.0 | 12.6 | 17 | 99.7 |
| R613967 | | 134 | 0.9 | 12.0 | 18 | 85.0 |
| R613968 | | 53 | 10.0 | 17.1 | 2850 | 57.8 |
| R613969 | | 166 | 1.2 | 11.4 | 20 | 99.5 |
| R613970 | | 188 | 1.2 | 14.1 | 18 | 109.5 |
| R613971 | | 204 | 1.3 | 14.7 | 17 | 112.5 |
| R613972 | | 163 | 1.7 | 14.4 | 31 | 110.5 |
| R613973 | | 133 | 1.9 | 15.7 | 21 | 99.0 |
| R613974 | | 157 | 1.2 | 12.5 | 24 | 102.5 |
| R613975 | | 87 | 1.0 | 16.9 | 21 | 67.4 |
| R613976 | | 158 | 1.4 | 17.8 | 23 | 123.5 |
| R613977 | | 130 | 1.4 | 15.6 | 21 | 100.5 |
| R613978 | | 162 | 1.4 | 13.2 | 20 | 112.0 |
| R613979 | | 166 | 1.2 | 13.1 | 21 | 98.4 |
| R613980 | | 179 | 1.3 | 10.2 | 16 | 100.5 |
| R613981 | | 81 | 1.0 | 9.1 | 19 | 62.7 |
| R613982 | | 138 | 1.6 | 11.9 | 16 | 120.5 |
| R613983 | | 118 | 1.7 | 12.2 | 18 | 113.5 |
| R613984 | | 157 | 2.1 | 12.7 | 15 | 124.5 |
| R613985 | | 120 | 2.6 | 14.4 | 13 | 119.0 |
| R613986 | | 108 | 4.0 | 20.0 | 10 | 122.5 |
| R613987 | | 99 | 5.1 | 13.8 | 9 | 83.3 |
| R613988 | | 43 | 1.8 | 6.1 | 8 | 49.6 |
| R613989 | | 1 | <0.1 | 1.8 | 2 | 1.5 |
| R613990 | | 107 | 7.0 | 14.5 | 8 | 112.5 |
| R613991 | | 121 | 5.4 | 16.0 | 9 | 127.0 |
| R613992 | | 127 | 5.0 | 16.1 | 9 | 138.5 |
| R613993 | | 162 | 6.3 | 15.8 | 7 | 130.5 |
| R613994 | | 116 | 4.7 | 10.2 | 13 | 99.6 |
| R613995 | | 112 | 4.4 | 9.9 | 14 | 94.8 |
| R613996 | | 145 | 6.3 | 12.0 | 7 | 125.5 |
| R613997 | | 47 | 1.9 | 5.7 | 3 | 40.8 |
| R613998 | | 198 | 2.3 | 14.7 | 149 | 66.8 |
| R613999 | | 126 | 4.8 | 12.3 | 8 | 113.0 |
| R614000 | | 202 | 5.6 | 13.5 | 9 | 142.0 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227679

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 12-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20222454

Project: Rau

P.O. No.: R20-D41

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 12-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20222454

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233761 | | 1.80 | 1.15 | 0.41 | 4.28 | >10000 | 20 | 1.00 | 8.89 | 0.99 | 0.04 | 56.7 | 193.0 | 39 | 2.63 | 740 |
| W233762 | | 3.96 | 0.07 | 0.03 | 8.44 | 97.0 | 1560 | 2.65 | 1.30 | 1.31 | <0.02 | 127.5 | 17.5 | 69 | 9.36 | 61.0 |
| W233763 | | 1.40 | 0.09 | 0.04 | 8.45 | 118.0 | 1690 | 2.83 | 0.60 | 2.46 | <0.02 | 121.5 | 22.2 | 72 | 10.25 | 62.2 |
| W233764 | | 2.35 | 0.06 | 0.06 | 7.98 | 24.0 | 1410 | 2.35 | 1.18 | 4.62 | 0.04 | 124.0 | 15.9 | 64 | 7.01 | 74.3 |
| W233765 | | 0.43 | 0.12 | 0.04 | 5.55 | 28.9 | 1190 | 1.60 | 0.50 | 1.70 | 0.06 | 61.3 | 6.7 | 59 | 5.12 | 31.3 |
| W233766 | | 2.23 | 0.19 | 0.08 | 7.41 | 88.1 | 1500 | 2.19 | 2.03 | 2.97 | 0.03 | 108.5 | 10.0 | 68 | 5.79 | 37.4 |
| W233767 | | 0.16 | 1.39 | 70.9 | 6.74 | 28.3 | 4330 | 0.92 | 0.11 | 1.84 | 14.20 | 26.7 | 4.4 | 17 | 0.41 | 213 |
| W233768 | | 1.24 | 0.19 | 0.09 | 7.26 | 158.0 | 1380 | 2.44 | 1.87 | 3.63 | 0.06 | 116.0 | 12.1 | 62 | 5.67 | 24.9 |
| W233769 | | 6.27 | 0.11 | 0.05 | 8.39 | 131.5 | 1730 | 2.61 | 1.43 | 2.51 | <0.02 | 117.5 | 10.1 | 75 | 8.81 | 18.2 |
| W233770 | | 1.09 | 0.11 | 0.06 | 6.37 | 670 | 540 | 1.89 | 6.22 | 2.75 | 0.04 | 74.6 | 9.9 | 61 | 4.57 | 8.3 |
| W233771 | | 1.64 | 0.10 | 0.03 | 7.22 | 484 | 1320 | 2.66 | 1.31 | 2.09 | 0.02 | 115.0 | 5.5 | 74 | 4.84 | 4.2 |
| W233772 | | 0.89 | 0.04 | 0.03 | 2.06 | 1155 | 310 | 0.69 | 1.07 | 1.98 | 0.06 | 27.8 | 8.5 | 31 | 1.23 | 5.0 |
| W233773 | | 1.97 | 0.01 | <0.01 | 0.16 | 0.9 | 30 | 0.13 | 0.02 | 32.9 | <0.02 | 1.04 | 0.5 | 2 | <0.05 | 1.3 |
| W233774 | | 1.42 | 0.65 | 0.06 | 9.06 | 428 | 1490 | 3.03 | 3.84 | 4.08 | <0.02 | 149.5 | 14.4 | 63 | 5.64 | 16.0 |
| W233775 | | 2.76 | 0.02 | 0.01 | 7.22 | 690 | 1150 | 2.23 | 0.68 | 1.98 | <0.02 | 61.1 | 7.8 | 53 | 3.91 | 3.8 |
| W233776 | | 1.86 | 0.46 | 0.28 | 1.18 | 7870 | 130 | 0.28 | 19.50 | 8.75 | 2.04 | 62.3 | 53.8 | 19 | 0.56 | 17.1 |
| W233777 | | 0.99 | 0.20 | 0.06 | 6.26 | 1405 | 810 | 1.52 | 0.64 | 0.95 | 0.05 | 79.3 | 18.1 | 58 | 2.55 | 7.7 |
| W233778 | | 2.99 | 0.36 | 0.09 | 6.60 | 760 | 830 | 1.87 | 2.39 | 2.17 | <0.02 | 101.5 | 21.4 | 57 | 4.14 | 14.9 |
| W233779 | | 0.12 | 5.14 | 11.25 | 5.97 | 765 | 50 | 0.72 | 5.72 | 3.97 | 11.00 | 30.7 | 24.0 | 31 | 1.49 | 2160 |
| W233780 | | 3.27 | 0.06 | 0.03 | 7.42 | 45.7 | 1090 | 1.75 | 0.41 | 1.52 | 0.04 | 147.0 | 9.8 | 49 | 3.47 | 16.2 |
| W233781 | | 4.38 | 0.03 | 0.02 | 6.99 | 45.1 | 800 | 1.85 | 0.36 | 1.09 | 0.03 | 91.2 | 16.1 | 53 | 3.42 | 31.7 |
| W233782 | | 0.81 | 0.03 | 0.03 | 5.16 | 71.8 | 640 | 1.60 | 0.49 | 1.88 | 0.11 | 53.2 | 17.3 | 37 | 2.50 | 43.0 |
| W233783 | | 7.67 | 0.03 | 0.02 | 7.31 | 41.0 | 1150 | 2.25 | 0.85 | 1.02 | 0.03 | 97.5 | 13.7 | 72 | 4.61 | 42.7 |
| W233784 | | 2.55 | 0.03 | 0.04 | 7.19 | 88.4 | 1120 | 2.18 | 1.02 | 1.63 | <0.02 | 85.1 | 19.0 | 73 | 5.34 | 44.7 |
| W233785 | | 2.04 | 0.04 | 0.03 | 7.03 | 73.3 | 1090 | 2.25 | 0.43 | 2.24 | <0.02 | 82.9 | 12.7 | 73 | 5.93 | 38.9 |
| W233786 | | 2.32 | 0.12 | 0.05 | 7.79 | 513 | 1290 | 2.63 | 1.54 | 1.94 | <0.02 | 93.5 | 8.3 | 80 | 5.26 | 14.0 |
| W233787 | | 1.14 | 0.01 | 0.02 | 3.89 | 184.5 | 100 | 1.18 | 0.29 | 2.15 | 0.03 | 105.0 | 2.7 | 50 | 0.36 | 6.1 |
| W233788 | | 2.82 | 0.28 | 0.07 | 1.21 | 670 | 30 | 0.32 | 0.49 | 9.44 | 0.06 | 266 | 8.4 | 16 | 0.25 | 31.9 |
| W233789 | | 2.08 | 0.02 | 0.03 | 4.44 | 2590 | 100 | 1.18 | 0.56 | 1.92 | <0.02 | 48.5 | 17.5 | 49 | 0.45 | 12.5 |
| W233790 | | 2.29 | 0.03 | 0.05 | 4.33 | 1965 | 230 | 1.26 | 0.79 | 1.65 | <0.02 | 113.0 | 17.8 | 44 | 0.96 | 11.0 |
| W233791 | | 6.38 | 0.11 | 0.04 | 7.48 | 334 | 1520 | 2.46 | 0.99 | 2.61 | 0.06 | 105.5 | 10.9 | 75 | 5.79 | 8.7 |
| W233792 | | 4.62 | 0.07 | 0.03 | 7.33 | 42.9 | 1450 | 1.91 | 0.65 | 3.26 | <0.02 | 99.8 | 10.7 | 59 | 6.64 | 31.2 |
| W233793 | | <0.02 | 0.07 | 0.03 | 6.91 | 42.8 | 1370 | 1.83 | 0.61 | 3.08 | <0.02 | 99.2 | 10.4 | 55 | 6.25 | 29.0 |
| W233794 | | 4.46 | 0.03 | 0.03 | 8.73 | 47.1 | 1830 | 2.78 | 0.52 | 2.40 | 0.05 | 136.5 | 14.2 | 55 | 6.94 | 34.3 |
| W233795 | | 1.38 | 0.35 | 0.15 | 6.67 | 315 | 270 | 2.31 | 0.68 | 2.99 | 0.04 | 289 | 59.5 | 45 | 8.45 | 175.0 |
| W233796 | | 1.46 | 0.13 | 0.05 | 7.96 | 45.4 | 1640 | 2.77 | 0.65 | 2.17 | 0.06 | 172.5 | 25.8 | 53 | 17.50 | 74.2 |
| W233797 | | 4.98 | 0.15 | 0.07 | 7.27 | 58.7 | 1570 | 2.77 | 0.34 | 2.29 | 0.08 | 147.5 | 32.2 | 48 | 15.65 | 97.2 |
| W233798 | | 1.75 | 0.04 | 0.02 | 7.40 | 21.1 | 1880 | 2.42 | 0.44 | 1.70 | 0.07 | 154.0 | 17.1 | 45 | 22.2 | 55.5 |
| W233799 | | 1.71 | 0.07 | 0.03 | 7.70 | 17.1 | 1960 | 2.37 | 0.52 | 1.86 | 0.10 | 152.0 | 16.8 | 45 | 22.3 | 43.9 |
| W233800 | | 1.25 | 0.14 | 0.08 | 8.76 | 74.4 | 2720 | 1.67 | 2.84 | 1.42 | 0.06 | 159.0 | 37.0 | 42 | 44.1 | 72.3 |

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

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**Finalized Date: 12-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20222454

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233761 | | 25.2 | 11.75 | 0.11 | 1.7 | 0.046 | 1.55 | 27.7 | 9.9 | 0.99 | 281 | 0.85 | 0.08 | 8.9 | 125.0 | 910 |
| W233762 | | 4.31 | 23.7 | 0.14 | 3.5 | 0.070 | 3.77 | 66.5 | 26.1 | 1.87 | 302 | 1.34 | 0.10 | 37.3 | 28.8 | 2080 |
| W233763 | | 4.08 | 22.3 | 0.13 | 3.0 | 0.068 | 3.94 | 65.6 | 24.1 | 1.94 | 553 | 0.55 | 0.13 | 34.1 | 36.9 | 1570 |
| W233764 | | 4.54 | 21.1 | 0.17 | 3.7 | 0.055 | 3.45 | 68.1 | 26.0 | 2.51 | 915 | 0.68 | 0.07 | 42.7 | 39.0 | 2080 |
| W233765 | | 2.36 | 15.10 | 0.15 | 2.6 | 0.044 | 2.76 | 32.6 | 8.5 | 1.08 | 446 | 1.24 | 0.06 | 19.7 | 19.5 | 870 |
| W233766 | | 2.62 | 20.3 | 0.19 | 3.9 | 0.062 | 3.62 | 56.0 | 11.5 | 1.77 | 524 | 1.07 | 0.08 | 39.8 | 35.5 | 1610 |
| W233767 | | 2.51 | 12.85 | 0.12 | 1.8 | 0.036 | 1.43 | 14.0 | 2.1 | 0.55 | 710 | 6.45 | 3.22 | 5.2 | 7.8 | 480 |
| W233768 | | 3.30 | 20.1 | 0.20 | 2.7 | 0.056 | 3.53 | 60.9 | 11.8 | 2.13 | 760 | 0.81 | 0.08 | 42.6 | 35.5 | 2010 |
| W233769 | | 3.39 | 23.7 | 0.19 | 3.0 | 0.072 | 4.30 | 59.8 | 18.2 | 2.07 | 588 | 0.65 | 0.08 | 32.0 | 40.9 | 1520 |
| W233770 | | 3.92 | 18.10 | 0.14 | 1.9 | 0.061 | 3.08 | 38.7 | 10.8 | 1.64 | 750 | 0.42 | 0.07 | 15.7 | 43.2 | 800 |
| W233771 | | 1.94 | 22.3 | 0.18 | 2.5 | 0.058 | 3.44 | 60.0 | 15.5 | 1.52 | 488 | 0.53 | 0.10 | 27.3 | 28.5 | 1290 |
| W233772 | | 2.22 | 6.11 | 0.10 | 0.6 | 0.043 | 0.89 | 14.4 | 3.5 | 0.85 | 669 | 0.52 | 0.04 | 8.3 | 14.8 | 1080 |
| W233773 | | 0.16 | 0.57 | 0.08 | 0.1 | 0.005 | 0.06 | 1.1 | 1.1 | 1.10 | 92 | 0.06 | 0.05 | 0.6 | 0.7 | 50 |
| W233774 | | 4.84 | 28.8 | 0.18 | 2.8 | 0.085 | 4.35 | 76.4 | 18.5 | 2.50 | 1020 | 0.53 | 0.15 | 35.8 | 35.2 | 2000 |
| W233775 | | 2.03 | 22.3 | 0.16 | 2.2 | 0.051 | 3.13 | 32.2 | 11.9 | 1.59 | 445 | 0.57 | 0.13 | 40.1 | 20.3 | 1890 |
| W233776 | | 5.75 | 3.82 | 0.10 | 0.4 | 0.105 | 0.32 | 33.5 | 1.8 | 0.59 | 1460 | 0.49 | 0.05 | 4.3 | 26.9 | 420 |
| W233777 | | 3.22 | 19.15 | 0.13 | 3.4 | 0.163 | 2.01 | 42.9 | 7.5 | 1.21 | 602 | 2.55 | 0.21 | 28.7 | 20.7 | 2090 |
| W233778 | | 3.84 | 20.2 | 0.17 | 3.1 | 0.067 | 3.06 | 54.1 | 11.7 | 1.44 | 710 | 1.59 | 0.08 | 27.1 | 34.3 | 1480 |
| W233779 | | 10.30 | 13.75 | 0.12 | 1.0 | 1.165 | 1.85 | 14.5 | 9.3 | 1.24 | 1020 | 30.9 | 1.68 | 3.1 | 16.0 | 1070 |
| W233780 | | 5.48 | 20.7 | 0.18 | 1.5 | 0.058 | 2.39 | 79.2 | 12.1 | 1.44 | 1280 | 0.62 | 0.06 | 37.6 | 33.3 | 2010 |
| W233781 | | 6.90 | 19.55 | 0.15 | 1.6 | 0.070 | 1.69 | 49.0 | 21.3 | 1.89 | 1180 | 0.54 | 0.04 | 34.7 | 36.4 | 1460 |
| W233782 | | 4.84 | 13.45 | 0.10 | 1.2 | 0.044 | 1.43 | 28.3 | 14.4 | 1.70 | 785 | 0.50 | 0.03 | 24.4 | 36.2 | 1160 |
| W233783 | | 5.05 | 19.25 | 0.14 | 2.7 | 0.079 | 2.63 | 49.4 | 16.7 | 1.65 | 741 | 0.81 | 0.05 | 36.4 | 34.2 | 1320 |
| W233784 | | 4.12 | 19.55 | 0.16 | 2.7 | 0.075 | 2.83 | 45.4 | 15.2 | 1.52 | 582 | 1.46 | 0.06 | 23.3 | 43.2 | 1070 |
| W233785 | | 4.96 | 18.85 | 0.15 | 2.2 | 0.057 | 2.94 | 43.0 | 15.0 | 2.05 | 789 | 0.49 | 0.05 | 20.4 | 37.8 | 1020 |
| W233786 | | 2.16 | 24.4 | 0.17 | 3.6 | 0.060 | 3.60 | 49.7 | 16.6 | 1.55 | 503 | 0.65 | 0.12 | 27.4 | 34.9 | 960 |
| W233787 | | 4.98 | 13.40 | 0.16 | 1.9 | 0.041 | 0.28 | 54.1 | 4.0 | 1.28 | 417 | 0.63 | 0.29 | 16.4 | 12.2 | 760 |
| W233788 | | 17.75 | 5.14 | 0.25 | 0.6 | 0.203 | 0.08 | 137.0 | 1.4 | 4.60 | 4310 | 0.32 | 0.09 | 3.8 | 63.8 | 410 |
| W233789 | | 4.47 | 15.45 | 0.09 | 1.7 | 0.035 | 0.32 | 24.0 | 3.6 | 1.44 | 379 | 0.84 | 0.33 | 25.2 | 25.7 | 1750 |
| W233790 | | 6.38 | 15.00 | 0.13 | 1.8 | 0.203 | 0.65 | 58.9 | 4.7 | 1.35 | 1040 | 0.87 | 0.27 | 23.5 | 34.2 | 1330 |
| W233791 | | 2.33 | 21.8 | 0.16 | 3.0 | 0.070 | 3.74 | 53.1 | 14.9 | 1.58 | 583 | 0.89 | 0.08 | 28.6 | 35.6 | 1240 |
| W233792 | | 4.59 | 20.0 | 0.17 | 2.6 | 0.070 | 3.59 | 52.2 | 17.7 | 2.11 | 932 | 0.79 | 0.07 | 23.4 | 36.7 | 1740 |
| W233793 | | 4.35 | 19.10 | 0.17 | 2.5 | 0.070 | 3.33 | 51.4 | 16.9 | 2.00 | 897 | 0.81 | 0.06 | 23.9 | 35.0 | 1650 |
| W233794 | | 3.88 | 23.5 | 0.19 | 2.9 | 0.075 | 4.24 | 70.2 | 23.8 | 1.53 | 722 | 1.00 | 0.09 | 39.5 | 37.5 | 2710 |
| W233795 | | 7.29 | 18.35 | 0.31 | 2.0 | 0.060 | 3.17 | 164.5 | 25.8 | 2.10 | 992 | 0.86 | 0.06 | 23.5 | 41.6 | 1800 |
| W233796 | | 6.17 | 22.1 | 0.20 | 3.1 | 0.076 | 4.29 | 97.8 | 27.1 | 2.04 | 594 | 1.71 | 0.07 | 36.2 | 37.4 | 2420 |
| W233797 | | 6.77 | 18.50 | 0.17 | 1.5 | 0.046 | 3.78 | 80.9 | 32.5 | 2.21 | 672 | 0.89 | 0.10 | 26.4 | 54.7 | 2110 |
| W233798 | | 7.40 | 19.90 | 0.18 | 1.7 | 0.059 | 3.99 | 82.6 | 42.1 | 2.53 | 775 | 0.76 | 0.09 | 41.1 | 44.7 | 2750 |
| W233799 | | 7.69 | 20.8 | 0.20 | 1.7 | 0.058 | 4.19 | 82.3 | 41.7 | 2.55 | 803 | 0.89 | 0.10 | 39.2 | 47.4 | 2760 |
| W233800 | | 13.15 | 25.7 | 0.21 | 1.6 | 0.068 | 4.64 | 82.4 | 70.4 | 4.25 | 1270 | 0.30 | 0.12 | 72.0 | 62.5 | 3010 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 12-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20222454

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233761 | | 5.3 | 72.2 | 0.004 | >10.0 | 3.21 | 8.9 | 9 | 5.5 | 17.6 | 0.48 | 1.41 | 5.69 | 0.184 | 0.40 | 2.1 |
| W233762 | | 2.6 | 177.5 | 0.007 | 0.86 | 0.76 | 18.9 | 1 | 14.6 | 35.1 | 1.92 | 0.07 | 12.25 | 0.708 | 1.07 | 3.9 |
| W233763 | | 2.4 | 173.0 | 0.004 | 0.96 | 0.85 | 17.8 | 1 | 16.0 | 51.9 | 1.78 | 0.07 | 12.20 | 0.653 | 1.09 | 3.0 |
| W233764 | | 2.0 | 154.0 | 0.002 | 1.35 | 0.74 | 17.4 | 2 | 16.8 | 51.5 | 2.25 | 0.07 | 12.30 | 0.882 | 0.82 | 2.9 |
| W233765 | | 3.3 | 118.0 | 0.007 | 0.60 | 0.43 | 9.5 | 1 | 9.1 | 30.2 | 1.15 | <0.05 | 9.19 | 0.411 | 0.55 | 2.4 |
| W233766 | | 2.4 | 157.5 | 0.006 | 1.09 | 1.21 | 13.8 | 1 | 14.3 | 44.1 | 2.19 | 0.05 | 12.45 | 0.777 | 0.72 | 3.3 |
| W233767 | | 1425 | 30.2 | 0.011 | 0.49 | 106.0 | 6.3 | 3 | 1.7 | 209 | 0.37 | 0.05 | 2.69 | 0.192 | 0.35 | 1.7 |
| W233768 | | 3.9 | 157.0 | 0.004 | 1.36 | 1.27 | 14.6 | 2 | 17.5 | 47.9 | 2.34 | 0.05 | 11.30 | 0.894 | 0.76 | 3.0 |
| W233769 | | 2.5 | 185.5 | 0.003 | 1.03 | 1.04 | 17.2 | 1 | 17.3 | 41.2 | 1.78 | 0.06 | 13.50 | 0.682 | 1.02 | 2.7 |
| W233770 | | 2.9 | 131.5 | <0.002 | 2.20 | 1.41 | 12.4 | 1 | 15.9 | 31.0 | 0.94 | 0.06 | 9.79 | 0.407 | 0.66 | 1.9 |
| W233771 | | 2.4 | 140.0 | 0.003 | 0.62 | 1.95 | 16.1 | 1 | 23.1 | 37.6 | 1.58 | <0.05 | 13.25 | 0.622 | 0.71 | 2.1 |
| W233772 | | 2.6 | 36.9 | 0.003 | 0.47 | 0.56 | 4.6 | <1 | 8.8 | 35.9 | 0.45 | 0.08 | 3.30 | 0.179 | 0.17 | 0.7 |
| W233773 | | 0.6 | 1.5 | <0.002 | 0.01 | 0.09 | 0.1 | 1 | 0.2 | 78.3 | 0.09 | <0.05 | 0.13 | 0.005 | <0.02 | 0.2 |
| W233774 | | 2.5 | 155.0 | 0.003 | 2.73 | 1.51 | 21.6 | 1 | 39.0 | 61.4 | 1.93 | 0.05 | 14.15 | 0.753 | 0.81 | 2.7 |
| W233775 | | 2.3 | 123.5 | 0.002 | 0.49 | 1.25 | 16.8 | <1 | 33.0 | 37.9 | 2.09 | 0.05 | 10.45 | 0.782 | 0.59 | 2.1 |
| W233776 | | 7.3 | 12.9 | <0.002 | 3.93 | 21.1 | 5.4 | 3 | 5.3 | 51.2 | 0.24 | 0.44 | 2.38 | 0.097 | 0.11 | 0.5 |
| W233777 | | 1.8 | 81.8 | 0.010 | 0.68 | 4.18 | 13.9 | 1 | 25.0 | 37.3 | 1.62 | 0.11 | 10.15 | 0.622 | 0.42 | 3.1 |
| W233778 | | 3.1 | 129.0 | 0.010 | 1.91 | 6.45 | 14.8 | 2 | 22.5 | 34.9 | 1.44 | 0.07 | 10.35 | 0.569 | 0.60 | 3.1 |
| W233779 | | 794 | 54.7 | 0.021 | 7.54 | 61.1 | 8.7 | 20 | 3.9 | 479 | 0.19 | 0.53 | 3.46 | 0.229 | 4.31 | 1.8 |
| W233780 | | 1.9 | 98.8 | 0.003 | 0.26 | 2.18 | 17.1 | <1 | 18.2 | 41.8 | 1.96 | <0.05 | 10.70 | 0.736 | 0.50 | 1.7 |
| W233781 | | 2.0 | 70.2 | 0.004 | 0.42 | 9.88 | 15.2 | 1 | 12.8 | 28.7 | 1.87 | 0.05 | 10.10 | 0.706 | 0.41 | 1.9 |
| W233782 | | 4.8 | 57.6 | 0.005 | 0.59 | 2.83 | 10.8 | 1 | 9.4 | 20.8 | 1.30 | 0.06 | 6.51 | 0.485 | 0.35 | 2.0 |
| W233783 | | 2.0 | 102.5 | 0.007 | 0.61 | 2.65 | 13.8 | 1 | 11.5 | 30.2 | 2.05 | 0.07 | 12.50 | 0.734 | 0.53 | 3.2 |
| W233784 | | 1.9 | 120.0 | 0.007 | 0.84 | 2.01 | 14.5 | 2 | 13.8 | 52.0 | 1.39 | 0.08 | 11.75 | 0.581 | 0.72 | 3.3 |
| W233785 | | 1.5 | 124.0 | 0.002 | 1.24 | 0.96 | 13.5 | 1 | 13.3 | 59.0 | 1.16 | <0.05 | 11.70 | 0.512 | 0.85 | 2.3 |
| W233786 | | 2.6 | 150.5 | 0.004 | 0.68 | 1.94 | 16.6 | 1 | 25.0 | 45.6 | 1.60 | 0.06 | 15.15 | 0.639 | 0.75 | 3.3 |
| W233787 | | 1.5 | 11.8 | 0.002 | 2.87 | 8.84 | 8.6 | 1 | 11.1 | 46.0 | 0.96 | <0.05 | 11.25 | 0.392 | 0.16 | 2.0 |
| W233788 | | 2.7 | 3.5 | 0.002 | 7.24 | 2.93 | 8.0 | 3 | 3.3 | 57.6 | 0.22 | 0.05 | 11.50 | 0.086 | 0.04 | 0.9 |
| W233789 | | 2.3 | 14.0 | 0.004 | 1.83 | 1.60 | 9.4 | 1 | 14.8 | 59.2 | 1.37 | 0.19 | 9.86 | 0.513 | 0.08 | 2.0 |
| W233790 | | 3.3 | 30.3 | 0.003 | 2.03 | 2.64 | 9.9 | 2 | 17.1 | 45.9 | 1.20 | 0.14 | 8.98 | 0.449 | 0.16 | 2.0 |
| W233791 | | 2.9 | 162.0 | 0.005 | 0.76 | 1.44 | 15.4 | 1 | 19.7 | 44.6 | 1.67 | <0.05 | 13.40 | 0.654 | 0.74 | 2.7 |
| W233792 | | 2.3 | 162.5 | 0.006 | 0.86 | 1.38 | 16.8 | 1 | 14.6 | 65.5 | 1.22 | <0.05 | 10.20 | 0.530 | 0.86 | 2.5 |
| W233793 | | 2.2 | 155.5 | 0.005 | 0.82 | 1.30 | 16.1 | 1 | 14.2 | 62.3 | 1.24 | <0.05 | 10.20 | 0.517 | 0.86 | 2.4 |
| W233794 | | 2.9 | 192.0 | 0.009 | 0.85 | 1.90 | 20.3 | 1 | 15.6 | 59.8 | 2.11 | <0.05 | 11.65 | 0.699 | 1.07 | 2.5 |
| W233795 | | 2.8 | 151.0 | 0.004 | 3.26 | 0.78 | 15.3 | 2 | 11.7 | 48.2 | 1.16 | 0.14 | 11.05 | 0.410 | 1.01 | 2.8 |
| W233796 | | 2.2 | 222 | 0.005 | 1.47 | 1.53 | 18.7 | 1 | 12.4 | 43.0 | 1.91 | 0.07 | 12.45 | 0.731 | 1.82 | 3.2 |
| W233797 | | 2.6 | 193.5 | 0.005 | 1.49 | 0.82 | 16.7 | 1 | 10.2 | 45.1 | 1.35 | 0.05 | 10.50 | 0.548 | 1.74 | 1.8 |
| W233798 | | 3.1 | 219 | 0.006 | 0.94 | 0.87 | 16.3 | 1 | 11.2 | 37.4 | 2.11 | <0.05 | 11.35 | 0.792 | 2.13 | 2.1 |
| W233799 | | 3.8 | 223 | 0.006 | 1.00 | 0.80 | 17.3 | 1 | 11.4 | 40.2 | 2.11 | <0.05 | 10.70 | 0.808 | 2.18 | 2.1 |
| W233800 | | 5.3 | 254 | <0.002 | 1.43 | 1.98 | 20.6 | 2 | 13.3 | 37.3 | 3.76 | 0.10 | 11.90 | 1.360 | 3.79 | 1.1 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 12-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20222454

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233761 | | 104 | 1.6 | 15.1 | 15 | 62.6 |
| W233762 | | 225 | 7.7 | 28.3 | 33 | 140.5 |
| W233763 | | 189 | 14.6 | 29.4 | 37 | 114.0 |
| W233764 | | 186 | 8.7 | 26.1 | 30 | 139.5 |
| W233765 | | 117 | 2.7 | 11.2 | 15 | 112.0 |
| W233766 | | 164 | 5.3 | 19.4 | 12 | 168.5 |
| W233767 | | 52 | 10.5 | 16.8 | 2680 | 58.8 |
| W233768 | | 172 | 7.6 | 19.7 | 19 | 114.0 |
| W233769 | | 182 | 10.0 | 23.5 | 21 | 123.5 |
| W233770 | | 122 | 4.3 | 12.2 | 9 | 75.3 |
| W233771 | | 148 | 6.9 | 13.3 | 7 | 96.7 |
| W233772 | | 47 | 2.6 | 6.2 | 10 | 25.1 |
| W233773 | | 1 | 0.1 | 2.0 | 3 | 3.1 |
| W233774 | | 227 | 9.5 | 18.6 | 9 | 107.0 |
| W233775 | | 181 | 10.4 | 12.7 | 9 | 93.0 |
| W233776 | | 33 | 1.6 | 7.3 | 293 | 16.8 |
| W233777 | | 193 | 9.1 | 12.0 | 23 | 131.0 |
| W233778 | | 191 | 7.1 | 14.2 | 9 | 126.5 |
| W233779 | | 130 | 7.4 | 10.2 | 2140 | 30.5 |
| W233780 | | 191 | 7.7 | 21.4 | 38 | 62.0 |
| W233781 | | 165 | 6.8 | 20.7 | 65 | 67.1 |
| W233782 | | 122 | 4.7 | 14.2 | 51 | 52.2 |
| W233783 | | 157 | 4.5 | 26.0 | 50 | 108.5 |
| W233784 | | 163 | 5.4 | 20.1 | 28 | 104.5 |
| W233785 | | 123 | 3.1 | 14.7 | 25 | 88.9 |
| W233786 | | 156 | 6.9 | 15.4 | 10 | 140.5 |
| W233787 | | 84 | 4.6 | 9.7 | 11 | 75.7 |
| W233788 | | 25 | 1.4 | 25.3 | 18 | 23.3 |
| W233789 | | 105 | 6.2 | 10.9 | 12 | 69.5 |
| W233790 | | 105 | 6.3 | 12.4 | 16 | 73.9 |
| W233791 | | 162 | 5.1 | 19.1 | 15 | 115.0 |
| W233792 | | 184 | 4.8 | 21.5 | 16 | 118.5 |
| W233793 | | 177 | 5.1 | 21.0 | 15 | 95.6 |
| W233794 | | 244 | 14.1 | 23.1 | 16 | 122.0 |
| W233795 | | 164 | 16.2 | 31.6 | 30 | 92.0 |
| W233796 | | 202 | 10.3 | 31.6 | 34 | 120.0 |
| W233797 | | 181 | 13.0 | 28.1 | 44 | 61.0 |
| W233798 | | 259 | 6.4 | 29.0 | 60 | 69.8 |
| W233799 | | 274 | 8.0 | 28.8 | 62 | 79.6 |
| W233800 | | 244 | 1.4 | 29.0 | 109 | 76.2 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 12-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20222454

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 9-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20222442

Project: Rau

P.O. No.: R20-D42

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 9-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20222442

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233801 | | 2.25 | 0.06 | 0.07 | 6.76 | 48.6 | 1030 | 1.32 | 1.74 | 1.39 | 0.08 | 130.5 | 32.9 | 40 | 28.4 | 79.0 |
| W233802 | | 3.83 | 0.03 | 0.02 | 8.51 | 26.6 | 2080 | 2.16 | 1.06 | 1.27 | 0.02 | 119.5 | 25.6 | 55 | 16.65 | 63.6 |
| W233803 | | 3.80 | 0.03 | 0.01 | 7.58 | 44.9 | 1880 | 1.68 | 0.71 | 1.00 | 0.02 | 110.5 | 28.0 | 52 | 16.55 | 59.5 |
| W233804 | | 4.09 | 0.03 | 0.01 | 7.74 | 32.5 | 1830 | 2.11 | 0.27 | 1.29 | 0.02 | 100.5 | 21.1 | 58 | 13.70 | 45.6 |
| W233805 | | 3.45 | 0.02 | 0.01 | 7.95 | 37.0 | 1870 | 1.79 | 0.76 | 1.72 | 0.03 | 114.5 | 28.5 | 51 | 15.75 | 73.8 |
| W233806 | | 0.16 | 1.21 | 68.5 | 7.43 | 29.9 | 4620 | 0.94 | 0.13 | 1.97 | 15.00 | 27.6 | 5.1 | 19 | 0.44 | 225 |
| W233807 | | 4.73 | 0.01 | 0.10 | 7.72 | 95.1 | 1290 | 1.62 | 1.00 | 1.25 | 0.11 | 130.0 | 57.9 | 37 | 15.15 | 156.0 |
| W233808 | | 9.16 | 0.02 | <0.01 | 6.81 | 27.1 | 1500 | 1.78 | 0.20 | 0.70 | <0.02 | 80.2 | 16.1 | 61 | 10.45 | 20.9 |
| W233809 | | 4.49 | 0.01 | 0.09 | 5.92 | 40.8 | 960 | 1.63 | 0.24 | 1.13 | 0.09 | 68.0 | 23.6 | 56 | 5.16 | 76.0 |
| W233810 | | 1.36 | 0.01 | 0.06 | 7.76 | 26.3 | 1340 | 2.70 | 0.22 | 2.38 | 0.09 | 100.5 | 16.5 | 59 | 9.55 | 24.1 |
| W233811 | | 3.11 | 0.02 | 0.06 | 6.78 | 42.1 | 1390 | 2.18 | 0.30 | 1.11 | 0.10 | 86.4 | 17.6 | 59 | 10.65 | 56.7 |
| W233812 | | 2.01 | <0.01 | 0.05 | 6.39 | 15.6 | 1070 | 1.92 | 0.26 | 0.98 | 0.02 | 76.8 | 11.8 | 55 | 6.18 | 19.6 |
| W233813 | | 1.96 | <0.01 | 0.03 | 6.63 | 21.2 | 1000 | 2.01 | 0.21 | 1.23 | <0.02 | 71.7 | 11.5 | 57 | 4.94 | 14.5 |
| W233814 | | 2.48 | 0.01 | 0.04 | 6.93 | 13.2 | 1360 | 1.80 | 0.27 | 0.81 | 0.03 | 92.0 | 15.5 | 58 | 9.09 | 41.6 |
| W233815 | | 9.26 | 0.01 | 0.06 | 6.86 | 16.2 | 1380 | 1.96 | 0.49 | 0.72 | 0.04 | 92.3 | 16.1 | 57 | 9.42 | 51.3 |
| W233816 | | 3.17 | 0.01 | 0.05 | 6.37 | 43.6 | 920 | 2.07 | 0.34 | 3.89 | 0.03 | 88.0 | 15.1 | 55 | 5.86 | 18.7 |
| W233817 | | 4.28 | <0.01 | 0.08 | 6.85 | 22.0 | 1340 | 2.21 | 0.33 | 2.35 | 0.05 | 92.6 | 14.4 | 56 | 7.95 | 43.2 |
| W233818 | | 1.81 | 0.01 | 0.13 | 6.81 | 267 | 580 | 2.62 | 0.75 | 2.11 | 0.12 | 91.2 | 61.6 | 59 | 5.95 | 98.5 |
| W233819 | | 0.28 | 3.10 | 6.55 | 7.69 | 1910 | 140 | 1.68 | 0.52 | 3.21 | 1.21 | 39.8 | 21.8 | 16 | 7.73 | 185.5 |
| W233820 | | 1.47 | <0.01 | 0.13 | 6.88 | 186.5 | 820 | 2.70 | 0.67 | 1.89 | 0.14 | 86.6 | 38.5 | 53 | 9.64 | 86.2 |
| W233821 | | 4.56 | <0.01 | 0.06 | 7.92 | 53.1 | 1740 | 2.33 | 0.24 | 1.20 | 0.03 | 115.5 | 22.4 | 55 | 11.75 | 44.7 |
| W233822 | | 3.21 | 0.01 | 0.05 | 6.92 | 48.1 | 1510 | 2.33 | 0.38 | 1.29 | 0.04 | 89.4 | 19.8 | 54 | 12.45 | 39.4 |
| W233823 | | 1.72 | 0.02 | 0.04 | 7.93 | 62.8 | 1690 | 2.65 | 0.38 | 2.18 | 0.06 | 119.0 | 30.0 | 70 | 9.33 | 32.9 |
| W233824 | | 2.96 | 0.02 | 0.05 | 6.60 | 35.0 | 1350 | 2.30 | 0.81 | 2.47 | 0.08 | 98.0 | 26.0 | 69 | 9.74 | 84.5 |
| W233825 | | 4.35 | <0.01 | 0.03 | 7.49 | 10.8 | 1530 | 2.79 | 0.43 | 1.81 | 0.04 | 129.5 | 14.6 | 72 | 10.55 | 45.2 |
| W233826 | | <0.02 | <0.01 | 0.05 | 7.58 | 8.1 | 1540 | 2.96 | 0.43 | 1.86 | 0.06 | 130.5 | 14.8 | 73 | 10.95 | 50.1 |
| W233827 | | 4.34 | <0.01 | 0.04 | 9.03 | 19.7 | 1960 | 3.28 | 0.23 | 1.49 | 0.06 | 155.5 | 13.5 | 60 | 12.40 | 28.4 |
| W233828 | | 3.32 | 0.01 | 0.05 | 8.49 | 24.9 | 1710 | 3.24 | 0.51 | 2.12 | 0.08 | 135.0 | 21.5 | 64 | 10.35 | 47.4 |
| W233829 | | 3.09 | 0.03 | 0.05 | 8.70 | 26.1 | 1840 | 2.75 | 0.24 | 1.41 | 0.05 | 134.5 | 13.4 | 64 | 11.85 | 24.2 |
| W233830 | | 0.31 | 0.03 | 0.03 | 4.89 | 5.9 | 1010 | 1.45 | 0.26 | 1.80 | 0.14 | 62.5 | 9.6 | 39 | 9.61 | 21.0 |
| W233831 | | 1.42 | <0.01 | 0.01 | 0.10 | <0.2 | 30 | 0.09 | 0.01 | 36.3 | <0.02 | 1.17 | 0.7 | 3 | <0.05 | 3.6 |
| W233832 | | 1.99 | 0.01 | 0.05 | 7.71 | 35.3 | 1900 | 1.87 | 0.19 | 1.06 | 0.05 | 111.0 | 15.4 | 57 | 14.20 | 14.3 |
| W233833 | | 2.51 | 0.01 | 0.04 | 9.48 | 118.0 | 2210 | 2.76 | 0.20 | 2.03 | 0.14 | 220 | 12.4 | 54 | 16.35 | 10.8 |
| W233834 | | 2.66 | 0.01 | 0.04 | 8.19 | 31.9 | 2150 | 1.95 | 0.17 | 1.47 | 0.06 | 141.0 | 16.6 | 45 | 16.20 | 6.7 |
| W233835 | | 2.79 | 0.02 | 0.04 | 8.09 | 42.0 | 1960 | 2.25 | 0.20 | 2.20 | 0.04 | 131.0 | 20.4 | 53 | 14.85 | 10.6 |
| W233836 | | 3.94 | 0.01 | 0.07 | 8.13 | 86.8 | 1780 | 2.08 | 1.36 | 1.39 | 0.07 | 102.5 | 18.3 | 63 | 10.15 | 24.2 |
| W233837 | | 3.66 | 0.02 | 0.01 | 8.35 | 38.7 | 1910 | 2.27 | 0.29 | 1.41 | 0.03 | 146.0 | 23.7 | 43 | 12.35 | 11.6 |
| W233838 | | 0.56 | 0.01 | 0.10 | 4.88 | 111.5 | 960 | 1.21 | 0.32 | 4.88 | 0.11 | 75.2 | 13.2 | 37 | 4.28 | 23.9 |
| W233839 | | 4.03 | 0.01 | 0.07 | 8.26 | 17.3 | 1630 | 2.40 | 0.20 | 2.48 | 0.03 | 162.5 | 12.3 | 49 | 11.65 | 10.5 |
| W233840 | | 1.03 | 0.02 | 0.06 | 7.68 | 552 | 640 | 2.28 | 0.72 | 1.55 | 0.06 | 120.5 | 34.6 | 46 | 11.35 | 59.8 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 9-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20222442

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233801 | | 9.63 | 19.65 | 0.20 | 0.8 | 0.053 | 3.83 | 71.1 | 44.4 | 2.85 | 856 | 0.38 | 0.07 | 48.6 | 65.8 | 2280 |
| W233802 | | 7.19 | 23.8 | 0.17 | 2.9 | 0.073 | 4.11 | 63.0 | 36.7 | 2.17 | 664 | 1.13 | 0.10 | 52.1 | 55.6 | 2380 |
| W233803 | | 7.56 | 21.1 | 0.17 | 1.9 | 0.070 | 3.97 | 58.3 | 32.6 | 2.18 | 767 | 0.56 | 0.09 | 50.4 | 43.0 | 2260 |
| W233804 | | 5.71 | 21.4 | 0.14 | 2.3 | 0.065 | 3.77 | 54.5 | 24.1 | 1.71 | 693 | 0.59 | 0.16 | 45.5 | 37.0 | 1950 |
| W233805 | | 8.24 | 21.9 | 0.16 | 1.5 | 0.072 | 3.97 | 59.1 | 31.4 | 2.41 | 1020 | 0.39 | 0.15 | 56.6 | 39.3 | 2460 |
| W233806 | | 2.69 | 13.90 | 0.07 | 2.0 | 0.037 | 1.55 | 15.1 | 2.6 | 0.59 | 773 | 6.82 | 3.39 | 5.8 | 8.1 | 520 |
| W233807 | | 14.25 | 21.9 | 0.18 | 1.1 | 0.052 | 2.75 | 66.0 | 52.6 | 3.78 | 1340 | 0.29 | 0.15 | 66.6 | 66.9 | 2780 |
| W233808 | | 6.18 | 18.80 | 0.14 | 2.4 | 0.058 | 3.16 | 43.7 | 26.8 | 1.79 | 646 | 0.33 | 0.14 | 32.2 | 31.6 | 1210 |
| W233809 | | 6.15 | 15.60 | 0.10 | 1.9 | 0.046 | 2.00 | 36.0 | 33.4 | 1.98 | 620 | 0.47 | 0.08 | 26.8 | 30.1 | 1560 |
| W233810 | | 5.43 | 20.9 | 0.14 | 3.1 | 0.043 | 2.82 | 53.5 | 33.0 | 1.89 | 696 | 0.86 | 0.36 | 44.7 | 27.5 | 1730 |
| W233811 | | 6.43 | 17.75 | 0.12 | 2.1 | 0.047 | 3.35 | 45.8 | 31.7 | 1.99 | 495 | 0.61 | 0.15 | 31.3 | 34.9 | 1250 |
| W233812 | | 5.46 | 16.45 | 0.11 | 1.8 | 0.061 | 2.56 | 41.5 | 32.0 | 1.47 | 466 | 0.29 | 0.07 | 28.5 | 25.7 | 1060 |
| W233813 | | 5.43 | 16.95 | 0.12 | 1.9 | 0.064 | 2.39 | 38.1 | 34.2 | 1.50 | 518 | 0.25 | 0.07 | 28.4 | 23.7 | 1090 |
| W233814 | | 7.19 | 18.30 | 0.11 | 1.2 | 0.062 | 3.19 | 48.9 | 26.6 | 1.78 | 646 | 0.35 | 0.19 | 33.7 | 34.5 | 1270 |
| W233815 | | 7.01 | 18.55 | 0.13 | 1.3 | 0.070 | 3.36 | 48.2 | 26.0 | 1.79 | 590 | 0.35 | 0.14 | 32.3 | 37.6 | 1180 |
| W233816 | | 5.42 | 17.20 | 0.14 | 1.8 | 0.120 | 2.61 | 46.1 | 25.6 | 1.52 | 1190 | 0.34 | 0.06 | 33.9 | 30.2 | 1180 |
| W233817 | | 5.08 | 18.45 | 0.13 | 2.0 | 0.055 | 3.29 | 48.9 | 24.3 | 1.69 | 705 | 0.47 | 0.10 | 36.3 | 26.2 | 1590 |
| W233818 | | 5.71 | 17.75 | 0.12 | 1.6 | 0.046 | 2.44 | 47.5 | 25.7 | 1.64 | 477 | 0.39 | 0.16 | 26.3 | 29.1 | 1470 |
| W233819 | | 6.30 | 16.00 | 0.12 | 1.7 | 0.078 | 2.96 | 19.6 | 43.2 | 1.10 | 1430 | 3.20 | 0.34 | 6.2 | 12.4 | 1910 |
| W233820 | | 7.52 | 17.45 | 0.12 | 1.8 | 0.046 | 2.71 | 44.1 | 35.1 | 1.87 | 583 | 0.38 | 0.23 | 36.2 | 44.2 | 1620 |
| W233821 | | 7.65 | 21.4 | 0.14 | 2.2 | 0.059 | 3.93 | 61.2 | 38.2 | 2.04 | 806 | 0.41 | 0.18 | 60.9 | 41.1 | 1850 |
| W233822 | | 6.20 | 18.45 | 0.12 | 2.3 | 0.050 | 3.34 | 47.5 | 28.3 | 1.83 | 695 | 0.60 | 0.16 | 50.6 | 35.8 | 1530 |
| W233823 | | 3.65 | 23.0 | 0.13 | 3.6 | 0.076 | 3.76 | 61.1 | 19.8 | 1.35 | 625 | 0.70 | 0.12 | 62.4 | 35.9 | 1940 |
| W233824 | | 5.52 | 18.35 | 0.15 | 2.6 | 0.067 | 3.10 | 51.7 | 26.4 | 1.74 | 721 | 1.60 | 0.13 | 49.9 | 46.2 | 1570 |
| W233825 | | 5.09 | 20.7 | 0.18 | 3.1 | 0.073 | 3.51 | 66.5 | 23.8 | 1.72 | 703 | 1.14 | 0.15 | 62.7 | 28.5 | 1820 |
| W233826 | | 5.20 | 21.1 | 0.17 | 3.2 | 0.065 | 3.53 | 66.3 | 24.5 | 1.76 | 721 | 1.15 | 0.16 | 62.4 | 28.3 | 1860 |
| W233827 | | 5.82 | 25.1 | 0.17 | 2.9 | 0.084 | 4.36 | 79.5 | 27.2 | 1.97 | 768 | 0.50 | 0.19 | 79.4 | 28.4 | 2110 |
| W233828 | | 5.34 | 23.0 | 0.18 | 3.8 | 0.072 | 3.87 | 71.5 | 22.6 | 1.75 | 789 | 1.23 | 0.19 | 63.0 | 34.6 | 1870 |
| W233829 | | 5.51 | 22.0 | 0.16 | 3.4 | 0.083 | 4.24 | 68.7 | 22.6 | 1.78 | 843 | 0.79 | 0.16 | 61.3 | 23.3 | 1810 |
| W233830 | | 5.01 | 13.70 | 0.09 | 0.6 | 0.047 | 2.39 | 32.6 | 21.0 | 1.59 | 760 | 0.35 | 0.09 | 31.9 | 14.9 | 1120 |
| W233831 | | 0.23 | 0.36 | 0.05 | <0.1 | <0.005 | 0.04 | 1.2 | 1.1 | 1.55 | 97 | 0.07 | 0.03 | 0.3 | 0.7 | 60 |
| W233832 | | 7.14 | 20.2 | 0.11 | 1.3 | 0.072 | 4.08 | 57.7 | 25.2 | 2.13 | 910 | 0.67 | 0.13 | 47.6 | 19.6 | 1520 |
| W233833 | | 7.54 | 25.3 | 0.21 | 2.3 | 0.085 | 4.43 | 114.0 | 31.0 | 2.54 | 936 | 0.51 | 0.21 | 74.7 | 15.7 | 2010 |
| W233834 | | 8.18 | 22.0 | 0.15 | 1.2 | 0.064 | 4.31 | 71.8 | 29.6 | 2.38 | 1100 | 0.38 | 0.19 | 76.3 | 28.7 | 1930 |
| W233835 | | 8.08 | 21.4 | 0.19 | 1.1 | 0.063 | 4.18 | 68.1 | 31.3 | 2.63 | 1220 | 0.48 | 0.18 | 62.0 | 31.8 | 1650 |
| W233836 | | 4.69 | 22.1 | 0.14 | 3.0 | 0.077 | 4.07 | 52.8 | 18.6 | 1.63 | 516 | 1.57 | 0.10 | 30.8 | 27.3 | 1540 |
| W233837 | | 5.40 | 22.4 | 0.18 | 2.4 | 0.076 | 3.99 | 71.5 | 24.1 | 1.78 | 944 | 0.71 | 0.17 | 70.0 | 22.8 | 1940 |
| W233838 | | 3.61 | 13.85 | 0.09 | 1.4 | 0.039 | 1.94 | 39.1 | 20.4 | 1.10 | 446 | 0.38 | 0.07 | 33.6 | 13.9 | 1000 |
| W233839 | | 5.88 | 22.2 | 0.18 | 2.8 | 0.060 | 3.32 | 82.5 | 25.9 | 1.98 | 766 | 0.43 | 0.28 | 83.1 | 21.8 | 1510 |
| W233840 | | 8.31 | 21.3 | 0.14 | 1.6 | 0.066 | 3.53 | 61.0 | 25.5 | 2.18 | 514 | 0.33 | 0.19 | 43.9 | 31.0 | 1400 |

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

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Project: Rau


**Finalized Date: 9-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20222442

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233801 | | 5.7 | 214 | 0.002 | 1.41 | 2.60 | 15.9 | 2 | 9.4 | 28.8 | 2.66 | 0.09 | 10.40 | 0.908 | 2.48 | 1.2 |
| W233802 | | 2.9 | 187.5 | 0.008 | 1.09 | 2.02 | 21.0 | 2 | 13.8 | 36.6 | 2.92 | 0.06 | 12.20 | 0.963 | 1.58 | 3.2 |
| W233803 | | 2.6 | 186.5 | 0.003 | 0.83 | 1.52 | 19.0 | 1 | 8.8 | 38.3 | 2.84 | 0.06 | 10.75 | 0.937 | 1.74 | 2.0 |
| W233804 | | 1.8 | 174.5 | 0.004 | 0.39 | 0.96 | 18.8 | 1 | 6.7 | 60.4 | 2.58 | <0.05 | 11.70 | 0.863 | 1.23 | 2.5 |
| W233805 | | 3.2 | 181.5 | <0.002 | 0.61 | 1.85 | 18.9 | 1 | 7.0 | 64.4 | 3.19 | 0.05 | 11.75 | 1.070 | 1.41 | 1.7 |
| W233806 | | 1535 | 31.2 | 0.007 | 0.52 | 114.0 | 7.1 | 3 | 1.8 | 223 | 0.42 | 0.06 | 3.00 | 0.209 | 0.37 | 1.8 |
| W233807 | | 6.3 | 140.5 | <0.002 | 1.58 | 3.21 | 19.2 | 2 | 5.9 | 51.9 | 3.56 | 0.11 | 10.90 | 1.185 | 1.33 | 1.1 |
| W233808 | | 1.8 | 147.0 | <0.002 | 0.17 | 0.61 | 15.7 | 1 | 5.2 | 42.2 | 1.90 | 0.05 | 11.00 | 0.711 | 1.01 | 2.2 |
| W233809 | | 3.3 | 87.3 | 0.002 | 0.85 | 0.74 | 14.5 | 2 | 4.3 | 28.7 | 1.48 | <0.05 | 8.05 | 0.578 | 0.53 | 2.1 |
| W233810 | | 3.3 | 145.0 | 0.005 | 0.28 | 0.56 | 20.5 | 1 | 4.4 | 121.0 | 2.37 | <0.05 | 11.50 | 0.899 | 0.94 | 3.2 |
| W233811 | | 3.3 | 164.0 | <0.002 | 0.73 | 0.72 | 15.7 | 1 | 4.7 | 52.0 | 1.70 | <0.05 | 10.15 | 0.707 | 1.09 | 2.3 |
| W233812 | | 1.3 | 118.0 | <0.002 | 0.21 | 1.21 | 14.2 | 1 | 4.1 | 26.6 | 1.55 | <0.05 | 9.73 | 0.627 | 0.69 | 1.9 |
| W233813 | | 1.1 | 106.0 | <0.002 | 0.19 | 1.25 | 14.7 | <1 | 4.2 | 27.5 | 1.61 | <0.05 | 9.28 | 0.656 | 0.56 | 1.9 |
| W233814 | | 1.9 | 153.5 | <0.002 | 0.26 | 0.80 | 15.5 | 1 | 5.0 | 50.0 | 1.85 | <0.05 | 10.20 | 0.770 | 1.00 | 1.5 |
| W233815 | | 2.1 | 163.0 | <0.002 | 0.29 | 1.10 | 15.4 | 1 | 5.4 | 44.8 | 1.66 | <0.05 | 10.65 | 0.713 | 0.98 | 1.5 |
| W233816 | | 1.7 | 138.0 | 0.002 | 0.20 | 1.73 | 15.9 | <1 | 18.4 | 52.2 | 1.81 | 0.05 | 10.50 | 0.711 | 0.74 | 2.0 |
| W233817 | | 1.8 | 147.5 | 0.003 | 0.28 | 0.86 | 15.9 | 1 | 4.8 | 59.7 | 1.93 | <0.05 | 10.70 | 0.771 | 0.87 | 2.0 |
| W233818 | | 3.3 | 105.5 | <0.002 | 1.73 | 0.96 | 15.8 | 1 | 5.9 | 60.8 | 1.41 | 0.11 | 9.79 | 0.570 | 0.68 | 1.8 |
| W233819 | | 31.6 | 112.5 | <0.002 | 4.15 | 23.2 | 22.3 | 15 | 1.9 | 189.5 | 0.34 | 0.10 | 4.17 | 0.426 | 2.17 | 2.0 |
| W233820 | | 3.1 | 125.0 | 0.002 | 1.65 | 1.07 | 17.2 | 2 | 4.9 | 84.3 | 1.93 | 0.09 | 11.00 | 0.712 | 0.94 | 1.9 |
| W233821 | | 2.1 | 156.5 | 0.004 | 0.42 | 1.01 | 19.3 | 1 | 5.6 | 78.5 | 3.14 | <0.05 | 13.65 | 0.980 | 1.19 | 2.1 |
| W233822 | | 2.1 | 143.5 | 0.002 | 0.43 | 0.73 | 16.2 | 1 | 4.8 | 67.8 | 2.55 | 0.05 | 11.15 | 0.827 | 1.03 | 2.4 |
| W233823 | | 1.8 | 150.0 | 0.003 | 0.35 | 1.93 | 18.4 | 1 | 5.6 | 68.6 | 3.30 | <0.05 | 14.50 | 0.890 | 0.84 | 3.6 |
| W233824 | | 2.0 | 130.0 | 0.003 | 0.72 | 1.19 | 13.8 | 1 | 4.5 | 68.0 | 2.66 | 0.06 | 11.85 | 0.708 | 0.84 | 2.8 |
| W233825 | | 2.3 | 150.0 | 0.004 | 0.51 | 1.09 | 16.6 | 1 | 4.9 | 82.0 | 3.41 | <0.05 | 13.60 | 0.866 | 0.92 | 3.1 |
| W233826 | | 2.3 | 150.0 | 0.003 | 0.51 | 1.02 | 17.0 | 1 | 5.6 | 83.8 | 3.40 | <0.05 | 14.00 | 0.869 | 0.99 | 3.2 |
| W233827 | | 2.9 | 187.0 | 0.002 | 0.39 | 1.81 | 21.8 | 1 | 6.0 | 95.4 | 4.12 | <0.05 | 15.35 | 1.095 | 1.15 | 2.8 |
| W233828 | | 3.0 | 160.0 | 0.002 | 0.56 | 1.77 | 18.5 | 1 | 5.1 | 96.3 | 3.45 | <0.05 | 15.25 | 0.938 | 1.06 | 3.6 |
| W233829 | | 3.1 | 161.5 | 0.002 | 0.43 | 1.13 | 17.5 | 1 | 5.6 | 75.6 | 3.43 | <0.05 | 15.20 | 1.005 | 1.10 | 3.0 |
| W233830 | | 5.4 | 107.0 | <0.002 | 0.38 | 0.76 | 10.2 | 1 | 3.8 | 56.1 | 1.66 | <0.05 | 7.28 | 0.562 | 0.84 | 0.7 |
| W233831 | | <0.5 | 1.1 | <0.002 | 0.04 | 0.07 | 0.2 | 1 | <0.2 | 87.3 | <0.05 | <0.05 | 0.11 | 0.007 | <0.02 | 0.2 |
| W233832 | | 4.0 | 162.0 | <0.002 | 0.33 | 1.07 | 15.3 | <1 | 5.9 | 65.6 | 2.77 | <0.05 | 11.90 | 0.959 | 1.35 | 1.2 |
| W233833 | | 4.9 | 187.0 | <0.002 | 0.30 | 0.77 | 19.9 | <1 | 9.4 | 140.0 | 4.32 | <0.05 | 21.4 | 0.963 | 1.46 | 1.9 |
| W233834 | | 3.2 | 181.5 | <0.002 | 0.21 | 0.81 | 17.4 | 1 | 6.9 | 92.7 | 4.10 | <0.05 | 14.95 | 1.075 | 1.55 | 0.9 |
| W233835 | | 2.8 | 180.5 | <0.002 | 0.36 | 0.70 | 17.3 | 1 | 6.9 | 89.1 | 3.37 | <0.05 | 14.50 | 0.980 | 1.53 | 1.2 |
| W233836 | | 3.6 | 164.5 | <0.002 | 1.09 | 0.93 | 18.6 | 1 | 8.6 | 48.2 | 1.69 | 0.06 | 11.50 | 0.599 | 1.02 | 3.0 |
| W233837 | | 1.8 | 163.5 | <0.002 | 0.41 | 0.54 | 20.1 | 1 | 6.6 | 67.5 | 3.78 | <0.05 | 12.15 | 1.045 | 1.15 | 2.2 |
| W233838 | | 12.3 | 76.3 | <0.002 | 0.82 | 3.55 | 10.4 | 1 | 5.4 | 41.3 | 1.74 | <0.05 | 7.30 | 0.472 | 0.54 | 1.3 |
| W233839 | | 2.7 | 140.5 | 0.002 | 0.42 | 0.52 | 15.2 | 1 | 6.3 | 113.0 | 4.42 | <0.05 | 15.35 | 0.792 | 1.11 | 2.1 |
| W233840 | | 3.8 | 150.0 | <0.002 | 1.89 | 0.63 | 15.4 | 2 | 7.6 | 78.0 | 2.24 | 0.14 | 12.30 | 0.539 | 1.11 | 1.3 |

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

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**Finalized Date: 9-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20222442

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233801 | | 189 | 1.2 | 21.5 | 78 | 31.6 |
| W233802 | | 264 | 3.9 | 26.3 | 49 | 130.5 |
| W233803 | | 207 | 1.9 | 23.2 | 57 | 78.5 |
| W233804 | | 184 | 2.2 | 22.8 | 50 | 91.7 |
| W233805 | | 203 | 2.4 | 23.7 | 86 | 67.6 |
| W233806 | | 56 | 14.4 | 17.5 | 2910 | 59.6 |
| W233807 | | 197 | 3.3 | 27.7 | 155 | 37.2 |
| W233808 | | 145 | 2.1 | 18.8 | 66 | 89.7 |
| W233809 | | 143 | 4.4 | 17.9 | 65 | 66.5 |
| W233810 | | 208 | 1.4 | 24.4 | 59 | 116.5 |
| W233811 | | 149 | 1.3 | 17.9 | 61 | 92.0 |
| W233812 | | 134 | 1.7 | 18.8 | 43 | 67.5 |
| W233813 | | 143 | 1.9 | 19.4 | 46 | 71.3 |
| W233814 | | 140 | 2.1 | 28.0 | 82 | 44.4 |
| W233815 | | 140 | 2.1 | 27.3 | 90 | 48.4 |
| W233816 | | 155 | 4.6 | 23.6 | 42 | 71.6 |
| W233817 | | 158 | 2.1 | 24.6 | 54 | 78.4 |
| W233818 | | 140 | 3.9 | 21.7 | 53 | 64.3 |
| W233819 | | 206 | 2.0 | 15.4 | 160 | 60.8 |
| W233820 | | 161 | 2.8 | 23.2 | 75 | 72.2 |
| W233821 | | 183 | 2.5 | 25.5 | 77 | 89.6 |
| W233822 | | 172 | 1.3 | 21.3 | 58 | 94.4 |
| W233823 | | 221 | 2.4 | 27.9 | 32 | 147.5 |
| W233824 | | 151 | 1.6 | 23.3 | 52 | 105.5 |
| W233825 | | 155 | 1.7 | 28.1 | 45 | 125.0 |
| W233826 | | 156 | 1.6 | 29.1 | 46 | 129.5 |
| W233827 | | 196 | 1.8 | 35.0 | 55 | 123.0 |
| W233828 | | 167 | 1.7 | 32.8 | 56 | 155.0 |
| W233829 | | 162 | 1.5 | 30.6 | 55 | 147.5 |
| W233830 | | 89 | 0.8 | 13.2 | 61 | 23.8 |
| W233831 | | 1 | <0.1 | 2.3 | 3 | 1.7 |
| W233832 | | 144 | 1.3 | 18.7 | 72 | 42.2 |
| W233833 | | 183 | 2.3 | 31.8 | 85 | 96.9 |
| W233834 | | 163 | 1.0 | 23.2 | 82 | 38.2 |
| W233835 | | 157 | 0.8 | 22.5 | 77 | 42.9 |
| W233836 | | 161 | 1.1 | 21.0 | 36 | 119.5 |
| W233837 | | 180 | 1.1 | 26.9 | 47 | 107.0 |
| W233838 | | 92 | 1.2 | 18.3 | 32 | 59.1 |
| W233839 | | 132 | 1.3 | 34.8 | 60 | 112.5 |
| W233840 | | 120 | 1.5 | 23.2 | 60 | 88.0 |

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

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

Project: Rau


**Finalized Date: 9-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20222442

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227684

Project: Rau

P.O. No.: R20-D43

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227684

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R614001 | | 5.91 | 0.44 | 0.27 | 4.93 | 199.0 | 500 | 2.00 | 24.5 | 2.61 | <0.02 | 69.0 | 15.3 | 75 | 3.36 | 7.0 |
| R614002 | | 5.80 | 0.22 | 0.20 | 4.44 | 1520 | 710 | 1.92 | 21.4 | 3.32 | 0.05 | 72.9 | 18.0 | 71 | 2.79 | 5.3 |
| R614003 | | 5.90 | 0.10 | 0.07 | 4.75 | 432 | 800 | 1.96 | 9.41 | 1.27 | 0.02 | 81.1 | 8.1 | 82 | 2.57 | 3.1 |
| R614004 | | 3.15 | 0.19 | 0.14 | 3.47 | 218 | 190 | 1.17 | 4.11 | 1.40 | <0.02 | 68.8 | 5.5 | 65 | 0.61 | 9.9 |
| R614005 | | 0.89 | 1.94 | 0.65 | 1.48 | 1505 | 10 | 0.46 | 3.53 | 0.72 | 0.02 | 3.87 | 45.3 | 37 | 0.17 | 30.4 |
| R614006 | | 2.92 | 0.22 | 0.14 | 0.12 | 702 | <10 | <0.05 | 1.61 | 0.23 | 0.04 | 0.83 | 7.3 | 12 | 0.12 | 46.8 |
| R614007 | | 1.99 | <0.01 | <0.01 | 0.10 | 2.3 | 20 | 0.12 | 0.05 | 33.8 | <0.02 | 0.83 | 0.5 | 2 | <0.05 | 0.9 |
| R614008 | | 7.38 | 0.13 | 0.24 | 2.63 | 212 | <10 | 0.66 | 4.47 | 0.70 | 0.08 | 10.45 | 4.5 | 39 | 0.09 | 40.3 |
| R614009 | | 7.40 | 0.08 | 0.13 | 1.40 | 381 | <10 | 0.32 | 1.43 | 0.46 | 0.02 | 4.23 | 21.0 | 16 | 0.12 | 28.3 |
| R614010 | | <0.02 | 0.08 | 0.09 | 1.44 | 399 | <10 | 0.36 | 1.33 | 0.40 | 0.03 | 4.50 | 23.5 | 20 | 0.14 | 24.8 |
| R614011 | | 1.38 | 0.01 | 0.03 | 4.27 | 32.4 | <10 | 1.07 | 0.29 | 0.86 | <0.02 | 82.8 | 6.2 | 33 | 0.05 | 36.7 |
| R614012 | | 1.47 | <0.01 | <0.01 | 3.51 | 11.3 | <10 | 0.75 | 0.06 | 0.92 | 0.02 | 24.4 | 0.6 | 32 | 0.12 | 4.2 |
| R614013 | | 3.39 | <0.01 | 0.01 | 1.13 | 51.5 | 10 | 0.24 | 0.41 | 0.53 | 0.05 | 4.01 | 1.1 | 24 | 0.36 | 4.3 |
| R614014 | | 0.16 | 5.13 | 11.55 | 5.91 | 716 | 60 | 0.83 | 5.93 | 3.87 | 11.05 | 31.0 | 24.0 | 31 | 1.42 | 2100 |
| R614015 | | 5.98 | 0.01 | 0.07 | 4.04 | 67.9 | 10 | 1.02 | 0.71 | 0.85 | 0.02 | 26.9 | 1.9 | 48 | 0.09 | 10.3 |
| R614016 | | 2.10 | 0.45 | 0.22 | 3.72 | 179.5 | 10 | 0.97 | 2.97 | 1.02 | 0.02 | 75.4 | 11.1 | 41 | 0.08 | 16.2 |
| R614017 | | 1.92 | 0.09 | 0.23 | 3.95 | 224 | 20 | 0.99 | 3.23 | 0.90 | <0.02 | 157.0 | 15.5 | 49 | 0.10 | 18.3 |
| R614018 | | 4.05 | 0.01 | 0.03 | 6.47 | 78.8 | 1060 | 2.26 | 0.89 | 0.60 | <0.02 | 118.5 | 13.4 | 51 | 3.76 | 1.5 |
| R614019 | | 3.26 | 0.06 | 0.07 | 6.03 | 603 | 760 | 2.03 | 1.25 | 1.57 | <0.02 | 108.5 | 10.2 | 50 | 2.97 | 2.7 |
| R614020 | | 2.87 | 0.16 | 0.11 | 4.17 | 443 | 140 | 0.87 | 2.35 | 0.59 | 0.03 | 132.0 | 22.2 | 36 | 0.56 | 18.8 |
| R614021 | | 10.13 | 1.70 | 0.12 | 7.00 | 884 | 620 | 2.23 | 2.67 | 2.22 | <0.02 | 113.5 | 21.5 | 57 | 4.13 | 3.7 |
| R614022 | | 6.16 | 0.10 | 0.05 | 6.94 | 340 | 1380 | 2.32 | 1.90 | 3.47 | 0.02 | 98.2 | 12.2 | 60 | 5.10 | 22.1 |
| R614023 | | 5.35 | 0.13 | 0.06 | 7.18 | 141.0 | 1480 | 2.17 | 1.25 | 3.02 | 0.03 | 106.5 | 15.6 | 52 | 4.84 | 49.0 |
| R614024 | | 6.13 | 0.14 | 0.05 | 7.39 | 56.8 | 1280 | 2.07 | 1.34 | 2.56 | 0.03 | 113.0 | 20.2 | 37 | 5.00 | 94.7 |
| R614025 | | 5.72 | 0.11 | 0.04 | 7.40 | 46.1 | 1580 | 2.46 | 1.67 | 2.01 | 0.02 | 116.5 | 14.4 | 65 | 6.41 | 37.6 |
| R614026 | | 5.81 | 0.04 | 0.06 | 6.69 | 73.6 | 1440 | 2.20 | 1.63 | 2.13 | 0.06 | 81.4 | 20.4 | 66 | 5.86 | 68.7 |
| R614027 | | 5.73 | 0.03 | 0.07 | 7.17 | 76.8 | 1290 | 2.28 | 2.30 | 2.06 | 0.04 | 97.9 | 24.0 | 73 | 6.00 | 88.3 |
| R614028 | | 6.42 | 0.05 | 0.05 | 6.63 | 23.7 | 1030 | 1.98 | 1.61 | 1.37 | 0.05 | 93.5 | 25.8 | 53 | 6.42 | 87.2 |
| R614029 | | 6.17 | 0.01 | 0.03 | 7.68 | 46.4 | 1480 | 2.05 | 0.44 | 0.53 | 0.03 | 120.5 | 19.3 | 43 | 7.63 | 23.4 |
| R614030 | | 2.76 | 0.01 | 0.05 | 7.19 | 24.8 | 1300 | 2.03 | 0.79 | 0.61 | 0.02 | 118.0 | 20.5 | 44 | 7.75 | 52.3 |
| R614031 | | 0.84 | 0.12 | 0.22 | 3.97 | 100.5 | 250 | 1.20 | 0.69 | 3.43 | 0.04 | 62.4 | 48.4 | 25 | 4.08 | 228 |
| R614032 | | 0.16 | 1.49 | 68.0 | 7.36 | 33.9 | 4490 | 1.17 | 0.12 | 1.93 | 16.50 | 30.1 | 5.7 | 18 | 0.49 | 226 |
| R614033 | | 4.11 | 0.02 | 0.08 | 6.79 | 30.4 | 1450 | 1.99 | 0.64 | 1.55 | 0.08 | 111.5 | 16.7 | 57 | 7.13 | 48.2 |
| R614034 | | 1.21 | 0.01 | 0.07 | 4.86 | 12.9 | 1050 | 1.51 | 0.31 | 2.67 | 0.10 | 97.6 | 14.1 | 49 | 4.17 | 55.3 |
| R614035 | | 3.83 | <0.01 | 0.04 | 6.73 | 10.7 | 1540 | 2.07 | 0.49 | 2.73 | 0.10 | 116.5 | 9.4 | 54 | 6.02 | 30.0 |
| R614036 | | 6.48 | 0.03 | 0.15 | 5.77 | 85.2 | 130 | 1.87 | 2.90 | 3.24 | 0.13 | 87.3 | 70.1 | 64 | 5.33 | 337 |
| R614037 | | 5.51 | 0.01 | 0.09 | 6.41 | 52.7 | 380 | 2.08 | 1.62 | 2.54 | 0.11 | 96.7 | 34.0 | 64 | 6.18 | 140.0 |
| R614038 | | 5.85 | <0.01 | 0.06 | 6.29 | 15.3 | 1410 | 1.92 | 0.77 | 3.16 | 0.17 | 91.6 | 14.5 | 49 | 5.03 | 54.6 |
| R614039 | | 6.09 | 0.01 | 0.08 | 7.27 | 77.6 | 760 | 2.17 | 1.46 | 2.30 | 0.08 | 110.5 | 35.7 | 57 | 6.68 | 127.0 |
| R614040 | | 6.28 | <0.01 | 0.05 | 6.95 | 142.5 | 1550 | 2.21 | 0.79 | 2.14 | 0.06 | 118.0 | 26.9 | 52 | 6.52 | 70.4 |

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

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227684

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R614001 | | 3.36 | 16.30 | 0.11 | 3.6 | 0.035 | 2.48 | 36.2 | 15.5 | 1.37 | 521 | 7.58 | 0.04 | 31.6 | 44.3 | 1580 |
| R614002 | | 3.68 | 14.75 | 0.11 | 3.1 | 0.027 | 2.19 | 38.2 | 13.6 | 1.79 | 720 | 5.33 | 0.05 | 26.9 | 49.4 | 1460 |
| R614003 | | 2.11 | 16.85 | 0.10 | 3.4 | 0.030 | 1.84 | 43.0 | 10.5 | 1.02 | 238 | 10.55 | 0.12 | 31.7 | 37.3 | 1740 |
| R614004 | | 4.31 | 12.50 | 0.09 | 2.9 | 0.035 | 0.51 | 36.6 | 4.1 | 1.32 | 415 | 7.22 | 0.21 | 24.3 | 44.1 | 1610 |
| R614005 | | 15.15 | 4.89 | 0.06 | 1.9 | 0.111 | 0.01 | 2.0 | 1.7 | 0.60 | 617 | 4.21 | 0.11 | 5.7 | 67.2 | 620 |
| R614006 | | 30.5 | 0.51 | 0.10 | 0.1 | 0.358 | <0.01 | <0.5 | 0.5 | 0.11 | 834 | 0.58 | 0.01 | 0.2 | 92.3 | 70 |
| R614007 | | 0.23 | 0.41 | 0.05 | 0.1 | <0.005 | 0.02 | 0.9 | 1.5 | 1.42 | 86 | <0.05 | 0.05 | 0.1 | 0.8 | 70 |
| R614008 | | 16.65 | 8.84 | 0.06 | 1.9 | 0.288 | 0.01 | 5.3 | 2.8 | 0.98 | 738 | 3.55 | 0.21 | 6.7 | 73.4 | 1280 |
| R614009 | | 24.3 | 5.15 | 0.08 | 0.7 | 0.929 | 0.01 | 2.2 | 1.7 | 0.56 | 1620 | 0.65 | 0.12 | 1.5 | 80.4 | 560 |
| R614010 | | 24.7 | 5.31 | 0.08 | 0.6 | 0.872 | 0.01 | 2.3 | 1.8 | 0.57 | 1600 | 0.68 | 0.12 | 1.7 | 79.0 | 540 |
| R614011 | | 18.75 | 16.10 | 0.11 | 2.3 | 0.716 | 0.02 | 44.3 | 4.7 | 1.57 | 1360 | 1.05 | 0.35 | 11.0 | 55.3 | 1340 |
| R614012 | | 8.04 | 12.90 | 0.06 | 2.1 | 0.468 | 0.01 | 12.1 | 4.2 | 1.28 | 980 | 0.64 | 0.29 | 11.8 | 11.4 | 1060 |
| R614013 | | 4.09 | 4.01 | <0.05 | 0.9 | 0.237 | 0.01 | 2.0 | 1.7 | 0.42 | 480 | 0.73 | 0.10 | 6.2 | 10.3 | 940 |
| R614014 | | 10.10 | 15.45 | 0.16 | 1.0 | 1.145 | 1.80 | 14.0 | 11.2 | 1.21 | 997 | 31.3 | 1.65 | 3.3 | 16.7 | 1030 |
| R614015 | | 5.26 | 14.40 | 0.07 | 3.3 | 0.079 | 0.03 | 13.2 | 4.4 | 1.50 | 634 | 3.99 | 0.33 | 25.4 | 24.0 | 2190 |
| R614016 | | 8.05 | 13.55 | 0.11 | 2.5 | 0.046 | 0.04 | 41.1 | 4.1 | 1.39 | 434 | 4.98 | 0.30 | 15.6 | 48.0 | 2160 |
| R614017 | | 7.50 | 14.70 | 0.20 | 2.4 | 0.042 | 0.04 | 84.9 | 4.4 | 1.40 | 370 | 4.72 | 0.31 | 18.6 | 50.0 | 1910 |
| R614018 | | 1.21 | 23.0 | 0.17 | 2.9 | 0.054 | 2.64 | 64.8 | 10.3 | 0.73 | 58 | 0.80 | 0.13 | 46.9 | 30.3 | 1920 |
| R614019 | | 2.32 | 21.6 | 0.16 | 3.5 | 0.049 | 2.05 | 57.7 | 11.0 | 1.22 | 261 | 0.78 | 0.18 | 43.9 | 31.8 | 1820 |
| R614020 | | 9.74 | 15.45 | 0.18 | 2.2 | 0.075 | 0.36 | 69.9 | 5.4 | 1.20 | 461 | 0.86 | 0.29 | 17.2 | 32.5 | 1390 |
| R614021 | | 3.62 | 23.2 | 0.17 | 4.2 | 0.058 | 2.94 | 62.5 | 15.1 | 1.46 | 456 | 8.47 | 0.13 | 35.1 | 42.7 | 2930 |
| R614022 | | 2.45 | 22.0 | 0.17 | 3.6 | 0.059 | 3.36 | 54.1 | 16.4 | 1.86 | 736 | 3.93 | 0.06 | 31.9 | 22.4 | 2240 |
| R614023 | | 2.73 | 21.2 | 0.16 | 3.7 | 0.068 | 3.47 | 57.7 | 11.9 | 1.51 | 697 | 1.74 | 0.06 | 40.9 | 38.5 | 2140 |
| R614024 | | 5.41 | 20.7 | 0.20 | 2.2 | 0.065 | 3.19 | 58.2 | 10.3 | 1.87 | 958 | 0.53 | 0.06 | 52.3 | 48.1 | 2490 |
| R614025 | | 3.44 | 22.7 | 0.17 | 3.8 | 0.082 | 3.49 | 61.8 | 11.1 | 1.36 | 548 | 2.53 | 0.06 | 36.5 | 39.8 | 2580 |
| R614026 | | 4.39 | 20.4 | 0.16 | 3.4 | 0.084 | 3.24 | 44.4 | 11.7 | 1.59 | 694 | 3.41 | 0.06 | 27.2 | 52.5 | 1550 |
| R614027 | | 5.04 | 22.1 | 0.16 | 3.5 | 0.084 | 3.41 | 54.1 | 11.3 | 1.51 | 743 | 4.24 | 0.06 | 27.1 | 57.0 | 2510 |
| R614028 | | 7.07 | 20.2 | 0.17 | 2.1 | 0.080 | 3.08 | 49.8 | 11.9 | 1.94 | 806 | 1.17 | 0.05 | 36.7 | 45.2 | 1640 |
| R614029 | | 7.85 | 22.7 | 0.20 | 1.8 | 0.088 | 3.44 | 63.0 | 13.8 | 2.21 | 683 | 0.35 | 0.06 | 57.4 | 35.4 | 2180 |
| R614030 | | 8.37 | 22.2 | 0.19 | 1.6 | 0.087 | 3.07 | 62.4 | 16.5 | 2.28 | 737 | 0.34 | 0.05 | 54.0 | 41.8 | 2040 |
| R614031 | | 11.25 | 12.30 | 0.13 | 0.9 | 0.083 | 1.70 | 32.6 | 10.6 | 2.35 | 1060 | 0.30 | 0.03 | 29.0 | 96.6 | 1080 |
| R614032 | | 2.64 | 16.05 | 0.09 | 2.1 | 0.044 | 1.50 | 16.5 | 2.8 | 0.58 | 767 | 8.11 | 3.38 | 6.7 | 9.1 | 520 |
| R614033 | | 6.07 | 21.4 | 0.15 | 2.5 | 0.086 | 3.13 | 59.6 | 16.3 | 1.93 | 667 | 1.54 | 0.05 | 50.5 | 33.4 | 1680 |
| R614034 | | 4.98 | 14.65 | 0.15 | 2.8 | 0.076 | 2.29 | 53.2 | 9.8 | 1.73 | 828 | 0.63 | 0.04 | 49.6 | 30.8 | 1180 |
| R614035 | | 4.44 | 20.8 | 0.18 | 3.4 | 0.084 | 3.26 | 61.8 | 12.6 | 1.93 | 773 | 1.92 | 0.05 | 55.6 | 20.4 | 2200 |
| R614036 | | 10.50 | 17.95 | 0.19 | 2.8 | 0.072 | 2.72 | 45.9 | 8.9 | 1.71 | 683 | 4.95 | 0.05 | 29.5 | 103.5 | 3240 |
| R614037 | | 6.12 | 19.75 | 0.17 | 3.1 | 0.068 | 3.01 | 50.8 | 9.9 | 1.79 | 594 | 3.05 | 0.06 | 36.5 | 58.7 | 1900 |
| R614038 | | 4.90 | 18.60 | 0.15 | 2.8 | 0.064 | 2.96 | 49.6 | 9.1 | 2.07 | 731 | 1.96 | 0.06 | 41.5 | 22.5 | 1590 |
| R614039 | | 7.09 | 21.3 | 0.17 | 2.9 | 0.078 | 3.46 | 58.2 | 10.6 | 1.84 | 558 | 1.67 | 0.07 | 47.3 | 48.4 | 2390 |
| R614040 | | 5.32 | 22.0 | 0.17 | 2.8 | 0.087 | 3.27 | 62.6 | 10.5 | 1.82 | 529 | 0.83 | 0.06 | 51.5 | 48.2 | 1770 |

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

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227684

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R614001 | | 6.0 | 105.0 | 0.012 | 2.36 | 5.37 | 12.2 | 2 | 22.8 | 32.4 | 1.65 | 0.34 | 7.50 | 0.516 | 0.61 | 7.4 |
| R614002 | | 5.4 | 91.8 | 0.005 | 2.06 | 2.45 | 11.0 | 2 | 24.2 | 31.3 | 1.42 | 0.23 | 7.45 | 0.450 | 0.44 | 6.0 |
| R614003 | | 3.8 | 78.2 | 0.011 | 1.04 | 1.73 | 12.3 | 1 | 28.4 | 34.8 | 1.64 | <0.05 | 8.75 | 0.531 | 0.34 | 6.6 |
| R614004 | | 4.7 | 21.5 | 0.010 | 2.62 | 2.36 | 8.8 | 1 | 16.0 | 43.4 | 1.21 | <0.05 | 8.17 | 0.394 | 0.11 | 6.6 |
| R614005 | | 8.2 | 0.5 | 0.006 | 9.62 | 3.10 | 3.3 | 4 | 3.2 | 25.1 | 0.29 | 0.05 | 3.85 | 0.106 | 0.06 | 3.6 |
| R614006 | | 3.3 | 0.2 | <0.002 | >10.0 | 0.46 | 0.2 | 9 | 0.3 | 4.0 | <0.05 | <0.05 | 0.55 | 0.005 | <0.02 | 1.0 |
| R614007 | | 0.7 | 0.8 | <0.002 | 0.09 | 0.10 | 0.1 | 1 | <0.2 | 84.6 | <0.05 | <0.05 | 0.10 | <0.005 | <0.02 | 0.2 |
| R614008 | | 8.7 | 0.4 | 0.013 | >10.0 | 2.01 | 4.8 | 5 | 4.6 | 30.6 | 0.39 | <0.05 | 3.47 | 0.148 | 0.02 | 3.5 |
| R614009 | | 2.9 | 0.3 | 0.004 | >10.0 | 0.57 | 2.5 | 6 | 1.8 | 15.3 | 0.08 | <0.05 | 0.40 | 0.040 | 0.02 | 1.0 |
| R614010 | | 2.7 | 0.3 | 0.003 | >10.0 | 0.58 | 2.6 | 7 | 1.9 | 15.1 | 0.09 | <0.05 | 0.40 | 0.043 | <0.02 | 0.9 |
| R614011 | | 1.1 | 0.7 | 0.003 | 7.65 | 0.23 | 7.7 | 4 | 6.6 | 44.5 | 0.57 | <0.05 | 5.47 | 0.230 | <0.02 | 4.9 |
| R614012 | | 1.0 | 0.5 | 0.003 | 1.18 | 0.18 | 6.4 | 1 | 6.3 | 45.3 | 0.64 | <0.05 | 2.18 | 0.246 | <0.02 | 4.3 |
| R614013 | | 2.6 | 0.6 | 0.002 | 0.92 | 0.28 | 2.1 | 1 | 2.8 | 19.4 | 0.30 | <0.05 | 2.43 | 0.125 | 0.02 | 1.7 |
| R614014 | | 772 | 56.4 | 0.019 | 7.36 | 65.1 | 9.7 | 21 | 4.2 | 456 | 0.18 | 0.62 | 3.46 | 0.224 | 4.25 | 1.8 |
| R614015 | | 2.3 | 0.9 | 0.008 | 1.46 | 3.88 | 7.4 | 1 | 11.0 | 47.2 | 1.28 | <0.05 | 17.85 | 0.459 | 0.02 | 4.1 |
| R614016 | | 5.2 | 1.3 | 0.016 | 4.26 | 3.51 | 6.8 | 2 | 8.9 | 47.2 | 0.85 | <0.05 | 11.30 | 0.319 | 0.03 | 3.8 |
| R614017 | | 7.1 | 1.6 | 0.011 | 4.16 | 3.94 | 7.9 | 2 | 9.9 | 47.0 | 1.01 | <0.05 | 16.20 | 0.360 | 0.03 | 4.1 |
| R614018 | | 1.7 | 110.0 | 0.006 | 0.60 | 2.13 | 18.7 | <1 | 26.8 | 37.0 | 2.55 | <0.05 | 13.70 | 0.853 | 0.52 | 3.3 |
| R614019 | | 1.7 | 91.2 | 0.005 | 1.61 | 16.80 | 18.2 | 1 | 30.9 | 47.4 | 2.46 | <0.05 | 13.05 | 0.787 | 0.42 | 3.8 |
| R614020 | | 3.7 | 16.0 | 0.004 | 6.59 | 3.15 | 8.7 | 2 | 10.2 | 38.2 | 0.89 | 0.07 | 9.63 | 0.325 | 0.08 | 3.1 |
| R614021 | | 2.5 | 122.5 | 0.012 | 2.39 | 9.90 | 17.9 | 1 | 32.9 | 44.0 | 1.97 | 0.07 | 13.30 | 0.710 | 0.59 | 5.8 |
| R614022 | | 1.8 | 144.5 | 0.011 | 1.10 | 4.72 | 17.0 | 1 | 21.8 | 61.8 | 1.77 | 0.06 | 11.70 | 0.640 | 0.67 | 5.3 |
| R614023 | | 1.7 | 145.0 | 0.005 | 1.18 | 10.25 | 17.9 | 1 | 17.9 | 67.1 | 2.12 | 0.06 | 11.90 | 0.759 | 0.68 | 4.4 |
| R614024 | | 1.9 | 133.0 | 0.003 | 1.65 | 20.8 | 19.0 | 2 | 17.4 | 71.6 | 2.65 | 0.08 | 11.00 | 0.894 | 0.75 | 3.1 |
| R614025 | | 2.7 | 153.5 | 0.012 | 0.89 | 3.58 | 17.6 | 1 | 15.1 | 78.1 | 2.05 | 0.07 | 13.30 | 0.691 | 0.76 | 5.7 |
| R614026 | | 3.1 | 144.0 | 0.015 | 1.08 | 1.56 | 15.8 | 2 | 13.0 | 80.4 | 1.51 | 0.08 | 11.50 | 0.573 | 0.70 | 4.9 |
| R614027 | | 3.5 | 146.5 | 0.019 | 1.56 | 21.4 | 17.1 | 2 | 13.8 | 82.9 | 1.57 | 0.09 | 12.40 | 0.580 | 0.72 | 5.9 |
| R614028 | | 2.4 | 141.5 | 0.006 | 1.42 | 1.36 | 17.0 | 2 | 11.9 | 67.2 | 1.93 | 0.06 | 11.10 | 0.665 | 0.77 | 2.8 |
| R614029 | | 2.0 | 163.5 | 0.002 | 0.33 | 1.27 | 19.3 | 1 | 12.8 | 54.3 | 3.00 | <0.05 | 11.55 | 0.971 | 0.89 | 1.9 |
| R614030 | | 2.0 | 150.5 | <0.002 | 0.89 | 2.42 | 17.9 | 1 | 13.4 | 49.6 | 2.86 | <0.05 | 11.50 | 0.908 | 0.90 | 1.4 |
| R614031 | | 2.4 | 83.1 | <0.002 | 3.43 | 1.46 | 12.8 | 4 | 7.9 | 70.8 | 1.51 | 0.06 | 6.36 | 0.471 | 0.50 | 0.8 |
| R614032 | | 1580 | 34.8 | 0.009 | 0.51 | 121.0 | 8.4 | 3 | 2.0 | 220 | 0.43 | 0.05 | 3.34 | 0.206 | 0.38 | 2.1 |
| R614033 | | 2.7 | 147.5 | 0.002 | 0.70 | 1.17 | 16.5 | 1 | 12.6 | 68.1 | 2.71 | 0.05 | 12.55 | 0.717 | 0.83 | 2.7 |
| R614034 | | 2.5 | 99.7 | <0.002 | 0.64 | 0.90 | 11.3 | 1 | 8.9 | 79.1 | 2.86 | <0.05 | 11.75 | 0.527 | 0.54 | 2.8 |
| R614035 | | 2.0 | 142.5 | 0.003 | 0.46 | 1.00 | 14.9 | 1 | 11.5 | 93.1 | 2.91 | <0.05 | 13.60 | 0.728 | 0.74 | 3.8 |
| R614036 | | 3.3 | 123.0 | 0.006 | 3.71 | 1.40 | 13.0 | 5 | 8.1 | 105.5 | 1.52 | 0.18 | 9.85 | 0.484 | 0.63 | 3.9 |
| R614037 | | 3.2 | 132.5 | 0.004 | 2.26 | 2.54 | 13.8 | 2 | 8.2 | 84.2 | 2.05 | 0.11 | 11.55 | 0.610 | 0.78 | 3.6 |
| R614038 | | 2.8 | 127.0 | 0.002 | 0.84 | 0.79 | 13.1 | 1 | 7.3 | 100.5 | 2.31 | <0.05 | 11.65 | 0.609 | 0.65 | 3.3 |
| R614039 | | 3.9 | 158.5 | 0.003 | 1.83 | 1.16 | 16.6 | 2 | 8.3 | 82.1 | 2.53 | 0.10 | 12.40 | 0.742 | 0.80 | 3.3 |
| R614040 | | 3.2 | 154.5 | 0.003 | 0.80 | 0.98 | 16.6 | 1 | 9.0 | 79.9 | 2.77 | 0.06 | 13.45 | 0.718 | 0.79 | 3.0 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227684

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R614001 | | 153 | 6.5 | 12.1 | 11 | 136.5 |
| R614002 | | 148 | 6.2 | 12.4 | 10 | 118.5 |
| R614003 | | 162 | 9.0 | 10.5 | 9 | 138.0 |
| R614004 | | 133 | 7.7 | 9.1 | 8 | 117.5 |
| R614005 | | 50 | 2.9 | 4.9 | 8 | 69.2 |
| R614006 | | 4 | 0.3 | 1.4 | 7 | 5.1 |
| R614007 | | 1 | 0.1 | 2.0 | 4 | 2.2 |
| R614008 | | 78 | 3.2 | 5.5 | 16 | 76.7 |
| R614009 | | 35 | 1.0 | 3.2 | 12 | 22.4 |
| R614010 | | 37 | 0.9 | 3.1 | 11 | 21.1 |
| R614011 | | 101 | 4.1 | 10.0 | 15 | 89.5 |
| R614012 | | 89 | 3.8 | 7.2 | 13 | 80.7 |
| R614013 | | 34 | 2.0 | 3.8 | 12 | 31.9 |
| R614014 | | 126 | 8.8 | 10.0 | 2100 | 29.2 |
| R614015 | | 107 | 7.0 | 9.5 | 13 | 119.5 |
| R614016 | | 102 | 5.8 | 9.8 | 9 | 90.2 |
| R614017 | | 112 | 5.7 | 11.7 | 11 | 92.2 |
| R614018 | | 192 | 9.6 | 13.4 | 9 | 116.0 |
| R614019 | | 170 | 10.2 | 15.7 | 9 | 139.0 |
| R614020 | | 98 | 5.1 | 11.5 | 11 | 88.9 |
| R614021 | | 248 | 9.8 | 18.4 | 8 | 160.5 |
| R614022 | | 249 | 6.1 | 17.7 | 12 | 145.5 |
| R614023 | | 215 | 4.6 | 18.7 | 10 | 153.0 |
| R614024 | | 209 | 5.8 | 16.8 | 24 | 96.5 |
| R614025 | | 244 | 4.5 | 17.8 | 15 | 146.5 |
| R614026 | | 218 | 2.9 | 17.8 | 19 | 133.0 |
| R614027 | | 264 | 4.1 | 19.3 | 19 | 139.0 |
| R614028 | | 177 | 2.8 | 15.1 | 39 | 83.5 |
| R614029 | | 182 | 4.0 | 13.9 | 63 | 78.1 |
| R614030 | | 159 | 8.7 | 11.7 | 62 | 60.1 |
| R614031 | | 94 | 1.8 | 14.5 | 30 | 46.1 |
| R614032 | | 54 | 12.8 | 19.3 | 2750 | 66.8 |
| R614033 | | 151 | 2.2 | 12.7 | 43 | 100.5 |
| R614034 | | 97 | 1.4 | 14.4 | 31 | 110.5 |
| R614035 | | 149 | 2.1 | 14.6 | 32 | 143.0 |
| R614036 | | 137 | 1.7 | 12.6 | 21 | 117.5 |
| R614037 | | 141 | 2.0 | 11.0 | 30 | 126.0 |
| R614038 | | 125 | 1.9 | 11.2 | 48 | 118.5 |
| R614039 | | 143 | 2.0 | 12.7 | 29 | 119.5 |
| R614040 | | 131 | 2.0 | 12.1 | 31 | 113.0 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227684

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227718

Project: Rau

P.O. No.: R20-D44

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227718

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233841 | | 1.74 | <0.01 | <0.01 | 8.47 | 78.2 | 1690 | 2.59 | 0.22 | 2.53 | 0.03 | 159.5 | 13.7 | 45 | 10.00 | 19.6 |
| W233842 | | 3.47 | 0.01 | 0.02 | 7.78 | 22.9 | 1640 | 2.18 | 0.27 | 3.24 | 0.04 | 146.0 | 19.7 | 42 | 9.47 | 23.0 |
| W233843 | | 2.65 | 0.01 | 0.10 | 6.42 | 325 | 410 | 1.78 | 0.70 | 2.09 | 0.07 | 101.5 | 26.5 | 42 | 7.46 | 85.7 |
| W233844 | | 2.72 | <0.01 | <0.01 | 8.07 | 12.3 | 1950 | 2.08 | 0.16 | 1.19 | 0.12 | 136.5 | 7.9 | 44 | 10.30 | 10.7 |
| W233845 | | 1.98 | 0.01 | 0.04 | 7.98 | 209 | 1710 | 2.07 | 0.60 | 1.67 | 0.05 | 98.1 | 14.5 | 48 | 8.92 | 39.1 |
| W233846 | | 1.26 | <0.01 | 0.12 | 7.80 | 255 | 340 | 2.19 | 0.88 | 1.63 | 0.14 | 135.0 | 40.6 | 40 | 15.20 | 119.5 |
| W233847 | | 3.53 | <0.01 | 0.04 | 6.83 | 3.4 | 1450 | 2.13 | 0.74 | 5.15 | 0.06 | 87.1 | 15.3 | 54 | 11.30 | 43.8 |
| W233848 | | 8.20 | <0.01 | 0.08 | 4.50 | 12.2 | 1140 | 1.55 | 0.74 | 3.10 | 0.08 | 58.2 | 11.1 | 60 | 5.12 | 37.0 |
| W233849 | | 1.15 | 0.01 | 0.18 | 2.53 | 10.0 | 340 | 0.66 | 1.49 | 7.84 | 0.24 | 56.1 | 26.1 | 51 | 2.72 | 143.5 |
| W233850 | | 1.99 | <0.01 | <0.01 | 0.19 | 0.5 | 30 | 0.12 | 0.02 | 36.3 | <0.02 | 0.94 | 0.5 | 1 | 0.06 | 1.8 |
| W233851 | | 3.81 | 0.01 | 0.06 | 5.43 | 12.2 | 840 | 1.76 | 1.16 | 4.60 | 0.09 | 74.0 | 11.4 | 69 | 5.98 | 53.8 |
| W233852 | | 0.16 | 0.65 | 1.52 | 7.38 | 27.0 | 850 | 0.96 | 0.20 | 1.89 | 0.95 | 27.2 | 4.4 | 14 | 0.34 | 42.7 |
| W233853 | | 2.93 | 0.01 | 0.11 | 6.61 | 23.2 | 380 | 2.12 | 2.67 | 3.59 | 0.20 | 94.6 | 14.5 | 49 | 7.19 | 75.7 |
| W233854 | | 4.99 | 0.04 | 0.09 | 4.73 | 946 | 860 | 1.66 | 1.16 | 8.54 | 0.33 | 82.4 | 22.5 | 51 | 3.70 | 44.8 |
| W233855 | | 5.46 | 0.03 | 0.16 | 6.42 | 630 | 460 | 2.20 | 2.11 | 3.63 | 0.13 | 97.4 | 23.6 | 59 | 3.43 | 58.5 |
| W233856 | | 2.79 | 1.38 | 0.25 | 4.26 | 1215 | 580 | 1.58 | 2.88 | 10.85 | 0.12 | 65.5 | 41.0 | 37 | 2.15 | 86.4 |
| W233857 | | 6.84 | 0.01 | 0.11 | 4.94 | 378 | 960 | 1.40 | 1.61 | 3.37 | 0.34 | 50.4 | 14.5 | 80 | 2.43 | 33.0 |
| W233858 | | 1.81 | 0.02 | 0.14 | 2.83 | 103.5 | 700 | 0.94 | 1.78 | 3.15 | 0.17 | 34.4 | 8.8 | 57 | 2.23 | 31.2 |
| W233859 | | 3.17 | <0.01 | 0.08 | 4.68 | 97.5 | 1130 | 1.53 | 0.93 | 2.68 | 0.13 | 80.4 | 8.6 | 70 | 3.77 | 34.0 |
| W233860 | | 4.93 | 0.03 | 0.21 | 3.62 | 248 | 810 | 1.30 | 1.66 | 8.22 | 0.19 | 38.1 | 13.7 | 50 | 3.37 | 39.7 |
| W233861 | | <0.02 | 0.03 | 0.22 | 3.66 | 316 | 760 | 1.28 | 1.78 | 8.17 | 0.20 | 36.2 | 15.9 | 52 | 3.32 | 40.5 |
| W233862 | | 0.55 | 0.03 | 0.36 | 1.86 | 240 | 320 | 0.70 | 0.76 | 23.8 | 0.28 | 13.55 | 12.2 | 24 | 1.01 | 34.9 |
| W233863 | | 1.54 | 0.13 | 0.25 | 4.04 | 661 | 690 | 1.55 | 1.95 | 7.82 | 0.18 | 59.9 | 23.4 | 56 | 3.06 | 29.7 |
| W233864 | | 1.28 | 0.05 | 0.11 | 2.86 | 216 | 470 | 1.20 | 0.93 | 12.60 | 0.17 | 97.1 | 11.6 | 38 | 3.22 | 18.0 |
| W233865 | | 2.44 | 0.01 | 0.11 | 4.48 | 155.0 | 1000 | 1.65 | 1.51 | 3.44 | 0.75 | 46.7 | 9.2 | 66 | 4.70 | 31.0 |
| W233866 | | 2.29 | 0.01 | 0.12 | 4.68 | 151.5 | 1090 | 1.72 | 1.70 | 3.21 | 0.36 | 47.7 | 11.6 | 69 | 4.85 | 35.6 |
| W233867 | | 5.46 | 0.02 | 0.15 | 4.63 | 66.1 | 680 | 1.63 | 2.48 | 4.48 | 0.25 | 65.0 | 11.4 | 64 | 4.35 | 54.6 |
| W233868 | | 2.32 | 0.01 | 0.18 | 4.56 | 69.3 | 730 | 1.62 | 1.47 | 6.22 | 0.09 | 72.0 | 13.6 | 67 | 4.19 | 53.7 |
| W233869 | | 3.87 | 0.01 | 0.19 | 5.31 | 15.3 | 730 | 1.70 | 2.28 | 5.28 | 0.19 | 67.5 | 14.5 | 81 | 5.08 | 51.7 |
| W233870 | | 6.21 | 0.06 | 0.23 | 4.65 | 98.4 | 340 | 1.57 | 3.14 | 3.58 | 0.06 | 59.0 | 16.9 | 61 | 2.76 | 28.5 |
| W233871 | | 3.01 | 0.06 | 0.21 | 4.97 | 66.2 | 370 | 1.78 | 3.20 | 3.50 | 0.05 | 63.1 | 17.0 | 65 | 3.17 | 28.1 |
| W233872 | | 3.58 | 0.05 | 0.13 | 4.53 | 100.0 | 300 | 1.43 | 1.92 | 3.02 | 0.07 | 51.1 | 16.3 | 58 | 2.63 | 20.1 |
| W233873 | | 4.29 | 0.03 | 0.12 | 4.40 | 45.7 | 530 | 1.48 | 1.14 | 3.84 | 0.07 | 60.4 | 13.6 | 60 | 2.54 | 31.9 |
| W233874 | | 1.73 | 0.08 | 0.29 | 5.23 | 100.5 | 230 | 1.79 | 1.56 | 3.15 | 0.13 | 69.9 | 26.0 | 65 | 3.11 | 49.8 |
| W233875 | | 0.16 | 1.34 | 66.1 | 7.28 | 31.5 | 4370 | 1.05 | 0.13 | 1.92 | 14.50 | 24.7 | 4.8 | 18 | 0.38 | 218 |
| W233876 | | 4.10 | 0.03 | 0.15 | 4.81 | 43.4 | 720 | 1.73 | 0.80 | 3.80 | 0.09 | 64.0 | 14.5 | 61 | 2.91 | 33.3 |
| W233877 | | 1.45 | 0.06 | 0.25 | 6.14 | 83.2 | 150 | 1.88 | 1.43 | 2.32 | 0.12 | 62.2 | 20.9 | 87 | 3.41 | 37.6 |
| W233878 | | 6.11 | 0.04 | 0.15 | 4.96 | 71.4 | 410 | 1.55 | 1.06 | 4.38 | 0.08 | 68.0 | 16.9 | 73 | 2.75 | 45.3 |
| W233879 | | 3.54 | 0.01 | 0.09 | 4.86 | 72.2 | 700 | 1.60 | 0.78 | 3.78 | 0.07 | 63.9 | 16.9 | 67 | 2.80 | 49.5 |
| W233880 | | 6.78 | 0.12 | 0.15 | 4.11 | 28.1 | 910 | 1.38 | 0.45 | 3.62 | 0.07 | 45.7 | 10.2 | 54 | 2.44 | 35.6 |

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

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**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227718

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233841 | | 6.19 | 23.6 | 0.18 | 1.3 | 0.064 | 3.61 | 83.2 | 22.3 | 1.90 | 719 | 0.31 | 0.29 | 97.4 | 23.7 | 1390 |
| W233842 | | 5.93 | 21.4 | 0.20 | 2.0 | 0.072 | 3.67 | 77.5 | 20.1 | 2.08 | 851 | 1.33 | 0.20 | 82.8 | 28.1 | 1630 |
| W233843 | | 7.14 | 16.10 | 0.16 | 1.1 | 0.043 | 2.62 | 52.8 | 19.4 | 1.80 | 434 | 0.47 | 0.25 | 32.4 | 31.5 | 1370 |
| W233844 | | 6.18 | 21.8 | 0.18 | 1.7 | 0.068 | 4.13 | 71.5 | 28.5 | 2.11 | 788 | 0.39 | 0.16 | 57.3 | 15.1 | 1790 |
| W233845 | | 5.34 | 19.55 | 0.16 | 1.8 | 0.065 | 3.87 | 49.9 | 17.4 | 1.88 | 384 | 0.49 | 0.16 | 32.3 | 20.1 | 1700 |
| W233846 | | 9.43 | 21.3 | 0.20 | 2.7 | 0.062 | 3.71 | 67.9 | 31.8 | 2.60 | 462 | 0.68 | 0.16 | 35.9 | 45.8 | 2220 |
| W233847 | | 5.24 | 17.85 | 0.16 | 2.4 | 0.062 | 3.39 | 45.6 | 19.7 | 2.71 | 891 | 3.08 | 0.12 | 44.3 | 30.7 | 1860 |
| W233848 | | 3.16 | 11.60 | 0.15 | 2.3 | 0.042 | 2.29 | 30.8 | 13.2 | 1.58 | 480 | 4.58 | 0.05 | 24.2 | 31.0 | 1420 |
| W233849 | | 6.75 | 6.54 | 0.12 | 1.3 | 0.031 | 1.03 | 30.8 | 11.8 | 2.49 | 1230 | 4.42 | 0.03 | 13.5 | 77.7 | 1130 |
| W233850 | | 0.12 | 0.58 | 0.07 | 0.2 | <0.005 | 0.09 | 1.1 | 1.1 | 1.63 | 111 | <0.05 | 0.08 | 0.4 | 0.6 | 70 |
| W233851 | | 4.21 | 13.25 | 0.13 | 2.6 | 0.057 | 2.74 | 38.8 | 15.6 | 2.13 | 675 | 5.61 | 0.06 | 32.3 | 32.1 | 2340 |
| W233852 | | 2.51 | 12.75 | 0.11 | 1.7 | 0.051 | 1.56 | 13.8 | 1.9 | 0.58 | 742 | 4.65 | 3.41 | 5.5 | 6.0 | 420 |
| W233853 | | 5.50 | 17.25 | 0.16 | 3.0 | 0.062 | 3.13 | 51.8 | 20.4 | 2.31 | 537 | 4.09 | 0.06 | 43.3 | 26.9 | 2950 |
| W233854 | | 3.52 | 11.45 | 0.11 | 2.2 | 0.068 | 1.93 | 43.4 | 14.9 | 1.84 | 988 | 2.80 | 0.06 | 30.6 | 23.8 | 1910 |
| W233855 | | 5.14 | 16.15 | 0.22 | 2.6 | 0.050 | 2.90 | 52.1 | 14.2 | 1.84 | 724 | 3.18 | 0.08 | 45.7 | 35.6 | 2390 |
| W233856 | | 7.11 | 11.00 | 0.15 | 1.9 | 0.039 | 1.80 | 34.1 | 10.7 | 4.38 | 2840 | 1.29 | 0.09 | 25.6 | 47.6 | 1240 |
| W233857 | | 3.53 | 11.80 | 0.12 | 2.3 | 0.039 | 2.23 | 27.1 | 10.0 | 1.68 | 744 | 4.83 | 0.06 | 23.4 | 29.1 | 1570 |
| W233858 | | 2.92 | 7.40 | 0.10 | 1.6 | 0.024 | 1.37 | 18.9 | 7.3 | 1.55 | 727 | 5.56 | 0.04 | 15.7 | 26.0 | 900 |
| W233859 | | 2.84 | 12.95 | 0.19 | 2.8 | 0.039 | 2.39 | 45.0 | 10.6 | 1.31 | 494 | 7.57 | 0.05 | 26.8 | 31.5 | 1510 |
| W233860 | | 3.25 | 9.76 | 0.11 | 2.1 | 0.035 | 1.80 | 20.6 | 10.9 | 1.66 | 1190 | 5.58 | 0.05 | 17.7 | 29.7 | 1280 |
| W233861 | | 3.32 | 9.77 | 0.10 | 2.0 | 0.034 | 1.86 | 19.8 | 10.7 | 1.68 | 1190 | 5.60 | 0.05 | 17.2 | 28.9 | 1290 |
| W233862 | | 2.59 | 4.74 | 0.07 | 1.1 | 0.029 | 0.64 | 7.8 | 7.7 | 1.39 | 2940 | 1.38 | 0.05 | 8.5 | 22.2 | 590 |
| W233863 | | 3.31 | 9.92 | 0.14 | 2.3 | 0.031 | 1.66 | 33.6 | 18.9 | 1.92 | 1060 | 9.40 | 0.06 | 20.2 | 30.8 | 1360 |
| W233864 | | 1.72 | 7.16 | 0.17 | 1.5 | 0.029 | 1.27 | 53.3 | 13.7 | 1.41 | 1560 | 3.04 | 0.05 | 13.0 | 14.9 | 1170 |
| W233865 | | 2.60 | 12.00 | 0.13 | 2.7 | 0.050 | 2.18 | 24.7 | 20.6 | 1.98 | 457 | 6.23 | 0.05 | 25.0 | 22.1 | 1460 |
| W233866 | | 2.89 | 12.45 | 0.12 | 2.8 | 0.038 | 2.33 | 25.4 | 19.2 | 1.83 | 424 | 7.49 | 0.05 | 26.1 | 28.4 | 1390 |
| W233867 | | 3.48 | 12.80 | 0.15 | 2.8 | 0.037 | 2.33 | 36.0 | 18.1 | 1.94 | 621 | 5.75 | 0.05 | 26.4 | 33.2 | 1550 |
| W233868 | | 3.51 | 13.20 | 0.17 | 2.9 | 0.035 | 2.25 | 39.1 | 15.7 | 1.45 | 787 | 4.84 | 0.05 | 27.0 | 40.5 | 1690 |
| W233869 | | 3.93 | 14.40 | 0.18 | 3.3 | 0.043 | 2.62 | 36.1 | 18.9 | 1.95 | 658 | 5.94 | 0.05 | 32.9 | 38.8 | 1660 |
| W233870 | | 3.67 | 12.60 | 0.14 | 2.7 | 0.041 | 2.24 | 31.9 | 9.8 | 1.69 | 760 | 7.29 | 0.05 | 25.1 | 50.0 | 1630 |
| W233871 | | 3.17 | 14.05 | 0.15 | 2.9 | 0.040 | 2.48 | 33.5 | 10.4 | 1.78 | 675 | 7.00 | 0.04 | 26.1 | 48.0 | 1660 |
| W233872 | | 3.18 | 11.65 | 0.13 | 2.5 | 0.032 | 2.19 | 27.2 | 8.5 | 1.49 | 646 | 4.25 | 0.04 | 23.5 | 35.7 | 1270 |
| W233873 | | 3.14 | 12.00 | 0.15 | 2.4 | 0.036 | 2.14 | 32.9 | 8.3 | 1.84 | 631 | 4.00 | 0.04 | 23.4 | 33.7 | 1610 |
| W233874 | | 4.38 | 14.05 | 0.15 | 3.3 | 0.045 | 2.53 | 36.4 | 9.9 | 1.50 | 463 | 11.50 | 0.04 | 34.2 | 57.1 | 1990 |
| W233875 | | 2.61 | 14.05 | 0.09 | 1.9 | 0.040 | 1.51 | 13.5 | 2.6 | 0.57 | 747 | 6.57 | 3.34 | 6.2 | 8.3 | 510 |
| W233876 | | 2.99 | 13.30 | 0.14 | 2.9 | 0.037 | 2.33 | 33.6 | 9.2 | 1.82 | 609 | 3.61 | 0.04 | 27.0 | 33.5 | 1560 |
| W233877 | | 4.28 | 15.25 | 0.15 | 3.6 | 0.044 | 3.01 | 32.2 | 10.3 | 1.25 | 423 | 15.25 | 0.05 | 35.9 | 49.3 | 1440 |
| W233878 | | 3.85 | 12.75 | 0.15 | 3.1 | 0.038 | 2.41 | 37.2 | 8.6 | 2.12 | 686 | 8.38 | 0.04 | 34.8 | 49.3 | 1610 |
| W233879 | | 3.52 | 13.30 | 0.15 | 3.0 | 0.039 | 2.38 | 35.3 | 8.8 | 1.85 | 618 | 7.48 | 0.04 | 27.3 | 40.6 | 1240 |
| W233880 | | 2.67 | 11.65 | 0.12 | 2.4 | 0.032 | 2.00 | 24.8 | 7.7 | 1.76 | 675 | 2.88 | 0.04 | 22.6 | 29.0 | 990 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227718

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233841 | | 3.3 | 144.5 | 0.002 | 0.53 | 0.49 | 18.7 | 1 | 5.9 | 127.0 | 4.67 | 0.05 | 15.45 | 0.769 | 1.03 | 1.4 |
| W233842 | | 2.3 | 145.0 | <0.002 | 0.39 | 0.79 | 18.2 | 1 | 5.2 | 102.0 | 4.01 | <0.05 | 12.75 | 0.830 | 0.91 | 2.2 |
| W233843 | | 4.8 | 101.5 | <0.002 | 2.22 | 1.82 | 14.1 | 2 | 4.6 | 113.5 | 1.53 | 0.14 | 9.55 | 0.519 | 0.86 | 1.3 |
| W233844 | | 3.4 | 152.0 | 0.002 | 0.32 | 0.93 | 20.3 | 1 | 6.4 | 89.1 | 2.81 | <0.05 | 12.65 | 0.897 | 1.12 | 1.4 |
| W233845 | | 3.1 | 140.0 | 0.002 | 1.20 | 0.71 | 20.8 | 1 | 6.8 | 71.0 | 1.65 | 0.08 | 9.94 | 0.588 | 0.97 | 1.7 |
| W233846 | | 6.9 | 163.5 | 0.002 | 2.84 | 1.00 | 23.7 | 2 | 6.5 | 95.8 | 1.65 | 0.15 | 10.75 | 0.563 | 1.26 | 2.1 |
| W233847 | | 3.8 | 142.5 | 0.009 | 0.98 | 1.27 | 19.0 | 1 | 5.7 | 125.5 | 2.13 | <0.05 | 9.27 | 0.656 | 1.04 | 3.4 |
| W233848 | | 4.2 | 92.9 | 0.011 | 0.97 | 0.91 | 10.1 | 2 | 3.2 | 57.0 | 1.18 | 0.05 | 6.69 | 0.363 | 0.55 | 5.1 |
| W233849 | | 10.9 | 43.1 | 0.008 | 3.27 | 0.87 | 6.8 | 3 | 2.2 | 100.5 | 0.62 | 0.07 | 4.02 | 0.223 | 0.30 | 4.2 |
| W233850 | | 0.9 | 3.2 | <0.002 | 0.01 | 0.07 | 0.2 | 1 | <0.2 | 83.1 | <0.05 | <0.05 | 0.17 | 0.006 | 0.04 | 0.4 |
| W233851 | | 5.6 | 105.5 | 0.011 | 1.58 | 1.16 | 11.6 | 1 | 4.5 | 82.7 | 1.61 | 0.05 | 7.32 | 0.525 | 0.68 | 4.8 |
| W233852 | | 127.0 | 31.7 | <0.002 | 0.12 | 14.85 | 7.4 | <1 | 1.1 | 209 | 0.35 | <0.05 | 2.58 | 0.198 | 0.45 | 1.2 |
| W233853 | | 8.6 | 127.0 | 0.005 | 2.32 | 1.54 | 14.2 | 2 | 5.1 | 56.7 | 2.00 | 0.09 | 9.45 | 0.627 | 0.84 | 3.9 |
| W233854 | | 5.6 | 73.4 | 0.007 | 1.42 | 1.84 | 11.4 | 2 | 5.5 | 83.5 | 1.48 | 0.07 | 7.49 | 0.433 | 0.44 | 3.1 |
| W233855 | | 9.2 | 92.1 | 0.005 | 2.19 | 0.95 | 13.0 | 2 | 14.1 | 55.3 | 2.47 | 0.10 | 10.00 | 0.765 | 0.49 | 3.8 |
| W233856 | | 6.9 | 56.7 | 0.003 | 1.84 | 3.72 | 10.9 | 3 | 13.2 | 107.5 | 1.32 | 0.16 | 6.28 | 0.422 | 0.28 | 2.5 |
| W233857 | | 6.1 | 65.1 | 0.010 | 1.39 | 2.83 | 9.9 | 2 | 9.3 | 45.6 | 1.32 | 0.07 | 6.33 | 0.477 | 0.36 | 4.1 |
| W233858 | | 6.9 | 49.0 | 0.013 | 1.46 | 1.33 | 5.9 | 1 | 6.3 | 42.7 | 0.87 | 0.07 | 4.22 | 0.273 | 0.33 | 3.4 |
| W233859 | | 6.4 | 83.0 | 0.017 | 1.23 | 0.94 | 10.9 | 2 | 6.4 | 42.9 | 1.51 | 0.05 | 7.10 | 0.445 | 0.50 | 5.6 |
| W233860 | | 11.9 | 67.7 | 0.013 | 1.49 | 0.81 | 8.8 | 2 | 8.0 | 72.4 | 1.01 | 0.07 | 5.34 | 0.330 | 0.42 | 4.8 |
| W233861 | | 13.1 | 67.1 | 0.013 | 1.52 | 0.81 | 8.6 | 2 | 8.2 | 71.9 | 0.96 | 0.07 | 5.25 | 0.330 | 0.41 | 4.9 |
| W233862 | | 11.9 | 21.6 | 0.003 | 1.08 | 0.91 | 7.0 | 2 | 5.1 | 175.5 | 0.47 | <0.05 | 2.42 | 0.162 | 0.12 | 2.3 |
| W233863 | | 12.8 | 64.8 | 0.017 | 1.43 | 0.93 | 6.7 | 2 | 10.9 | 71.9 | 1.09 | 0.09 | 6.62 | 0.370 | 0.40 | 6.8 |
| W233864 | | 6.6 | 54.9 | 0.008 | 0.69 | 0.61 | 5.7 | 1 | 6.9 | 99.2 | 0.70 | <0.05 | 8.51 | 0.233 | 0.37 | 3.5 |
| W233865 | | 11.9 | 85.7 | 0.012 | 0.93 | 0.67 | 9.2 | 1 | 6.6 | 35.9 | 1.34 | 0.06 | 6.89 | 0.449 | 0.59 | 5.5 |
| W233866 | | 11.9 | 89.8 | 0.017 | 1.13 | 0.76 | 9.8 | 2 | 6.9 | 35.7 | 1.42 | 0.06 | 7.05 | 0.473 | 0.63 | 5.5 |
| W233867 | | 7.1 | 86.1 | 0.011 | 1.46 | 0.95 | 10.4 | 2 | 8.4 | 44.5 | 1.45 | 0.07 | 7.90 | 0.451 | 0.58 | 5.7 |
| W233868 | | 8.3 | 85.9 | 0.013 | 1.49 | 0.86 | 10.7 | 2 | 7.3 | 56.0 | 1.47 | 0.05 | 7.74 | 0.463 | 0.54 | 5.6 |
| W233869 | | 9.6 | 96.3 | 0.011 | 1.73 | 1.18 | 12.2 | 2 | 7.2 | 45.1 | 1.83 | 0.07 | 8.01 | 0.579 | 0.68 | 6.6 |
| W233870 | | 6.2 | 76.7 | 0.017 | 2.41 | 3.93 | 10.4 | 2 | 9.9 | 80.5 | 1.35 | 0.07 | 6.80 | 0.443 | 0.57 | 5.0 |
| W233871 | | 6.3 | 85.7 | 0.015 | 1.96 | 4.38 | 11.5 | 2 | 8.4 | 91.5 | 1.48 | 0.08 | 8.06 | 0.467 | 0.61 | 5.1 |
| W233872 | | 4.1 | 70.7 | 0.016 | 1.92 | 6.00 | 9.8 | 2 | 6.3 | 70.1 | 1.29 | 0.06 | 6.34 | 0.418 | 0.53 | 4.1 |
| W233873 | | 3.9 | 72.3 | 0.013 | 1.68 | 2.01 | 9.7 | 2 | 6.5 | 96.9 | 1.25 | 0.05 | 6.49 | 0.415 | 0.54 | 4.2 |
| W233874 | | 6.5 | 84.7 | 0.015 | 3.29 | 4.07 | 11.7 | 3 | 7.0 | 87.0 | 1.85 | 0.09 | 8.44 | 0.529 | 0.70 | 5.6 |
| W233875 | | 1530 | 30.2 | 0.009 | 0.51 | 112.5 | 7.4 | 3 | 1.7 | 218 | 0.40 | 0.05 | 2.67 | 0.206 | 0.34 | 1.9 |
| W233876 | | 4.4 | 79.4 | 0.010 | 1.75 | 4.99 | 10.5 | 2 | 6.5 | 94.1 | 1.48 | 0.05 | 7.28 | 0.470 | 0.57 | 5.7 |
| W233877 | | 8.2 | 90.4 | 0.035 | 3.69 | 18.95 | 12.4 | 3 | 7.9 | 61.4 | 1.99 | 0.10 | 8.52 | 0.670 | 0.78 | 7.0 |
| W233878 | | 4.2 | 77.5 | 0.011 | 2.30 | 5.93 | 10.6 | 2 | 6.3 | 112.5 | 1.75 | 0.06 | 8.41 | 0.532 | 0.56 | 5.1 |
| W233879 | | 1.6 | 78.5 | 0.017 | 1.77 | 2.66 | 10.6 | 2 | 6.2 | 99.7 | 1.53 | 0.06 | 8.04 | 0.481 | 0.49 | 5.8 |
| W233880 | | 3.6 | 69.6 | 0.009 | 1.23 | 4.37 | 9.0 | 1 | 4.6 | 95.7 | 1.18 | 0.05 | 6.28 | 0.375 | 0.55 | 4.5 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227718

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233841 | | 125 | 1.3 | 35.3 | 63 | 62.2 |
| W233842 | | 135 | 1.5 | 33.9 | 59 | 95.4 |
| W233843 | | 109 | 1.5 | 24.8 | 51 | 48.3 |
| W233844 | | 151 | 1.9 | 32.2 | 68 | 87.9 |
| W233845 | | 155 | 1.6 | 21.3 | 42 | 80.7 |
| W233846 | | 159 | 1.5 | 29.8 | 62 | 109.5 |
| W233847 | | 174 | 2.3 | 24.4 | 36 | 109.0 |
| W233848 | | 133 | 1.1 | 15.5 | 24 | 104.0 |
| W233849 | | 82 | 1.0 | 16.3 | 38 | 61.7 |
| W233850 | | 1 | 0.1 | 2.9 | 3 | 3.6 |
| W233851 | | 165 | 1.5 | 19.3 | 27 | 117.5 |
| W233852 | | 39 | 10.5 | 17.1 | 214 | 61.2 |
| W233853 | | 164 | 1.9 | 25.4 | 43 | 140.5 |
| W233854 | | 129 | 3.3 | 27.5 | 70 | 97.4 |
| W233855 | | 152 | 4.9 | 21.4 | 24 | 118.0 |
| W233856 | | 82 | 4.7 | 28.9 | 21 | 81.4 |
| W233857 | | 153 | 3.9 | 13.3 | 57 | 97.1 |
| W233858 | | 102 | 2.2 | 9.3 | 24 | 65.6 |
| W233859 | | 169 | 2.2 | 15.0 | 20 | 116.5 |
| W233860 | | 125 | 2.5 | 18.1 | 27 | 88.2 |
| W233861 | | 126 | 2.4 | 17.7 | 28 | 85.5 |
| W233862 | | 56 | 2.3 | 41.9 | 34 | 44.1 |
| W233863 | | 131 | 4.2 | 17.0 | 32 | 96.8 |
| W233864 | | 87 | 2.0 | 26.0 | 25 | 63.7 |
| W233865 | | 158 | 2.3 | 13.9 | 111 | 113.0 |
| W233866 | | 160 | 2.5 | 14.0 | 52 | 119.5 |
| W233867 | | 154 | 2.3 | 17.1 | 36 | 118.0 |
| W233868 | | 162 | 2.6 | 18.8 | 18 | 123.0 |
| W233869 | | 172 | 2.6 | 18.4 | 30 | 139.0 |
| W233870 | | 175 | 2.5 | 11.4 | 14 | 103.5 |
| W233871 | | 164 | 2.3 | 11.4 | 12 | 113.0 |
| W233872 | | 162 | 1.7 | 9.8 | 17 | 100.5 |
| W233873 | | 143 | 1.6 | 11.4 | 15 | 99.9 |
| W233874 | | 160 | 1.8 | 13.1 | 21 | 138.5 |
| W233875 | | 53 | 10.2 | 17.8 | 2840 | 65.4 |
| W233876 | | 149 | 1.6 | 11.9 | 18 | 120.0 |
| W233877 | | 273 | 2.2 | 11.5 | 21 | 148.0 |
| W233878 | | 169 | 1.7 | 12.6 | 15 | 134.5 |
| W233879 | | 198 | 1.7 | 11.0 | 12 | 129.5 |
| W233880 | | 125 | 1.3 | 9.3 | 15 | 96.6 |

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 21-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227718

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227688

Project: Rau

P.O. No.: R20-D45

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227688

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R614041 | | 12.05 | 0.01 | 0.02 | 6.30 | 11.9 | 1410 | 1.90 | 0.23 | 3.21 | 0.05 | 89.8 | 7.7 | 52 | 4.19 | 27.4 |
| R614042 | | 12.32 | <0.01 | 0.02 | 7.13 | 9.1 | 1590 | 2.35 | 0.23 | 3.19 | 0.04 | 104.5 | 6.2 | 58 | 5.32 | 16.8 |
| R614043 | | 6.54 | 0.01 | 0.04 | 7.49 | 21.0 | 1670 | 2.44 | 0.55 | 1.36 | 0.04 | 121.5 | 13.3 | 60 | 6.31 | 48.0 |
| R614044 | | 2.07 | 0.01 | 0.03 | 7.25 | 38.8 | 1550 | 2.39 | 0.40 | 1.66 | 0.06 | 116.0 | 14.2 | 69 | 5.88 | 45.6 |
| R614045 | | 3.61 | 0.02 | 0.04 | 7.62 | 82.5 | 1660 | 2.63 | 0.55 | 1.15 | 0.05 | 96.2 | 23.0 | 110 | 7.43 | 69.0 |
| R614046 | | <0.02 | 0.01 | 0.03 | 7.57 | 80.9 | 1650 | 2.62 | 0.52 | 1.15 | 0.06 | 101.5 | 22.1 | 109 | 7.83 | 63.7 |
| R614047 | | 5.22 | 0.01 | 0.04 | 7.63 | 78.0 | 1140 | 2.26 | 1.19 | 1.64 | 0.05 | 98.7 | 29.1 | 101 | 6.81 | 112.5 |
| R614048 | | 5.72 | 0.01 | 0.05 | 7.82 | 89.4 | 1690 | 2.68 | 1.02 | 1.39 | 0.07 | 104.5 | 26.6 | 107 | 7.21 | 89.1 |
| R614049 | | 12.27 | 0.01 | 0.11 | 7.03 | 38.1 | 390 | 2.35 | 2.17 | 2.09 | 0.06 | 93.2 | 45.9 | 90 | 5.76 | 201 |
| R614050 | | 12.11 | 0.01 | 0.05 | 7.32 | 42.0 | 1550 | 2.18 | 1.09 | 1.76 | 0.06 | 93.2 | 22.0 | 98 | 5.44 | 82.3 |
| R614051 | | 11.65 | 0.01 | 0.08 | 7.74 | 24.4 | 720 | 2.60 | 1.66 | 1.75 | 0.07 | 106.5 | 32.0 | 99 | 6.73 | 137.0 |
| R614052 | | 4.82 | 0.01 | 0.11 | 7.90 | 32.1 | 1230 | 2.77 | 1.13 | 1.39 | 0.04 | 105.5 | 25.9 | 112 | 6.11 | 88.1 |
| R614053 | | 0.85 | 0.02 | 0.14 | 4.58 | 23.2 | 400 | 1.45 | 0.98 | 2.68 | 0.06 | 46.3 | 36.1 | 61 | 2.83 | 146.0 |
| R614054 | | 5.01 | 0.01 | 0.05 | 7.33 | 8.2 | 1580 | 2.41 | 0.51 | 1.63 | 0.05 | 106.0 | 13.9 | 82 | 5.06 | 33.5 |
| R614055 | | 2.98 | 0.01 | 0.07 | 6.78 | 24.3 | 1480 | 2.20 | 0.54 | 2.72 | 0.08 | 103.0 | 16.8 | 56 | 4.41 | 24.7 |
| R614056 | | 1.40 | 0.01 | 0.04 | 6.07 | 8.9 | 1330 | 2.06 | 0.50 | 3.14 | 0.06 | 86.9 | 13.0 | 55 | 4.26 | 43.0 |
| R614057 | | 1.56 | 0.01 | 0.05 | 5.99 | 10.7 | 1300 | 2.06 | 0.71 | 2.94 | 0.07 | 94.9 | 18.0 | 59 | 4.39 | 46.3 |
| R614058 | | 6.06 | 0.01 | 0.08 | 7.54 | 11.4 | 570 | 2.55 | 1.74 | 1.61 | 0.05 | 108.0 | 31.9 | 98 | 6.26 | 110.5 |
| R614059 | | 12.10 | 0.01 | 0.05 | 6.90 | 11.1 | 1500 | 2.48 | 0.74 | 2.23 | 0.08 | 115.5 | 12.7 | 70 | 6.38 | 42.6 |
| R614060 | | 0.16 | 1.43 | 65.7 | 6.91 | 27.6 | 4280 | 1.05 | 0.12 | 1.88 | 12.90 | 24.0 | 4.5 | 18 | 0.38 | 212 |
| R614061 | | 11.01 | 0.07 | 0.05 | 6.11 | 19.4 | 1370 | 2.19 | 0.30 | 3.09 | 0.06 | 97.2 | 17.0 | 50 | 5.43 | 23.2 |
| R614062 | | 11.37 | <0.01 | 0.07 | 5.89 | 9.8 | 1360 | 2.06 | 0.59 | 4.08 | 0.06 | 95.9 | 15.9 | 48 | 4.22 | 55.7 |
| R614063 | | 0.42 | <0.01 | 0.09 | 2.78 | 3.1 | 20 | 1.03 | 0.49 | 3.52 | 0.08 | 38.5 | 16.1 | 26 | 2.21 | 72.8 |
| R614064 | | 2.15 | <0.01 | <0.01 | 0.12 | <0.2 | 20 | 0.07 | 0.01 | 35.4 | <0.02 | 1.24 | 0.7 | 2 | <0.05 | 1.7 |
| R614065 | | 5.87 | <0.01 | 0.08 | 5.71 | 6.7 | 1300 | 1.61 | 0.78 | 3.95 | 0.07 | 79.1 | 11.8 | 56 | 3.72 | 71.3 |
| R614066 | | 0.94 | <0.01 | 0.21 | 1.85 | 9.6 | 290 | 0.67 | 0.33 | 2.10 | 0.08 | 24.9 | 27.5 | 39 | 1.55 | 174.0 |
| R614067 | | 6.80 | <0.01 | 0.15 | 6.38 | 105.5 | 800 | 1.83 | 1.07 | 3.68 | 0.09 | 89.2 | 23.2 | 99 | 4.80 | 75.0 |
| R614068 | | 5.32 | 0.03 | 0.11 | 4.77 | 109.5 | 840 | 1.49 | 0.56 | 3.35 | 0.14 | 64.5 | 23.2 | 77 | 3.81 | 73.1 |
| R614069 | | 5.46 | 0.01 | 0.11 | 5.30 | 73.5 | 590 | 1.63 | 1.08 | 3.90 | 0.11 | 78.6 | 24.4 | 84 | 4.21 | 88.2 |
| R614070 | | 5.66 | <0.01 | 0.07 | 4.15 | 36.1 | 950 | 1.33 | 0.43 | 5.07 | 0.09 | 63.3 | 11.0 | 82 | 3.15 | 44.2 |
| R614071 | | 6.81 | <0.01 | 0.07 | 4.88 | 6.5 | 1130 | 1.53 | 0.58 | 4.65 | 0.12 | 70.4 | 8.9 | 86 | 3.59 | 39.5 |
| R614072 | | 5.76 | <0.01 | 0.06 | 4.03 | 4.9 | 910 | 1.20 | 0.67 | 4.43 | 0.13 | 56.9 | 10.1 | 67 | 2.78 | 45.2 |
| R614073 | | 6.06 | 0.01 | 0.07 | 4.36 | 5.6 | 970 | 1.35 | 1.14 | 5.70 | 0.27 | 69.7 | 12.1 | 87 | 2.99 | 50.4 |
| R614074 | | 6.28 | <0.01 | 0.05 | 2.78 | 22.2 | 600 | 0.87 | 0.93 | 7.71 | 0.25 | 64.4 | 10.1 | 69 | 1.87 | 45.7 |
| R614075 | | 6.46 | 0.01 | 0.05 | 4.34 | 34.2 | 990 | 1.33 | 0.85 | 4.82 | 0.15 | 57.6 | 10.3 | 78 | 3.36 | 29.6 |
| R614076 | | 0.16 | 0.64 | 1.36 | 7.13 | 27.4 | 830 | 1.11 | 0.16 | 1.84 | 1.13 | 26.9 | 4.5 | 13 | 0.33 | 43.5 |
| R614077 | | 5.39 | 0.01 | 0.06 | 4.56 | 29.7 | 1050 | 1.36 | 1.05 | 5.25 | 0.11 | 68.3 | 10.5 | 89 | 3.28 | 33.6 |
| R614078 | | 1.05 | 0.03 | 0.06 | 5.54 | 88.0 | 890 | 1.72 | 0.72 | 2.08 | 0.21 | 96.1 | 34.3 | 79 | 4.61 | 136.0 |
| R614079 | | 11.25 | 0.01 | 0.11 | 3.98 | 45.7 | 910 | 1.32 | 1.58 | 5.47 | 0.16 | 59.3 | 12.4 | 78 | 2.83 | 29.1 |
| R614080 | | 6.48 | 0.02 | 0.11 | 5.21 | 30.2 | 1180 | 1.60 | 2.10 | 4.74 | 0.07 | 71.3 | 12.5 | 88 | 3.77 | 25.8 |

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

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227688

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R614041 | | 4.68 | 16.40 | 0.14 | 1.6 | 0.048 | 3.10 | 47.2 | 8.6 | 2.22 | 669 | 0.28 | 0.06 | 31.0 | 17.6 | 1520 |
| R614042 | | 4.53 | 19.70 | 0.15 | 2.1 | 0.060 | 3.58 | 54.7 | 10.3 | 2.23 | 651 | 0.42 | 0.07 | 41.1 | 16.9 | 1750 |
| R614043 | | 5.03 | 21.4 | 0.18 | 2.9 | 0.075 | 3.74 | 63.3 | 12.2 | 1.69 | 412 | 1.35 | 0.07 | 57.2 | 31.5 | 1780 |
| R614044 | | 5.58 | 20.2 | 0.16 | 2.9 | 0.066 | 3.45 | 59.9 | 14.9 | 1.90 | 484 | 1.26 | 0.06 | 50.8 | 34.9 | 2040 |
| R614045 | | 5.37 | 21.3 | 0.15 | 2.9 | 0.066 | 3.83 | 48.9 | 12.7 | 1.62 | 341 | 0.94 | 0.06 | 36.8 | 58.5 | 1590 |
| R614046 | | 5.36 | 22.5 | 0.16 | 3.2 | 0.072 | 3.83 | 51.6 | 13.4 | 1.63 | 356 | 1.07 | 0.06 | 38.8 | 56.9 | 1600 |
| R614047 | | 7.03 | 19.85 | 0.15 | 3.0 | 0.063 | 3.80 | 49.7 | 12.8 | 1.87 | 417 | 1.88 | 0.07 | 36.9 | 81.6 | 2140 |
| R614048 | | 6.09 | 22.8 | 0.17 | 3.5 | 0.074 | 3.87 | 52.4 | 13.7 | 1.76 | 405 | 1.71 | 0.07 | 42.5 | 63.5 | 1930 |
| R614049 | | 8.54 | 20.7 | 0.17 | 3.0 | 0.069 | 3.40 | 47.7 | 11.3 | 1.68 | 447 | 2.71 | 0.06 | 32.2 | 90.1 | 1830 |
| R614050 | | 5.77 | 19.20 | 0.15 | 3.2 | 0.063 | 3.54 | 46.7 | 10.9 | 1.78 | 479 | 2.43 | 0.06 | 36.3 | 60.5 | 2150 |
| R614051 | | 7.03 | 22.6 | 0.17 | 3.5 | 0.069 | 3.78 | 53.4 | 11.8 | 1.79 | 432 | 3.09 | 0.07 | 38.9 | 79.8 | 2200 |
| R614052 | | 6.29 | 23.4 | 0.18 | 3.7 | 0.075 | 3.79 | 52.8 | 11.4 | 1.77 | 379 | 2.66 | 0.07 | 42.4 | 66.3 | 2090 |
| R614053 | | 6.34 | 12.95 | 0.11 | 1.6 | 0.042 | 2.13 | 23.5 | 6.4 | 1.57 | 571 | 1.06 | 0.05 | 17.8 | 81.1 | 1050 |
| R614054 | | 4.83 | 20.7 | 0.16 | 3.1 | 0.069 | 3.61 | 54.4 | 8.2 | 1.72 | 432 | 1.43 | 0.07 | 46.8 | 36.2 | 1920 |
| R614055 | | 5.12 | 18.10 | 0.15 | 2.7 | 0.065 | 3.42 | 53.9 | 7.7 | 1.95 | 584 | 1.60 | 0.06 | 42.0 | 32.4 | 2300 |
| R614056 | | 5.27 | 17.25 | 0.14 | 2.4 | 0.060 | 3.00 | 44.9 | 7.5 | 2.02 | 723 | 1.15 | 0.06 | 36.0 | 33.1 | 1650 |
| R614057 | | 5.03 | 18.00 | 0.15 | 2.7 | 0.061 | 2.98 | 48.0 | 8.0 | 1.87 | 616 | 1.86 | 0.06 | 37.0 | 36.5 | 1710 |
| R614058 | | 6.83 | 23.0 | 0.17 | 3.7 | 0.070 | 3.71 | 53.0 | 11.6 | 1.58 | 408 | 3.36 | 0.06 | 38.5 | 91.7 | 2200 |
| R614059 | | 5.55 | 21.3 | 0.17 | 2.9 | 0.079 | 3.36 | 61.3 | 14.1 | 2.02 | 586 | 1.59 | 0.06 | 52.3 | 46.1 | 1900 |
| R614060 | | 2.55 | 13.45 | 0.09 | 1.8 | 0.032 | 1.47 | 12.5 | 2.7 | 0.55 | 711 | 5.94 | 3.18 | 5.2 | 7.8 | 480 |
| R614061 | | 4.72 | 18.25 | 0.16 | 2.5 | 0.061 | 2.99 | 52.3 | 11.2 | 1.98 | 560 | 1.05 | 0.05 | 46.7 | 30.9 | 1760 |
| R614062 | | 3.72 | 17.45 | 0.15 | 2.6 | 0.053 | 3.01 | 52.3 | 8.6 | 1.72 | 576 | 1.65 | 0.05 | 41.1 | 32.4 | 1620 |
| R614063 | | 19.35 | 8.07 | 0.15 | 0.9 | 0.023 | 1.38 | 19.4 | 3.7 | 1.46 | 530 | 0.69 | 0.03 | 14.5 | 29.2 | 750 |
| R614064 | | 0.22 | 0.42 | <0.05 | <0.1 | <0.005 | 0.03 | 1.2 | 0.9 | 1.35 | 93 | <0.05 | 0.06 | 0.3 | 1.4 | 70 |
| R614065 | | 4.29 | 14.45 | 0.10 | 2.4 | 0.045 | 3.00 | 41.9 | 6.8 | 1.64 | 560 | 1.54 | 0.05 | 34.5 | 25.4 | 1640 |
| R614066 | | 6.10 | 5.30 | 0.06 | 0.7 | 0.015 | 0.95 | 13.3 | 2.5 | 0.85 | 449 | 0.90 | 0.02 | 9.4 | 68.5 | 420 |
| R614067 | | 4.45 | 16.85 | 0.13 | 3.2 | 0.044 | 3.29 | 46.6 | 7.8 | 1.56 | 487 | 4.30 | 0.06 | 35.5 | 46.9 | 2200 |
| R614068 | | 4.68 | 13.10 | 0.11 | 2.4 | 0.039 | 2.47 | 33.8 | 5.8 | 1.41 | 519 | 3.45 | 0.04 | 27.2 | 41.3 | 1530 |
| R614069 | | 4.97 | 14.85 | 0.12 | 2.9 | 0.038 | 2.73 | 42.0 | 6.7 | 1.58 | 508 | 5.30 | 0.05 | 30.1 | 59.7 | 2090 |
| R614070 | | 3.61 | 11.30 | 0.10 | 2.2 | 0.025 | 2.09 | 33.0 | 5.7 | 2.14 | 590 | 1.02 | 0.04 | 22.7 | 21.7 | 1200 |
| R614071 | | 3.90 | 13.00 | 0.13 | 2.4 | 0.036 | 2.49 | 38.3 | 6.1 | 1.87 | 547 | 4.48 | 0.05 | 27.2 | 31.7 | 2050 |
| R614072 | | 3.73 | 11.00 | 0.12 | 2.1 | 0.036 | 2.02 | 30.5 | 4.8 | 1.75 | 546 | 4.51 | 0.04 | 25.7 | 34.7 | 1660 |
| R614073 | | 4.97 | 11.75 | 0.13 | 2.4 | 0.035 | 2.21 | 38.2 | 5.2 | 2.19 | 725 | 10.60 | 0.05 | 27.6 | 52.4 | 2320 |
| R614074 | | 4.98 | 7.49 | 0.09 | 1.4 | 0.028 | 1.37 | 37.1 | 3.5 | 3.14 | 955 | 1.39 | 0.03 | 12.7 | 31.4 | 1790 |
| R614075 | | 3.91 | 11.90 | 0.12 | 2.0 | 0.033 | 2.20 | 31.4 | 5.1 | 2.00 | 637 | 4.45 | 0.04 | 23.7 | 25.8 | 1570 |
| R614076 | | 2.45 | 14.45 | 0.10 | 1.7 | 0.055 | 1.53 | 12.5 | 2.2 | 0.57 | 729 | 4.59 | 3.39 | 5.4 | 5.3 | 410 |
| R614077 | | 3.67 | 12.35 | 0.12 | 2.3 | 0.031 | 2.32 | 37.3 | 5.4 | 2.09 | 699 | 3.97 | 0.05 | 25.0 | 35.9 | 1680 |
| R614078 | | 6.85 | 17.05 | 0.16 | 2.2 | 0.060 | 2.63 | 49.1 | 9.4 | 1.59 | 519 | 1.63 | 0.05 | 29.9 | 76.1 | 1990 |
| R614079 | | 3.84 | 10.85 | 0.11 | 2.2 | 0.033 | 2.02 | 33.2 | 4.4 | 2.12 | 674 | 9.18 | 0.04 | 24.1 | 34.7 | 2260 |
| R614080 | | 3.62 | 14.55 | 0.14 | 2.6 | 0.040 | 2.65 | 38.0 | 5.6 | 1.93 | 584 | 5.67 | 0.05 | 32.2 | 34.3 | 2490 |

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

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| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R614041 | | 1.6 | 120.5 | <0.002 | 0.37 | 0.40 | 12.0 | <1 | 5.9 | 87.5 | 1.59 | <0.05 | 11.10 | 0.585 | 0.57 | 1.4 |
| R614042 | | 1.7 | 145.0 | <0.002 | 0.27 | 0.50 | 14.6 | 1 | 7.2 | 95.1 | 2.12 | <0.05 | 12.80 | 0.710 | 0.68 | 1.8 |
| R614043 | | 2.7 | 159.0 | 0.002 | 0.59 | 0.79 | 17.0 | 1 | 8.4 | 64.6 | 2.90 | <0.05 | 13.50 | 0.889 | 0.83 | 2.9 |
| R614044 | | 2.8 | 144.0 | 0.003 | 0.66 | 0.79 | 15.8 | 1 | 8.1 | 72.7 | 2.65 | <0.05 | 12.80 | 0.851 | 0.77 | 2.9 |
| R614045 | | 3.0 | 159.5 | 0.003 | 0.85 | 0.75 | 16.1 | 1 | 7.6 | 56.8 | 2.02 | <0.05 | 11.75 | 1.020 | 0.84 | 2.7 |
| R614046 | | 3.0 | 168.5 | 0.003 | 0.82 | 0.76 | 17.0 | 1 | 8.0 | 59.3 | 2.16 | <0.05 | 12.60 | 1.025 | 0.89 | 2.9 |
| R614047 | | 3.6 | 143.5 | 0.004 | 1.46 | 0.97 | 15.3 | 2 | 7.5 | 66.9 | 1.98 | 0.08 | 11.05 | 1.065 | 0.76 | 3.0 |
| R614048 | | 3.6 | 166.0 | 0.005 | 1.11 | 0.85 | 17.0 | 2 | 8.1 | 66.4 | 2.25 | 0.05 | 12.45 | 1.090 | 0.83 | 3.4 |
| R614049 | | 5.1 | 142.5 | 0.005 | 2.43 | 1.18 | 15.2 | 4 | 6.7 | 79.1 | 1.70 | 0.12 | 11.00 | 0.769 | 0.73 | 3.3 |
| R614050 | | 3.5 | 137.0 | 0.003 | 1.17 | 0.74 | 14.3 | 2 | 6.9 | 68.5 | 1.94 | 0.06 | 10.50 | 1.005 | 0.69 | 3.3 |
| R614051 | | 4.1 | 161.0 | 0.005 | 1.80 | 1.08 | 17.2 | 2 | 7.7 | 77.7 | 2.08 | 0.10 | 12.10 | 0.965 | 0.82 | 3.6 |
| R614052 | | 3.3 | 159.5 | 0.004 | 1.43 | 1.37 | 17.7 | 1 | 7.9 | 69.2 | 2.22 | 0.06 | 12.75 | 1.025 | 0.80 | 3.8 |
| R614053 | | 3.8 | 86.3 | 0.003 | 2.34 | 0.71 | 8.9 | 2 | 4.9 | 76.5 | 0.91 | 0.06 | 5.90 | 0.430 | 0.42 | 1.6 |
| R614054 | | 2.1 | 149.0 | 0.003 | 0.78 | 0.87 | 15.7 | 1 | 7.2 | 65.3 | 2.45 | <0.05 | 12.35 | 0.885 | 0.67 | 3.2 |
| R614055 | | 3.4 | 137.5 | 0.003 | 0.99 | 1.07 | 13.4 | 1 | 6.1 | 86.7 | 2.24 | <0.05 | 11.95 | 0.648 | 0.63 | 2.8 |
| R614056 | | 2.3 | 123.0 | 0.003 | 0.73 | 0.50 | 12.6 | 1 | 5.8 | 104.0 | 1.83 | <0.05 | 10.25 | 0.636 | 0.61 | 2.5 |
| R614057 | | 2.6 | 125.5 | 0.005 | 0.89 | 0.53 | 13.2 | 1 | 6.1 | 104.5 | 1.89 | <0.05 | 10.85 | 0.664 | 0.59 | 3.0 |
| R614058 | | 4.5 | 158.0 | 0.006 | 1.97 | 1.22 | 17.0 | 2 | 7.9 | 79.9 | 2.08 | 0.09 | 12.25 | 0.974 | 0.82 | 4.1 |
| R614059 | | 3.2 | 146.0 | 0.003 | 0.87 | 0.96 | 16.0 | 1 | 7.5 | 87.1 | 2.73 | <0.05 | 12.85 | 0.833 | 0.77 | 2.8 |
| R614060 | | 1460 | 28.2 | 0.010 | 0.49 | 101.5 | 6.7 | 3 | 1.6 | 207 | 0.35 | 0.06 | 2.54 | 0.196 | 0.33 | 1.6 |
| R614061 | | 3.0 | 128.0 | 0.002 | 0.39 | 0.62 | 13.9 | 1 | 5.5 | 117.0 | 2.33 | <0.05 | 10.85 | 0.745 | 0.61 | 2.6 |
| R614062 | | 2.8 | 124.0 | 0.002 | 0.84 | 0.62 | 13.6 | 1 | 5.2 | 127.5 | 2.10 | <0.05 | 10.85 | 0.651 | 0.61 | 2.9 |
| R614063 | | 2.7 | 54.5 | <0.002 | >10.0 | 37.5 | 5.9 | 9 | 2.4 | 81.1 | 0.75 | <0.05 | 4.76 | 0.244 | 1.20 | 3.2 |
| R614064 | | <0.5 | 1.0 | <0.002 | 0.08 | 0.21 | 0.2 | 2 | <0.2 | 83.2 | <0.05 | <0.05 | 0.10 | 0.007 | <0.02 | 0.3 |
| R614065 | | 2.9 | 107.0 | 0.003 | 1.23 | 0.64 | 10.7 | 2 | 4.6 | 111.0 | 1.82 | <0.05 | 9.76 | 0.616 | 0.52 | 3.0 |
| R614066 | | 3.4 | 39.0 | <0.002 | 3.09 | 0.44 | 4.3 | 4 | 2.0 | 47.4 | 0.50 | <0.05 | 2.89 | 0.149 | 0.18 | 3.4 |
| R614067 | | 6.9 | 130.0 | 0.009 | 1.80 | 1.68 | 14.0 | 2 | 6.1 | 86.2 | 1.97 | 0.06 | 10.40 | 0.631 | 0.62 | 4.8 |
| R614068 | | 3.2 | 97.3 | 0.006 | 1.61 | 0.68 | 10.4 | 2 | 4.5 | 89.6 | 1.43 | <0.05 | 7.82 | 0.444 | 0.46 | 4.5 |
| R614069 | | 5.9 | 111.0 | 0.012 | 1.74 | 0.94 | 12.2 | 3 | 6.0 | 96.6 | 1.68 | 0.07 | 9.39 | 0.505 | 0.54 | 5.2 |
| R614070 | | 2.4 | 84.8 | <0.002 | 0.80 | 0.51 | 9.7 | 2 | 3.2 | 113.5 | 1.22 | <0.05 | 7.85 | 0.388 | 0.42 | 3.1 |
| R614071 | | 3.9 | 101.0 | 0.008 | 0.88 | 0.72 | 11.6 | 2 | 3.7 | 108.5 | 1.40 | 0.05 | 6.90 | 0.453 | 0.47 | 5.4 |
| R614072 | | 4.1 | 85.3 | 0.007 | 1.05 | 0.87 | 9.4 | 2 | 3.5 | 98.6 | 1.28 | <0.05 | 5.96 | 0.398 | 0.42 | 5.7 |
| R614073 | | 9.5 | 90.2 | 0.013 | 1.24 | 1.05 | 10.2 | 3 | 3.8 | 121.0 | 1.35 | 0.07 | 6.64 | 0.432 | 0.45 | 6.9 |
| R614074 | | 5.3 | 60.0 | <0.002 | 1.19 | 0.85 | 7.0 | 2 | 2.3 | 152.5 | 0.64 | 0.05 | 5.01 | 0.215 | 0.30 | 2.6 |
| R614075 | | 4.2 | 93.2 | 0.006 | 0.98 | 0.71 | 10.6 | 2 | 3.6 | 106.5 | 1.20 | 0.06 | 5.91 | 0.385 | 0.43 | 4.3 |
| R614076 | | 124.0 | 33.8 | <0.002 | 0.12 | 14.20 | 7.3 | 1 | 1.1 | 206 | 0.35 | <0.05 | 2.52 | 0.195 | 0.42 | 1.1 |
| R614077 | | 3.9 | 94.3 | 0.005 | 0.92 | 0.79 | 10.8 | 2 | 4.2 | 102.0 | 1.27 | 0.09 | 6.84 | 0.412 | 0.47 | 4.4 |
| R614078 | | 4.6 | 121.5 | 0.002 | 1.53 | 0.89 | 12.3 | 3 | 6.1 | 75.3 | 1.46 | 0.06 | 8.35 | 0.720 | 0.58 | 2.3 |
| R614079 | | 4.5 | 82.9 | 0.014 | 1.10 | 2.01 | 9.3 | 1 | 4.1 | 106.0 | 1.25 | 0.08 | 5.94 | 0.394 | 0.47 | 5.5 |
| R614080 | | 4.2 | 110.5 | 0.008 | 1.25 | 0.92 | 12.4 | 2 | 4.8 | 105.5 | 1.64 | 0.11 | 7.40 | 0.529 | 0.56 | 6.0 |

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

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


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227688

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R614041 | | 105 | 1.3 | 9.2 | 36 | 62.9 |
| R614042 | | 125 | 1.5 | 11.3 | 37 | 91.8 |
| R614043 | | 148 | 2.0 | 12.2 | 38 | 122.0 |
| R614044 | | 146 | 1.9 | 12.4 | 41 | 120.0 |
| R614045 | | 169 | 2.1 | 10.2 | 36 | 119.5 |
| R614046 | | 168 | 2.2 | 11.2 | 37 | 135.0 |
| R614047 | | 179 | 1.9 | 11.0 | 41 | 125.0 |
| R614048 | | 182 | 2.1 | 11.9 | 42 | 140.5 |
| R614049 | | 155 | 1.6 | 10.5 | 31 | 122.0 |
| R614050 | | 177 | 1.9 | 10.7 | 33 | 140.5 |
| R614051 | | 184 | 2.1 | 12.7 | 35 | 141.0 |
| R614052 | | 187 | 2.7 | 13.3 | 31 | 150.5 |
| R614053 | | 96 | 1.4 | 7.2 | 20 | 64.5 |
| R614054 | | 156 | 2.4 | 14.2 | 28 | 132.5 |
| R614055 | | 132 | 1.6 | 14.3 | 31 | 112.0 |
| R614056 | | 123 | 1.5 | 12.5 | 24 | 96.1 |
| R614057 | | 140 | 1.9 | 13.6 | 23 | 112.0 |
| R614058 | | 201 | 2.1 | 15.3 | 28 | 146.5 |
| R614059 | | 143 | 1.6 | 14.9 | 44 | 121.0 |
| R614060 | | 51 | 9.5 | 15.8 | 2700 | 54.9 |
| R614061 | | 119 | 1.8 | 15.0 | 38 | 104.5 |
| R614062 | | 117 | 1.6 | 15.0 | 16 | 108.5 |
| R614063 | | 46 | 0.8 | 9.6 | 15 | 35.0 |
| R614064 | | 1 | <0.1 | 1.9 | 3 | 1.5 |
| R614065 | | 111 | 1.3 | 12.1 | 17 | 96.9 |
| R614066 | | 37 | 0.6 | 4.9 | 15 | 30.9 |
| R614067 | | 308 | 1.8 | 12.9 | 22 | 129.0 |
| R614068 | | 217 | 1.3 | 10.5 | 27 | 95.0 |
| R614069 | | 255 | 1.5 | 12.3 | 21 | 111.5 |
| R614070 | | 94 | 0.9 | 9.8 | 19 | 84.5 |
| R614071 | | 149 | 1.3 | 10.9 | 21 | 106.5 |
| R614072 | | 145 | 1.3 | 9.0 | 20 | 99.2 |
| R614073 | | 161 | 1.3 | 11.6 | 35 | 108.5 |
| R614074 | | 77 | 0.8 | 10.2 | 28 | 58.7 |
| R614075 | | 138 | 1.1 | 9.8 | 22 | 91.5 |
| R614076 | | 38 | 10.0 | 17.3 | 208 | 59.1 |
| R614077 | | 139 | 1.2 | 10.8 | 19 | 103.5 |
| R614078 | | 125 | 1.7 | 9.9 | 59 | 113.0 |
| R614079 | | 175 | 1.4 | 11.3 | 23 | 96.6 |
| R614080 | | 196 | 1.6 | 13.6 | 17 | 126.0 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227688

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227730

Project: Rau

P.O. No.: R20-D46

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227730

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233881 | | 3.01 | 0.07 | 0.30 | 5.20 | 105.0 | 390 | 1.75 | 0.82 | 2.51 | 0.12 | 64.7 | 18.6 | 73 | 3.14 | 42.6 |
| W233882 | | 8.16 | 0.05 | 0.19 | 4.38 | 42.3 | 630 | 1.48 | 0.85 | 3.37 | 0.06 | 62.0 | 13.8 | 60 | 2.65 | 36.5 |
| W233883 | | 3.03 | 0.02 | 0.11 | 3.92 | 49.8 | 480 | 1.29 | 0.23 | 4.62 | 0.12 | 50.6 | 12.8 | 61 | 2.31 | 55.3 |
| W233884 | | 2.63 | 0.07 | 0.26 | 3.64 | 116.0 | 160 | 1.17 | 1.60 | 3.42 | 0.15 | 85.5 | 26.8 | 84 | 1.97 | 81.4 |
| W233885 | | 4.01 | 0.09 | 0.23 | 4.18 | 146.5 | 140 | 1.38 | 3.23 | 2.84 | 0.14 | 74.0 | 30.3 | 82 | 2.44 | 52.3 |
| W233886 | | 2.01 | <0.01 | 0.03 | 0.07 | <0.2 | 20 | 0.05 | 0.03 | 34.7 | <0.02 | 1.03 | 0.9 | 3 | <0.05 | 1.2 |
| W233887 | | 7.10 | 0.07 | 0.15 | 5.00 | 58.9 | 310 | 1.67 | 3.63 | 2.41 | 0.06 | 74.2 | 16.8 | 69 | 3.09 | 30.4 |
| W233888 | | 2.70 | 0.09 | 0.19 | 4.85 | 52.0 | 350 | 1.64 | 5.30 | 2.70 | 0.05 | 64.5 | 19.1 | 64 | 3.14 | 19.3 |
| W233889 | | 2.22 | 0.16 | 0.20 | 5.19 | 124.5 | 40 | 1.75 | 5.54 | 0.48 | 0.04 | 51.3 | 34.9 | 63 | 3.57 | 39.2 |
| W233890 | | 11.81 | 0.13 | 0.14 | 4.70 | 46.8 | 380 | 1.51 | 8.92 | 3.10 | 0.11 | 64.2 | 14.5 | 63 | 2.97 | 22.2 |
| W233891 | | 0.16 | 0.92 | 68.8 | 5.74 | 147.5 | 2030 | 1.58 | 1.45 | 4.29 | 4.33 | 24.4 | 4.4 | 22 | 1.21 | 519 |
| W233892 | | 11.31 | 0.11 | 0.17 | 4.96 | 39.8 | 790 | 1.49 | 10.00 | 3.46 | 0.12 | 72.1 | 14.3 | 75 | 3.41 | 18.7 |
| W233893 | | 3.62 | 0.14 | 0.20 | 5.23 | 34.6 | 680 | 1.56 | 8.83 | 3.57 | 0.07 | 80.3 | 12.5 | 71 | 3.55 | 21.8 |
| W233894 | | 4.29 | 0.16 | 0.19 | 5.16 | 50.9 | 890 | 1.54 | 9.57 | 3.86 | 0.08 | 72.7 | 14.1 | 74 | 3.49 | 21.5 |
| W233895 | | 1.13 | 0.15 | 0.20 | 2.84 | 2800 | 30 | 0.90 | 7.98 | 2.09 | 0.07 | 36.5 | 44.8 | 50 | 2.26 | 64.7 |
| W233896 | | 4.41 | 0.13 | 0.22 | 5.37 | 51.2 | 490 | 1.72 | 8.52 | 2.97 | 0.10 | 71.2 | 17.8 | 85 | 4.37 | 29.5 |
| W233897 | | 2.15 | 0.09 | 0.12 | 4.77 | 55.2 | 300 | 1.39 | 5.22 | 3.63 | 0.12 | 68.8 | 20.6 | 75 | 3.67 | 34.8 |
| W233898 | | 6.35 | 0.02 | 0.09 | 4.67 | 29.3 | 480 | 1.37 | 2.29 | 4.27 | 0.09 | 65.9 | 15.2 | 75 | 3.61 | 36.8 |
| W233899 | | <0.02 | 0.02 | 0.09 | 4.57 | 25.7 | 730 | 1.35 | 2.28 | 4.21 | 0.09 | 68.4 | 14.3 | 73 | 3.58 | 30.0 |
| W233900 | | 4.22 | 0.01 | 0.08 | 5.76 | 32.0 | 1000 | 1.74 | 1.46 | 3.56 | 0.09 | 83.6 | 12.4 | 98 | 4.42 | 32.8 |
| W233901 | | 12.43 | 0.01 | 0.09 | 5.28 | 28.0 | 900 | 1.52 | 1.28 | 3.87 | 0.09 | 80.8 | 13.9 | 96 | 3.87 | 38.0 |
| W233902 | | 2.95 | 0.01 | 0.07 | 5.95 | 52.4 | 1500 | 1.80 | 1.05 | 3.41 | 0.06 | 87.2 | 13.3 | 109 | 4.52 | 40.8 |
| W233903 | | 3.10 | 0.01 | 0.07 | 6.18 | 41.2 | 1560 | 1.91 | 1.02 | 3.18 | 0.06 | 83.9 | 12.2 | 114 | 4.57 | 33.8 |
| W233904 | | 6.91 | 0.01 | 0.13 | 5.90 | 13.3 | 740 | 1.76 | 1.28 | 3.47 | 0.07 | 85.6 | 19.7 | 110 | 4.49 | 75.9 |
| W233905 | | 6.60 | 0.02 | 0.16 | 5.59 | 22.2 | 370 | 1.66 | 0.86 | 3.91 | 0.12 | 84.9 | 23.3 | 113 | 3.90 | 137.5 |
| W233906 | | 1.54 | 0.01 | 0.19 | 3.89 | 18.5 | 260 | 1.14 | 0.96 | 6.60 | 0.19 | 51.9 | 33.6 | 70 | 2.79 | 205 |
| W233907 | | 4.99 | <0.01 | 0.07 | 6.29 | 6.6 | 1490 | 1.73 | 0.35 | 5.69 | 0.08 | 98.5 | 13.9 | 53 | 4.20 | 58.4 |
| W233908 | | 12.57 | <0.01 | 0.04 | 6.90 | 6.1 | 1460 | 1.78 | 0.30 | 3.50 | 0.06 | 101.0 | 15.2 | 58 | 6.38 | 45.4 |
| W233909 | | 12.27 | <0.01 | 0.03 | 7.16 | 18.9 | 1510 | 1.93 | 0.32 | 2.40 | 0.06 | 115.0 | 18.3 | 59 | 6.90 | 28.3 |
| W233910 | | 2.68 | 0.01 | 0.04 | 7.07 | 18.3 | 1530 | 1.94 | 0.60 | 1.66 | 0.03 | 112.0 | 19.8 | 56 | 7.16 | 32.9 |
| W233911 | | 2.20 | 0.01 | 0.08 | 6.74 | 47.4 | 650 | 1.95 | 0.97 | 1.45 | 0.03 | 114.5 | 38.5 | 53 | 7.91 | 82.5 |
| W233912 | | 8.15 | <0.01 | 0.03 | 6.83 | 9.7 | 1390 | 1.92 | 0.42 | 2.09 | 0.07 | 108.0 | 10.3 | 53 | 5.71 | 21.0 |
| W233913 | | 2.07 | 0.01 | 0.08 | 7.27 | 57.8 | 770 | 2.11 | 1.21 | 1.98 | 0.02 | 127.5 | 17.7 | 54 | 6.01 | 45.4 |
| W233914 | | 4.63 | <0.01 | 0.05 | 7.17 | 15.0 | 1490 | 2.15 | 0.42 | 2.47 | 0.04 | 126.5 | 15.3 | 60 | 7.91 | 26.4 |
| W233915 | | 0.16 | 1.31 | 68.1 | 7.69 | 31.7 | 4680 | 1.02 | 0.14 | 2.05 | 16.20 | 27.7 | 6.2 | 19 | 0.47 | 238 |
| W233916 | | 6.25 | 0.01 | 0.05 | 7.72 | 19.2 | 1640 | 2.11 | 0.55 | 1.96 | 0.04 | 114.5 | 16.8 | 65 | 9.70 | 29.7 |
| W233917 | | 5.22 | <0.01 | 0.07 | 6.31 | 9.1 | 1400 | 1.85 | 0.65 | 4.65 | 0.07 | 96.0 | 12.3 | 59 | 4.48 | 39.9 |
| W233918 | | 7.90 | 0.01 | 0.07 | 5.39 | 18.0 | 940 | 1.54 | 1.04 | 4.37 | 0.09 | 76.4 | 14.7 | 89 | 3.55 | 52.8 |
| W233919 | | 6.25 | <0.01 | 0.06 | 6.92 | 6.5 | 1620 | 1.94 | 0.41 | 4.82 | 0.07 | 102.5 | 9.6 | 69 | 4.32 | 30.6 |
| W233920 | | 6.15 | <0.01 | 0.02 | 6.26 | 3.3 | 1420 | 1.56 | 0.06 | 5.48 | 0.24 | 92.0 | 3.6 | 55 | 3.52 | 5.5 |

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**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227730

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233881 | | 3.63 | 14.40 | 0.17 | 3.3 | 0.043 | 2.54 | 34.9 | 9.9 | 1.22 | 416 | 8.43 | 0.05 | 36.5 | 50.0 | 1790 |
| W233882 | | 2.97 | 12.10 | 0.13 | 2.7 | 0.039 | 2.11 | 33.4 | 8.4 | 1.57 | 516 | 4.55 | 0.04 | 27.0 | 36.0 | 2010 |
| W233883 | | 4.33 | 10.65 | 0.11 | 2.5 | 0.036 | 1.87 | 27.4 | 7.5 | 2.12 | 956 | 5.38 | 0.04 | 24.8 | 39.6 | 1140 |
| W233884 | | 6.75 | 9.57 | 0.18 | 2.9 | 0.040 | 1.72 | 46.5 | 6.5 | 1.61 | 1380 | 13.30 | 0.04 | 31.5 | 89.5 | 1550 |
| W233885 | | 5.53 | 11.45 | 0.16 | 3.0 | 0.041 | 2.00 | 39.5 | 7.9 | 1.36 | 878 | 10.60 | 0.04 | 35.0 | 75.0 | 1490 |
| W233886 | | 0.15 | 0.24 | 0.05 | <0.1 | <0.005 | 0.02 | 1.1 | 0.9 | 1.64 | 110 | 0.07 | 0.03 | 0.2 | 0.8 | 70 |
| W233887 | | 3.57 | 13.60 | 0.13 | 3.1 | 0.038 | 2.40 | 40.4 | 9.3 | 1.22 | 673 | 5.95 | 0.05 | 28.7 | 43.6 | 1600 |
| W233888 | | 3.21 | 13.45 | 0.14 | 3.0 | 0.044 | 2.34 | 34.3 | 9.0 | 1.35 | 856 | 4.93 | 0.05 | 28.7 | 37.7 | 1630 |
| W233889 | | 8.83 | 14.70 | 0.15 | 3.5 | 0.045 | 2.45 | 25.4 | 9.8 | 0.42 | 1980 | 5.97 | 0.05 | 22.7 | 102.5 | 1480 |
| W233890 | | 3.32 | 13.25 | 0.13 | 3.0 | 0.041 | 2.27 | 35.2 | 8.7 | 1.49 | 529 | 5.91 | 0.05 | 30.4 | 40.8 | 1710 |
| W233891 | | 2.37 | 10.30 | 0.15 | 1.6 | 0.027 | 1.53 | 13.4 | 16.9 | 0.46 | 1020 | 41.7 | 2.39 | 5.0 | 10.1 | 380 |
| W233892 | | 3.26 | 12.70 | 0.17 | 2.9 | 0.045 | 2.40 | 38.3 | 9.1 | 1.64 | 510 | 6.23 | 0.05 | 32.6 | 40.4 | 1560 |
| W233893 | | 3.21 | 13.00 | 0.19 | 2.9 | 0.047 | 2.50 | 42.1 | 8.9 | 1.70 | 424 | 4.63 | 0.05 | 31.8 | 35.7 | 1980 |
| W233894 | | 3.46 | 13.05 | 0.18 | 3.0 | 0.045 | 2.46 | 39.2 | 8.8 | 1.86 | 496 | 6.89 | 0.06 | 33.8 | 33.5 | 1550 |
| W233895 | | 17.80 | 8.91 | 0.16 | 2.2 | 0.035 | 1.35 | 17.6 | 4.4 | 0.95 | 291 | 4.59 | 0.04 | 17.6 | 57.7 | 1220 |
| W233896 | | 3.30 | 16.75 | 0.15 | 4.0 | 0.045 | 2.56 | 37.8 | 9.0 | 1.47 | 343 | 9.35 | 0.07 | 36.0 | 45.5 | 1430 |
| W233897 | | 4.24 | 14.20 | 0.14 | 3.4 | 0.041 | 2.25 | 35.0 | 7.7 | 1.76 | 426 | 11.50 | 0.06 | 33.0 | 50.7 | 1500 |
| W233898 | | 4.29 | 14.30 | 0.14 | 3.2 | 0.041 | 2.20 | 34.6 | 7.4 | 2.07 | 542 | 5.59 | 0.06 | 32.7 | 41.6 | 1570 |
| W233899 | | 4.02 | 14.20 | 0.16 | 3.1 | 0.041 | 2.18 | 35.9 | 7.0 | 2.02 | 530 | 5.51 | 0.06 | 31.8 | 39.6 | 1580 |
| W233900 | | 3.19 | 17.55 | 0.17 | 3.9 | 0.053 | 2.76 | 43.1 | 8.9 | 1.70 | 448 | 3.02 | 0.07 | 40.8 | 40.5 | 1670 |
| W233901 | | 3.67 | 15.25 | 0.16 | 3.6 | 0.042 | 2.54 | 42.8 | 7.5 | 1.81 | 480 | 4.26 | 0.06 | 35.0 | 43.1 | 2040 |
| W233902 | | 3.03 | 17.35 | 0.19 | 4.2 | 0.051 | 2.88 | 45.5 | 9.0 | 1.61 | 410 | 4.18 | 0.07 | 42.9 | 40.1 | 2000 |
| W233903 | | 2.88 | 17.60 | 0.18 | 4.3 | 0.058 | 2.99 | 43.6 | 9.4 | 1.54 | 382 | 3.80 | 0.08 | 43.8 | 35.8 | 1890 |
| W233904 | | 4.35 | 17.20 | 0.18 | 4.0 | 0.050 | 2.87 | 45.3 | 8.9 | 1.57 | 396 | 6.92 | 0.07 | 40.7 | 54.8 | 2260 |
| W233905 | | 5.70 | 15.75 | 0.17 | 4.0 | 0.052 | 2.69 | 44.9 | 8.0 | 1.72 | 462 | 8.04 | 0.07 | 41.2 | 76.1 | 2070 |
| W233906 | | 7.16 | 11.20 | 0.12 | 2.5 | 0.045 | 1.85 | 27.4 | 5.0 | 2.92 | 959 | 6.60 | 0.05 | 26.5 | 67.3 | 1360 |
| W233907 | | 4.00 | 18.65 | 0.17 | 3.1 | 0.062 | 2.99 | 52.9 | 8.0 | 2.52 | 707 | 0.91 | 0.07 | 41.6 | 29.2 | 1580 |
| W233908 | | 4.76 | 20.4 | 0.18 | 2.5 | 0.064 | 3.15 | 52.8 | 12.6 | 2.31 | 536 | 0.66 | 0.06 | 44.1 | 28.9 | 1550 |
| W233909 | | 4.82 | 21.6 | 0.20 | 2.9 | 0.076 | 3.31 | 60.6 | 14.8 | 2.24 | 506 | 0.94 | 0.06 | 54.9 | 30.7 | 1690 |
| W233910 | | 4.48 | 19.40 | 0.19 | 3.3 | 0.077 | 3.39 | 60.1 | 14.0 | 1.77 | 410 | 1.63 | 0.06 | 55.5 | 35.3 | 1870 |
| W233911 | | 6.65 | 19.25 | 0.19 | 3.3 | 0.081 | 3.23 | 61.2 | 16.1 | 1.78 | 481 | 2.60 | 0.06 | 60.3 | 57.6 | 1800 |
| W233912 | | 5.16 | 19.20 | 0.17 | 2.3 | 0.068 | 2.96 | 58.6 | 21.5 | 2.22 | 530 | 0.94 | 0.06 | 58.7 | 19.4 | 1780 |
| W233913 | | 5.66 | 21.7 | 0.21 | 3.3 | 0.078 | 3.25 | 67.1 | 16.7 | 2.08 | 461 | 1.09 | 0.06 | 60.1 | 30.9 | 1900 |
| W233914 | | 5.18 | 21.2 | 0.20 | 2.8 | 0.071 | 3.29 | 67.1 | 16.4 | 2.22 | 535 | 1.15 | 0.06 | 59.0 | 30.7 | 1740 |
| W233915 | | 2.81 | 15.80 | 0.12 | 2.2 | 0.044 | 1.57 | 15.1 | 2.5 | 0.61 | 788 | 8.02 | 3.52 | 6.8 | 8.7 | 520 |
| W233916 | | 4.96 | 21.4 | 0.18 | 3.1 | 0.073 | 3.72 | 61.5 | 17.6 | 2.11 | 415 | 1.03 | 0.07 | 58.1 | 28.0 | 1840 |
| W233917 | | 3.81 | 17.65 | 0.17 | 2.7 | 0.063 | 3.10 | 51.2 | 9.9 | 2.15 | 722 | 1.21 | 0.06 | 47.1 | 23.8 | 1580 |
| W233918 | | 3.81 | 14.20 | 0.16 | 3.1 | 0.049 | 2.63 | 41.2 | 8.1 | 1.90 | 568 | 4.92 | 0.06 | 31.7 | 47.0 | 2280 |
| W233919 | | 3.42 | 18.20 | 0.17 | 3.1 | 0.065 | 3.37 | 54.8 | 10.5 | 2.14 | 657 | 1.84 | 0.07 | 41.4 | 23.3 | 3020 |
| W233920 | | 3.22 | 15.80 | 0.16 | 2.4 | 0.060 | 3.02 | 49.2 | 8.0 | 2.38 | 862 | 0.36 | 0.06 | 40.1 | 13.6 | 1900 |

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

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227730

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233881 | | 9.9 | 85.5 | 0.020 | 2.59 | 4.84 | 11.8 | 3 | 6.2 | 77.9 | 1.87 | 0.08 | 7.78 | 0.551 | 0.77 | 6.8 |
| W233882 | | 6.9 | 72.2 | 0.014 | 1.64 | 3.35 | 10.1 | 2 | 4.9 | 96.3 | 1.39 | 0.06 | 6.56 | 0.452 | 0.62 | 5.4 |
| W233883 | | 2.2 | 64.0 | 0.006 | 1.80 | 6.56 | 13.6 | 2 | 4.2 | 105.5 | 1.20 | <0.05 | 6.93 | 0.359 | 0.52 | 4.4 |
| W233884 | | 6.6 | 56.3 | 0.009 | 4.10 | 12.30 | 10.0 | 4 | 4.1 | 92.4 | 1.44 | 0.05 | 7.35 | 0.386 | 0.57 | 5.4 |
| W233885 | | 8.1 | 68.2 | 0.009 | 3.79 | 5.09 | 10.7 | 3 | 4.8 | 80.6 | 1.65 | 0.06 | 7.82 | 0.448 | 0.61 | 5.3 |
| W233886 | | <0.5 | 0.5 | <0.002 | 0.01 | 0.13 | 0.2 | 1 | <0.2 | 83.9 | <0.05 | <0.05 | 0.07 | 0.007 | <0.02 | 0.1 |
| W233887 | | 4.8 | 81.1 | 0.011 | 2.08 | 7.54 | 12.1 | 2 | 5.1 | 68.8 | 1.53 | 0.07 | 8.82 | 0.468 | 0.70 | 5.6 |
| W233888 | | 5.0 | 81.6 | 0.011 | 1.86 | 3.79 | 11.1 | 1 | 5.7 | 79.9 | 1.56 | 0.06 | 7.58 | 0.478 | 0.60 | 4.9 |
| W233889 | | 7.2 | 86.2 | 0.007 | 7.28 | 38.1 | 11.6 | 6 | 5.8 | 28.3 | 1.21 | 0.05 | 6.89 | 0.361 | 1.21 | 7.3 |
| W233890 | | 4.7 | 78.5 | 0.013 | 1.99 | 5.30 | 11.0 | 2 | 5.3 | 92.1 | 1.55 | 0.06 | 7.37 | 0.469 | 0.69 | 5.2 |
| W233891 | | 379 | 45.0 | 0.007 | 0.45 | 35.5 | 5.4 | 2 | 1.7 | 257 | 0.35 | 0.42 | 3.03 | 0.176 | 0.60 | 1.5 |
| W233892 | | 5.2 | 88.5 | 0.008 | 1.69 | 3.72 | 10.7 | 2 | 4.9 | 102.0 | 1.57 | 0.05 | 7.42 | 0.539 | 0.56 | 4.9 |
| W233893 | | 5.3 | 93.6 | 0.009 | 1.88 | 2.48 | 10.7 | 2 | 4.8 | 110.0 | 1.52 | 0.05 | 7.25 | 0.539 | 0.56 | 7.5 |
| W233894 | | 5.1 | 93.5 | 0.012 | 1.86 | 2.42 | 10.8 | 2 | 5.1 | 119.5 | 1.72 | 0.07 | 7.51 | 0.566 | 0.58 | 6.0 |
| W233895 | | 4.6 | 55.6 | 0.007 | >10.0 | 2.51 | 6.7 | 6 | 2.6 | 65.1 | 1.00 | 0.32 | 4.77 | 0.292 | 0.41 | 5.4 |
| W233896 | | 5.2 | 106.5 | 0.014 | 1.89 | 3.25 | 12.6 | 2 | 4.1 | 105.0 | 2.03 | 0.08 | 8.78 | 0.598 | 0.72 | 8.6 |
| W233897 | | 3.9 | 90.0 | 0.012 | 2.54 | 2.61 | 10.8 | 3 | 3.5 | 118.5 | 1.79 | 0.08 | 8.03 | 0.534 | 0.55 | 7.6 |
| W233898 | | 2.4 | 88.0 | 0.009 | 2.03 | 1.60 | 10.4 | 2 | 3.3 | 135.5 | 1.68 | 0.05 | 7.49 | 0.517 | 0.53 | 6.1 |
| W233899 | | 2.3 | 89.0 | 0.009 | 1.91 | 1.52 | 10.5 | 2 | 3.3 | 136.5 | 1.69 | <0.05 | 7.76 | 0.505 | 0.50 | 6.4 |
| W233900 | | 2.1 | 111.0 | 0.006 | 1.44 | 1.37 | 14.6 | 2 | 4.0 | 121.0 | 2.15 | <0.05 | 9.18 | 0.702 | 0.63 | 6.3 |
| W233901 | | 2.1 | 98.4 | 0.009 | 1.71 | 1.32 | 12.4 | 2 | 3.8 | 129.0 | 1.90 | 0.06 | 7.98 | 0.633 | 0.57 | 5.5 |
| W233902 | | 2.2 | 112.5 | 0.010 | 1.18 | 1.30 | 14.5 | 2 | 4.6 | 123.5 | 2.35 | 0.05 | 9.32 | 0.774 | 0.63 | 6.3 |
| W233903 | | 2.1 | 116.5 | 0.008 | 1.12 | 1.34 | 15.1 | 2 | 4.6 | 115.5 | 2.36 | 0.06 | 9.44 | 0.786 | 0.66 | 6.0 |
| W233904 | | 2.9 | 109.5 | 0.012 | 2.19 | 1.39 | 14.1 | 3 | 4.2 | 123.5 | 2.13 | 0.06 | 9.02 | 0.726 | 0.63 | 7.6 |
| W233905 | | 3.8 | 101.5 | 0.012 | 2.82 | 1.50 | 12.9 | 3 | 4.1 | 138.5 | 2.23 | 0.05 | 8.70 | 0.726 | 0.60 | 7.6 |
| W233906 | | 3.9 | 74.6 | 0.008 | 3.39 | 2.03 | 9.0 | 4 | 3.1 | 186.0 | 1.42 | 0.05 | 5.77 | 0.426 | 0.44 | 4.3 |
| W233907 | | 1.9 | 118.5 | 0.002 | 1.17 | 1.11 | 11.7 | 2 | 4.2 | 193.0 | 2.11 | <0.05 | 11.95 | 0.619 | 0.66 | 3.0 |
| W233908 | | 1.5 | 124.5 | <0.002 | 0.90 | 1.10 | 12.9 | 1 | 4.3 | 139.0 | 2.24 | <0.05 | 12.40 | 0.652 | 0.74 | 2.5 |
| W233909 | | 1.9 | 130.0 | 0.002 | 0.58 | 1.25 | 13.3 | 1 | 5.4 | 97.9 | 2.77 | <0.05 | 13.05 | 0.766 | 0.83 | 2.5 |
| W233910 | | 1.9 | 127.5 | 0.003 | 0.89 | 1.44 | 12.4 | 1 | 5.7 | 69.0 | 2.77 | <0.05 | 12.85 | 0.763 | 0.87 | 3.3 |
| W233911 | | 2.2 | 132.5 | 0.003 | 2.14 | 1.46 | 12.3 | 2 | 6.5 | 71.3 | 2.98 | 0.06 | 12.85 | 0.724 | 0.92 | 3.5 |
| W233912 | | 2.4 | 108.0 | <0.002 | 0.52 | 0.86 | 11.9 | 1 | 5.8 | 84.9 | 3.04 | <0.05 | 12.20 | 0.757 | 0.67 | 2.0 |
| W233913 | | 4.2 | 122.5 | 0.002 | 1.85 | 2.98 | 13.2 | 1 | 8.5 | 85.9 | 3.09 | <0.05 | 13.95 | 0.758 | 0.98 | 2.9 |
| W233914 | | 2.3 | 131.5 | <0.002 | 0.71 | 1.04 | 13.4 | 1 | 6.8 | 114.0 | 3.00 | <0.05 | 13.65 | 0.787 | 0.93 | 2.6 |
| W233915 | | 1580 | 33.7 | 0.010 | 0.54 | 117.0 | 7.4 | 3 | 2.0 | 230 | 0.43 | 0.06 | 3.18 | 0.219 | 0.39 | 2.0 |
| W233916 | | 2.5 | 139.5 | <0.002 | 0.74 | 1.16 | 13.5 | 1 | 7.1 | 73.5 | 3.00 | <0.05 | 13.50 | 0.846 | 1.01 | 2.7 |
| W233917 | | 3.2 | 111.5 | <0.002 | 0.92 | 0.81 | 11.0 | 1 | 7.7 | 166.5 | 2.46 | <0.05 | 10.85 | 0.664 | 0.61 | 2.6 |
| W233918 | | 2.8 | 95.0 | 0.007 | 1.47 | 0.88 | 10.6 | 1 | 6.9 | 137.5 | 1.73 | <0.05 | 8.39 | 0.547 | 0.52 | 5.5 |
| W233919 | | 2.0 | 118.0 | 0.003 | 0.79 | 0.72 | 11.4 | 1 | 6.3 | 155.0 | 2.25 | <0.05 | 12.10 | 0.698 | 0.64 | 3.2 |
| W233920 | | 2.5 | 101.5 | <0.002 | 0.14 | 1.22 | 9.7 | <1 | 6.4 | 191.5 | 2.06 | <0.05 | 10.75 | 0.666 | 0.54 | 2.2 |

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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227730

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233881 | | 214 | 1.6 | 11.8 | 18 | 140.5 |
| W233882 | | 166 | 1.3 | 11.1 | 12 | 109.0 |
| W233883 | | 128 | 1.4 | 11.0 | 19 | 109.5 |
| W233884 | | 122 | 1.6 | 23.9 | 27 | 130.5 |
| W233885 | | 141 | 1.8 | 12.5 | 23 | 134.5 |
| W233886 | | 1 | 0.8 | 2.0 | 4 | 1.9 |
| W233887 | | 160 | 1.9 | 11.8 | 12 | 126.0 |
| W233888 | | 141 | 2.5 | 11.1 | 17 | 122.0 |
| W233889 | | 126 | 2.0 | 12.1 | 19 | 153.0 |
| W233890 | | 168 | 1.7 | 12.1 | 16 | 129.0 |
| W233891 | | 43 | 9.1 | 14.6 | 865 | 51.5 |
| W233892 | | 167 | 1.8 | 12.4 | 20 | 129.0 |
| W233893 | | 199 | 1.8 | 13.8 | 14 | 131.5 |
| W233894 | | 195 | 1.9 | 13.3 | 17 | 133.0 |
| W233895 | | 78 | 1.2 | 10.0 | 12 | 79.3 |
| W233896 | | 200 | 2.1 | 13.7 | 17 | 149.0 |
| W233897 | | 206 | 1.8 | 13.4 | 18 | 131.0 |
| W233898 | | 163 | 1.6 | 14.1 | 16 | 124.0 |
| W233899 | | 161 | 1.6 | 14.2 | 15 | 125.0 |
| W233900 | | 151 | 2.0 | 15.2 | 16 | 148.0 |
| W233901 | | 188 | 1.9 | 14.6 | 16 | 135.0 |
| W233902 | | 184 | 2.4 | 16.8 | 13 | 159.0 |
| W233903 | | 186 | 2.4 | 16.8 | 13 | 164.0 |
| W233904 | | 235 | 2.2 | 16.4 | 13 | 157.0 |
| W233905 | | 218 | 2.3 | 15.9 | 20 | 154.5 |
| W233906 | | 132 | 1.8 | 12.0 | 29 | 97.3 |
| W233907 | | 110 | 2.1 | 16.8 | 16 | 126.0 |
| W233908 | | 113 | 2.2 | 15.7 | 32 | 101.0 |
| W233909 | | 127 | 2.5 | 17.1 | 34 | 116.5 |
| W233910 | | 133 | 2.6 | 17.1 | 25 | 135.5 |
| W233911 | | 126 | 2.7 | 18.4 | 26 | 137.5 |
| W233912 | | 121 | 2.6 | 16.7 | 39 | 95.2 |
| W233913 | | 133 | 3.0 | 19.0 | 27 | 130.0 |
| W233914 | | 130 | 2.9 | 19.4 | 31 | 110.5 |
| W233915 | | 56 | 23.0 | 19.2 | 2910 | 67.9 |
| W233916 | | 140 | 3.3 | 18.0 | 31 | 126.0 |
| W233917 | | 115 | 3.3 | 16.1 | 19 | 103.5 |
| W233918 | | 167 | 2.7 | 16.0 | 17 | 122.0 |
| W233919 | | 137 | 2.8 | 20.1 | 17 | 119.0 |
| W233920 | | 105 | 2.4 | 16.6 | 42 | 99.5 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 21-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227730

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | |
|---|---|---|---|
| Au-AA26 | ME-MS61 | | |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-JAN-2021**
**Account: RCM**

# CERTIFICATE WH20303192

Project: RCM_WH20227730

This report is for 20 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-DEC-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| FND-02 | Find Sample for Addn Analysis |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 5-JAN-2021**
**Account: RCM**

Project: RCM_WH20227730

# CERTIFICATE OF ANALYSIS WH20303192

| Sample Description | Method Analyte Units LOD | Au-AA26 Au ppm 0.01 |
|---|---|---|
| W233881 | | 0.06 |
| W233882 | | 0.05 |
| W233883 | | 0.02 |
| W233884 | | 0.06 |
| W233885 | | 0.07 |
| W233886 | | <0.01 |
| W233887 | | 0.08 |
| W233888 | | 0.08 |
| W233889 | | 0.15 |
| W233890 | | 0.11 |
| W233891 | | 0.78 |
| W233892 | | 0.13 |
| W233893 | | 0.12 |
| W233894 | | 0.15 |
| W233895 | | 0.16 |
| W233896 | | 0.08 |
| W233897 | | 0.08 |
| W233898 | | 0.01 |
| W233899 | | 0.01 |
| W233900 | | 0.01 |

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

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Project: RCM_WH20227730

**Page: Appendix 1**
**Total # Appendix Pages: 1**
**Finalized Date: 5-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20303192

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA26 FND-02

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227714

Project: Rau

P.O. No.: R20-D47

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227714

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R614081 | | 4.76 | 0.02 | 0.20 | 3.37 | 64.7 | 700 | 1.14 | 1.65 | 9.55 | 0.10 | 54.3 | 13.2 | 70 | 3.16 | 31.8 |
| R614082 | | 5.81 | 0.02 | 0.06 | 4.43 | 33.7 | 710 | 1.43 | 2.47 | 4.69 | 0.10 | 51.5 | 11.6 | 68 | 3.23 | 26.3 |
| R614083 | | 12.52 | 0.08 | 0.08 | 5.52 | 52.3 | 350 | 1.84 | 6.00 | 5.52 | 0.09 | 72.6 | 27.7 | 100 | 4.06 | 40.5 |
| R614084 | | 12.81 | 0.07 | 0.08 | 4.81 | 48.1 | 530 | 1.56 | 4.79 | 6.61 | 0.15 | 64.9 | 19.8 | 90 | 3.50 | 31.8 |
| R614085 | | 11.17 | 0.02 | 0.06 | 5.40 | 51.0 | 930 | 1.56 | 1.47 | 4.98 | 0.12 | 69.1 | 16.8 | 91 | 3.90 | 51.5 |
| R614086 | | 12.61 | 0.01 | 0.07 | 5.73 | 7.4 | 1010 | 1.86 | 0.84 | 4.49 | 0.09 | 87.8 | 15.6 | 84 | 4.52 | 70.1 |
| R614087 | | 12.22 | 0.01 | 0.12 | 6.17 | 67.6 | 1270 | 1.91 | 0.74 | 4.64 | 0.10 | 91.6 | 13.3 | 71 | 4.64 | 50.9 |
| R614088 | | 0.44 | 0.13 | 0.21 | 3.85 | 9550 | 30 | 1.06 | 3.15 | 3.99 | 0.07 | 60.1 | 215 | 32 | 2.52 | 323 |
| R614089 | | 0.16 | 0.82 | 74.7 | 5.56 | 152.5 | 1960 | 1.51 | 1.40 | 4.21 | 4.87 | 23.8 | 4.5 | 20 | 1.20 | 497 |
| R614090 | | 12.33 | 0.01 | 0.03 | 6.45 | 173.5 | 1300 | 1.90 | 0.59 | 4.37 | 0.04 | 96.4 | 14.4 | 56 | 5.09 | 27.0 |
| R614091 | | 11.44 | 0.05 | 0.02 | 6.72 | 17.2 | 1250 | 1.93 | 0.49 | 2.79 | 0.02 | 98.7 | 8.7 | 55 | 5.18 | 22.7 |
| R614092 | | 11.20 | 0.08 | 0.01 | 6.49 | 369 | 1290 | 2.04 | 0.63 | 3.69 | 0.13 | 96.5 | 27.0 | 53 | 5.40 | 19.7 |
| R614093 | | 0.36 | 0.20 | 0.03 | 3.54 | 284 | 690 | 1.15 | 0.27 | 3.78 | 0.07 | 59.6 | 19.5 | 31 | 2.50 | 52.1 |
| R614094 | | 4.78 | 0.07 | 0.05 | 7.66 | 119.5 | 1530 | 2.52 | 2.04 | 2.50 | 0.02 | 119.5 | 6.4 | 54 | 5.62 | 33.4 |
| R614095 | | 3.14 | 0.66 | 0.18 | 1.77 | 2340 | 130 | 0.56 | 5.65 | 1.27 | 0.03 | 26.8 | 83.6 | 21 | 1.39 | 62.2 |
| R614096 | | 7.60 | 0.67 | 0.12 | 2.30 | 1935 | 60 | 0.70 | 6.23 | 5.07 | 0.03 | 42.4 | 56.2 | 21 | 1.52 | 25.1 |
| R614097 | | <0.02 | 0.60 | 0.13 | 2.28 | 2160 | 70 | 0.64 | 6.27 | 4.87 | 0.04 | 41.2 | 56.9 | 23 | 1.50 | 25.6 |
| R614098 | | 6.81 | 0.03 | 0.04 | 7.89 | 735 | 1370 | 2.48 | 3.15 | 2.23 | 0.02 | 113.5 | 18.8 | 64 | 5.58 | 27.3 |
| R614099 | | 5.14 | 0.04 | 0.13 | 7.02 | 916 | 390 | 2.50 | 6.69 | 2.32 | 0.02 | 99.8 | 25.5 | 59 | 4.79 | 13.1 |
| R614100 | | 1.38 | 0.23 | 0.12 | 2.24 | 817 | 70 | 0.94 | 6.09 | 2.21 | 0.04 | 29.9 | 36.7 | 24 | 1.54 | 98.5 |
| R614101 | | 3.94 | 0.02 | <0.01 | 10.35 | 832 | 1990 | 4.37 | 0.92 | 1.35 | 0.03 | 176.0 | 13.3 | 96 | 7.97 | 1.8 |
| R614102 | | 2.62 | 1.64 | 0.22 | 3.07 | 2690 | 50 | 1.15 | 30.9 | 1.25 | 0.04 | 41.3 | 40.2 | 36 | 1.82 | 29.7 |
| R614103 | | 2.57 | 1.95 | 0.26 | 3.54 | 9800 | 50 | 1.30 | 102.5 | 2.07 | <0.02 | 70.5 | 93.9 | 43 | 1.71 | 36.1 |
| R614104 | | 2.03 | <0.01 | <0.01 | 0.19 | 11.9 | 20 | 0.11 | 0.11 | 36.0 | <0.02 | 1.10 | 0.7 | 2 | <0.05 | 1.1 |
| R614105 | | 2.42 | 0.03 | 0.15 | 8.84 | 666 | 980 | 3.20 | 5.77 | 2.74 | <0.02 | 126.5 | 20.9 | 80 | 6.12 | 6.8 |
| R614106 | | 1.04 | 0.12 | 0.10 | 5.60 | 298 | 220 | 1.98 | 6.29 | 3.15 | <0.02 | 77.0 | 29.5 | 57 | 3.99 | 8.7 |
| R614107 | | 4.41 | 0.20 | 0.09 | 7.60 | 409 | 170 | 2.48 | 5.81 | 2.76 | <0.02 | 90.6 | 26.8 | 63 | 5.15 | 5.2 |
| R614108 | | 0.37 | 0.13 | 0.02 | 0.64 | 279 | 120 | 0.25 | 0.20 | 2.92 | 0.03 | 5.62 | 5.0 | 14 | 0.48 | 1.9 |
| R614109 | | 1.37 | 0.20 | 0.11 | 7.86 | 445 | 90 | 2.84 | 7.12 | 3.13 | <0.02 | 101.5 | 33.8 | 66 | 5.28 | 7.8 |
| R614110 | | 0.43 | 0.10 | 0.29 | 5.47 | 1200 | 250 | 1.85 | 4.62 | 3.63 | <0.02 | 66.2 | 63.1 | 47 | 3.59 | 10.4 |
| R614111 | | 0.42 | 0.12 | 0.07 | 5.47 | 1810 | 80 | 1.91 | 6.01 | 3.50 | <0.02 | 61.1 | 108.0 | 48 | 3.75 | 7.6 |
| R614112 | | 4.60 | 0.03 | 0.07 | 8.61 | 220 | 970 | 3.10 | 3.27 | 2.63 | <0.02 | 123.0 | 10.9 | 85 | 6.14 | 4.5 |
| R614113 | | 1.22 | 0.33 | 0.05 | 3.50 | 925 | 670 | 1.29 | 7.34 | 2.27 | 0.02 | 46.4 | 8.4 | 49 | 2.51 | 7.4 |
| R614114 | | 2.63 | 0.88 | 0.18 | 8.81 | 2250 | 400 | 3.36 | 4.64 | 2.44 | <0.02 | 144.0 | 23.4 | 88 | 6.12 | 6.5 |
| R614115 | | 3.05 | 0.46 | 0.13 | 2.90 | 673 | 50 | 1.01 | 8.81 | 2.31 | <0.02 | 48.7 | 10.1 | 49 | 1.88 | 4.4 |
| R614116 | | 7.66 | 0.06 | 0.10 | 7.94 | 292 | 610 | 2.79 | 3.56 | 3.06 | <0.02 | 132.0 | 20.7 | 102 | 4.89 | 2.2 |
| R614117 | | 3.48 | 0.12 | 0.06 | 5.52 | 309 | 260 | 1.95 | 9.37 | 4.37 | <0.02 | 71.5 | 29.3 | 69 | 3.44 | 8.2 |
| R614118 | | 0.16 | 1.34 | 75.2 | 7.04 | 29.8 | 4240 | 1.01 | 0.13 | 1.84 | 14.05 | 26.1 | 5.0 | 17 | 0.37 | 213 |
| R614119 | | 10.28 | 0.14 | 0.09 | 6.99 | 604 | 340 | 2.88 | 3.50 | 2.82 | <0.02 | 104.0 | 20.3 | 76 | 4.77 | 4.2 |
| R614120 | | 1.74 | 0.23 | 0.09 | 5.80 | 589 | 290 | 2.02 | 3.49 | 4.25 | <0.02 | 86.5 | 35.6 | 78 | 3.79 | 6.0 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227714

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R614081 | | 4.43 | 9.14 | 0.11 | 1.6 | 0.029 | 1.67 | 30.3 | 3.5 | 1.93 | 695 | 5.53 | 0.03 | 16.9 | 32.0 | 2420 |
| R614082 | | 3.65 | 12.70 | 0.10 | 2.2 | 0.033 | 2.24 | 28.2 | 4.8 | 1.88 | 589 | 7.19 | 0.04 | 21.8 | 34.2 | 2200 |
| R614083 | | 5.87 | 14.95 | 0.14 | 2.6 | 0.036 | 2.78 | 39.4 | 6.2 | 2.23 | 800 | 9.94 | 0.05 | 27.3 | 74.8 | 2070 |
| R614084 | | 5.22 | 12.75 | 0.13 | 2.4 | 0.038 | 2.43 | 35.2 | 6.0 | 2.65 | 908 | 8.10 | 0.04 | 24.5 | 56.1 | 1920 |
| R614085 | | 5.15 | 14.50 | 0.13 | 2.5 | 0.041 | 2.73 | 37.6 | 7.0 | 2.02 | 625 | 5.71 | 0.05 | 27.4 | 51.3 | 1840 |
| R614086 | | 4.94 | 16.40 | 0.15 | 2.5 | 0.046 | 2.95 | 46.9 | 7.9 | 1.83 | 515 | 5.61 | 0.05 | 31.1 | 40.1 | 2270 |
| R614087 | | 4.42 | 17.80 | 0.16 | 2.6 | 0.050 | 3.14 | 50.7 | 9.3 | 2.02 | 633 | 6.00 | 0.05 | 34.5 | 35.9 | 2740 |
| R614088 | | 17.25 | 10.65 | 0.14 | 0.9 | 0.030 | 1.90 | 34.9 | 5.2 | 1.71 | 651 | 0.61 | 0.04 | 14.9 | 79.2 | 1230 |
| R614089 | | 2.34 | 11.45 | 0.10 | 1.4 | 0.029 | 1.51 | 11.3 | 15.2 | 0.44 | 986 | 40.2 | 2.34 | 4.9 | 10.7 | 360 |
| R614090 | | 4.15 | 18.20 | 0.19 | 2.3 | 0.056 | 3.32 | 52.5 | 9.3 | 2.05 | 624 | 1.94 | 0.06 | 40.9 | 28.4 | 1670 |
| R614091 | | 4.31 | 19.90 | 0.16 | 2.1 | 0.067 | 3.24 | 54.4 | 14.7 | 1.97 | 646 | 1.22 | 0.05 | 42.5 | 24.8 | 1600 |
| R614092 | | 3.29 | 19.30 | 0.15 | 2.5 | 0.066 | 3.41 | 53.0 | 11.1 | 1.97 | 842 | 1.95 | 0.06 | 43.9 | 26.2 | 1610 |
| R614093 | | 3.83 | 10.50 | 0.12 | 1.6 | 0.037 | 1.82 | 32.8 | 5.8 | 1.78 | 947 | 1.13 | 0.03 | 25.5 | 19.4 | 970 |
| R614094 | | 2.60 | 24.4 | 0.20 | 3.6 | 0.079 | 3.94 | 66.6 | 13.2 | 1.43 | 532 | 4.40 | 0.08 | 55.5 | 22.9 | 2080 |
| R614095 | | 32.0 | 5.13 | 0.18 | 0.9 | 0.038 | 0.83 | 14.1 | 3.5 | 0.61 | 407 | 1.81 | 0.02 | 9.6 | 134.0 | 370 |
| R614096 | | 24.5 | 6.96 | 0.16 | 1.0 | 0.034 | 1.04 | 23.1 | 4.6 | 2.65 | 1320 | 0.31 | 0.04 | 6.9 | 97.8 | 490 |
| R614097 | | 24.2 | 7.01 | 0.17 | 1.0 | 0.047 | 1.02 | 22.9 | 4.4 | 2.55 | 1280 | 0.45 | 0.04 | 7.3 | 99.6 | 480 |
| R614098 | | 2.75 | 22.0 | 0.19 | 3.8 | 0.068 | 3.85 | 61.1 | 14.6 | 1.42 | 463 | 3.07 | 0.07 | 32.2 | 25.5 | 1770 |
| R614099 | | 4.78 | 18.55 | 0.18 | 3.4 | 0.049 | 3.50 | 53.3 | 14.4 | 1.47 | 504 | 10.55 | 0.07 | 26.1 | 56.8 | 1720 |
| R614100 | | 14.20 | 6.28 | 0.12 | 0.8 | 0.026 | 1.06 | 16.0 | 5.5 | 1.08 | 605 | 0.49 | 0.03 | 4.7 | 117.5 | 570 |
| R614101 | | 1.59 | 31.8 | 0.24 | 4.8 | 0.093 | 5.47 | 93.7 | 22.9 | 1.34 | 278 | 4.23 | 0.14 | 51.4 | 16.0 | 2320 |
| R614102 | | 11.70 | 8.93 | 0.12 | 1.4 | 0.041 | 1.30 | 21.8 | 6.1 | 0.75 | 410 | 4.07 | 0.07 | 7.3 | 59.4 | 1540 |
| R614103 | | 16.40 | 10.70 | 0.15 | 1.9 | 0.051 | 1.21 | 36.8 | 6.6 | 1.37 | 687 | 8.05 | 0.12 | 12.2 | 118.0 | 1510 |
| R614104 | | 0.21 | 0.53 | 0.08 | 0.1 | <0.005 | 0.08 | 1.1 | 1.1 | 1.33 | 101 | 0.06 | 0.08 | 0.3 | 0.7 | 70 |
| R614105 | | 4.46 | 24.0 | 0.23 | 4.2 | 0.065 | 4.45 | 69.2 | 19.0 | 1.68 | 500 | 8.75 | 0.09 | 38.6 | 64.8 | 3360 |
| R614106 | | 5.30 | 15.70 | 0.14 | 2.4 | 0.054 | 2.90 | 41.5 | 12.2 | 1.38 | 635 | 2.65 | 0.04 | 21.0 | 46.2 | 1690 |
| R614107 | | 5.24 | 20.4 | 0.17 | 3.6 | 0.052 | 3.92 | 46.3 | 13.6 | 1.51 | 568 | 3.74 | 0.06 | 29.7 | 58.8 | 1970 |
| R614108 | | 1.73 | 1.71 | 0.05 | 0.2 | 0.026 | 0.32 | 3.0 | 1.4 | 0.53 | 545 | 0.43 | 0.01 | 1.7 | 8.5 | 300 |
| R614109 | | 6.18 | 21.9 | 0.17 | 3.9 | 0.065 | 4.06 | 51.0 | 15.1 | 1.68 | 691 | 4.64 | 0.06 | 32.4 | 72.8 | 2070 |
| R614110 | | 4.97 | 15.45 | 0.15 | 2.6 | 0.044 | 2.82 | 34.9 | 10.3 | 1.63 | 794 | 3.44 | 0.04 | 23.9 | 66.3 | 1610 |
| R614111 | | 5.98 | 15.95 | 0.17 | 2.4 | 0.054 | 2.81 | 31.3 | 11.1 | 1.59 | 793 | 3.13 | 0.04 | 22.3 | 69.8 | 1480 |
| R614112 | | 2.92 | 24.4 | 0.19 | 4.1 | 0.090 | 4.44 | 65.7 | 16.3 | 1.55 | 581 | 4.02 | 0.07 | 33.5 | 52.2 | 2720 |
| R614113 | | 3.63 | 10.30 | 0.12 | 1.4 | 0.040 | 1.75 | 25.7 | 8.2 | 1.18 | 710 | 1.85 | 0.04 | 10.7 | 30.9 | 880 |
| R614114 | | 3.96 | 26.4 | 0.22 | 4.2 | 0.082 | 4.48 | 76.7 | 21.6 | 1.64 | 490 | 2.86 | 0.08 | 41.4 | 72.9 | 1850 |
| R614115 | | 8.06 | 8.51 | 0.11 | 1.0 | 0.030 | 1.39 | 24.5 | 7.2 | 1.03 | 609 | 0.72 | 0.04 | 11.0 | 22.2 | 770 |
| R614116 | | 3.31 | 22.5 | 0.21 | 3.5 | 0.054 | 4.09 | 66.8 | 19.1 | 1.68 | 553 | 1.82 | 0.07 | 38.1 | 49.9 | 2370 |
| R614117 | | 4.78 | 16.10 | 0.14 | 2.3 | 0.049 | 2.81 | 36.7 | 13.1 | 1.67 | 888 | 2.49 | 0.04 | 23.1 | 73.4 | 1220 |
| R614118 | | 2.58 | 13.30 | 0.08 | 1.7 | 0.037 | 1.51 | 14.3 | 2.3 | 0.54 | 703 | 6.58 | 3.32 | 5.4 | 8.1 | 460 |
| R614119 | | 3.52 | 21.4 | 0.17 | 2.9 | 0.054 | 3.68 | 54.1 | 17.9 | 1.48 | 533 | 2.32 | 0.05 | 31.2 | 61.5 | 1870 |
| R614120 | | 4.16 | 16.70 | 0.18 | 2.4 | 0.044 | 2.99 | 46.0 | 14.5 | 2.11 | 920 | 4.42 | 0.05 | 27.7 | 47.5 | 2680 |

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

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**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227714

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R614081 | | 5.5 | 73.1 | 0.010 | 1.91 | 0.95 | 8.1 | 2 | 3.6 | 128.5 | 0.82 | <0.05 | 5.14 | 0.285 | 0.40 | 11.5 |
| R614082 | | 5.6 | 98.1 | 0.013 | 1.22 | 0.90 | 11.0 | 2 | 3.8 | 96.2 | 1.08 | 0.05 | 6.00 | 0.361 | 0.47 | 6.0 |
| R614083 | | 5.5 | 118.0 | 0.013 | 2.33 | 1.31 | 13.8 | 3 | 4.6 | 113.0 | 1.33 | 0.07 | 7.42 | 0.436 | 0.53 | 7.8 |
| R614084 | | 6.3 | 99.9 | 0.010 | 1.49 | 1.03 | 12.2 | 2 | 3.8 | 135.5 | 1.23 | 0.08 | 6.83 | 0.405 | 0.46 | 5.2 |
| R614085 | | 3.6 | 112.5 | 0.008 | 1.51 | 0.84 | 13.1 | 2 | 4.4 | 106.5 | 1.35 | 0.09 | 7.32 | 0.457 | 0.46 | 4.3 |
| R614086 | | 2.8 | 127.0 | 0.004 | 1.40 | 0.76 | 13.7 | 2 | 4.5 | 125.5 | 1.50 | 0.06 | 9.08 | 0.505 | 0.51 | 3.9 |
| R614087 | | 3.0 | 136.5 | 0.006 | 1.08 | 0.68 | 13.8 | 1 | 5.3 | 144.0 | 1.67 | <0.05 | 10.00 | 0.546 | 0.54 | 4.0 |
| R614088 | | 5.0 | 76.3 | <0.002 | 9.18 | 2.98 | 7.7 | 4 | 3.9 | 98.2 | 0.73 | 0.92 | 5.77 | 0.240 | 0.36 | 1.3 |
| R614089 | | 381 | 47.0 | 0.007 | 0.44 | 40.0 | 5.8 | 1 | 1.8 | 243 | 0.35 | 0.37 | 3.23 | 0.160 | 0.65 | 1.4 |
| R614090 | | 2.2 | 137.5 | 0.003 | 0.84 | 0.58 | 12.9 | <1 | 7.6 | 138.0 | 1.97 | <0.05 | 10.85 | 0.586 | 0.52 | 2.7 |
| R614091 | | 2.7 | 138.0 | 0.002 | 0.73 | 0.58 | 15.6 | 1 | 10.4 | 93.6 | 2.04 | <0.05 | 11.00 | 0.572 | 0.53 | 2.1 |
| R614092 | | 2.2 | 147.5 | 0.002 | 0.59 | 0.73 | 13.7 | 1 | 15.6 | 111.5 | 2.09 | 0.05 | 10.55 | 0.606 | 0.58 | 2.6 |
| R614093 | | 1.9 | 74.3 | <0.002 | 1.37 | 0.45 | 7.7 | 2 | 9.3 | 98.1 | 1.19 | <0.05 | 6.21 | 0.318 | 0.30 | 1.7 |
| R614094 | | 2.3 | 172.0 | 0.004 | 0.97 | 0.89 | 20.5 | 1 | 21.5 | 79.7 | 2.65 | <0.05 | 12.45 | 0.784 | 0.66 | 3.9 |
| R614095 | | 4.0 | 35.3 | 0.003 | >10.0 | 1.11 | 4.4 | 11 | 4.1 | 17.6 | 0.49 | 0.19 | 2.80 | 0.156 | 0.17 | 1.3 |
| R614096 | | 3.7 | 47.1 | 0.002 | >10.0 | 1.24 | 8.4 | 8 | 11.7 | 50.7 | 0.39 | 0.24 | 3.74 | 0.148 | 0.24 | 1.0 |
| R614097 | | 3.8 | 46.9 | 0.002 | >10.0 | 1.20 | 8.1 | 8 | 11.9 | 48.9 | 0.37 | 0.22 | 3.77 | 0.149 | 0.21 | 1.1 |
| R614098 | | 2.6 | 158.5 | 0.009 | 1.64 | 0.90 | 16.7 | 1 | 21.9 | 54.5 | 1.60 | 0.08 | 12.60 | 0.643 | 0.70 | 4.9 |
| R614099 | | 3.8 | 138.5 | 0.014 | 2.78 | 1.67 | 17.5 | 3 | 20.1 | 44.2 | 1.29 | 0.15 | 10.70 | 0.540 | 0.67 | 7.0 |
| R614100 | | 1.7 | 44.6 | <0.002 | 6.46 | 1.48 | 5.0 | 7 | 9.0 | 26.9 | 0.25 | 0.12 | 2.75 | 0.099 | 0.20 | 2.5 |
| R614101 | | 1.6 | 214 | 0.009 | 0.41 | 1.97 | 28.0 | 1 | 38.2 | 48.4 | 2.60 | 0.05 | 19.90 | 0.964 | 0.98 | 5.8 |
| R614102 | | 1.8 | 52.0 | 0.007 | 6.03 | 1.58 | 7.9 | 5 | 14.5 | 29.7 | 0.37 | 0.22 | 3.75 | 0.173 | 0.24 | 2.1 |
| R614103 | | 5.1 | 48.3 | 0.010 | 8.87 | 4.35 | 9.6 | 7 | 15.5 | 34.6 | 0.60 | 0.97 | 5.94 | 0.264 | 0.26 | 3.8 |
| R614104 | | 0.6 | 2.5 | <0.002 | 0.02 | 0.08 | 0.2 | 1 | 0.2 | 83.7 | <0.05 | <0.05 | 0.12 | 0.006 | 0.03 | 0.3 |
| R614105 | | 3.0 | 170.5 | 0.021 | 1.99 | 2.04 | 24.2 | 2 | 34.5 | 46.7 | 1.84 | 0.13 | 12.90 | 0.828 | 0.79 | 8.0 |
| R614106 | | 1.5 | 117.5 | 0.012 | 4.25 | 1.50 | 14.2 | 4 | 19.7 | 39.6 | 0.98 | 0.11 | 7.23 | 0.436 | 0.51 | 4.0 |
| R614107 | | 2.4 | 151.5 | 0.014 | 4.22 | 1.19 | 20.6 | 3 | 21.1 | 44.9 | 1.47 | 0.12 | 9.83 | 0.653 | 0.66 | 5.8 |
| R614108 | | 0.9 | 11.5 | 0.002 | 0.20 | 0.47 | 1.6 | <1 | 2.1 | 25.1 | 0.08 | <0.05 | 0.66 | 0.044 | 0.06 | 0.5 |
| R614109 | | 2.3 | 159.5 | 0.016 | 5.06 | 1.76 | 22.3 | 4 | 22.6 | 51.2 | 1.55 | 0.17 | 9.86 | 0.682 | 0.72 | 6.0 |
| R614110 | | 2.1 | 114.0 | 0.008 | 3.61 | 1.36 | 14.0 | 5 | 16.6 | 54.0 | 1.12 | 0.16 | 6.61 | 0.488 | 0.50 | 4.2 |
| R614111 | | 1.8 | 116.0 | 0.007 | 4.73 | 1.26 | 14.6 | 5 | 17.4 | 51.0 | 1.00 | 0.20 | 6.07 | 0.435 | 0.50 | 4.4 |
| R614112 | | 2.1 | 175.5 | 0.024 | 1.66 | 0.91 | 23.1 | 2 | 31.4 | 54.8 | 1.64 | 0.06 | 12.85 | 0.666 | 0.76 | 5.9 |
| R614113 | | 1.5 | 72.4 | 0.010 | 1.48 | 1.06 | 8.4 | 2 | 14.3 | 33.9 | 0.56 | 0.09 | 4.79 | 0.239 | 0.31 | 2.1 |
| R614114 | | 3.2 | 184.0 | 0.017 | 2.49 | 2.42 | 21.5 | 3 | 30.1 | 48.9 | 1.79 | 0.24 | 17.80 | 0.661 | 0.81 | 5.1 |
| R614115 | | 1.9 | 57.3 | 0.002 | 7.24 | 0.97 | 6.6 | 2 | 11.2 | 27.3 | 0.55 | 0.10 | 4.33 | 0.263 | 0.27 | 1.4 |
| R614116 | | 2.6 | 149.0 | 0.006 | 2.18 | 1.63 | 19.0 | 2 | 26.4 | 48.5 | 1.99 | 0.09 | 11.90 | 0.956 | 0.72 | 3.8 |
| R614117 | | 2.4 | 111.5 | 0.004 | 3.24 | 1.28 | 12.3 | 3 | 21.7 | 50.2 | 1.16 | 0.10 | 7.23 | 0.569 | 0.52 | 2.5 |
| R614118 | | 1460 | 31.4 | 0.014 | 0.50 | 110.0 | 7.5 | 3 | 1.7 | 206 | 0.35 | 0.05 | 2.61 | 0.186 | 0.34 | 1.5 |
| R614119 | | 3.3 | 148.0 | 0.007 | 2.35 | 1.50 | 18.7 | 3 | 25.3 | 47.6 | 1.46 | 0.10 | 10.45 | 0.648 | 0.68 | 3.7 |
| R614120 | | 1.9 | 116.5 | 0.007 | 2.70 | 1.14 | 14.3 | 2 | 23.1 | 47.1 | 1.41 | 0.07 | 8.18 | 0.482 | 0.46 | 3.2 |

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

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

Project: Rau


**Finalized Date: 27-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227714

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R614081 | | 153 | 1.3 | 10.3 | 21 | 83.3 |
| R614082 | | 171 | 1.1 | 11.2 | 17 | 103.5 |
| R614083 | | 173 | 1.2 | 14.7 | 15 | 123.5 |
| R614084 | | 138 | 1.0 | 14.1 | 24 | 107.5 |
| R614085 | | 150 | 1.3 | 14.4 | 24 | 114.0 |
| R614086 | | 125 | 1.3 | 17.7 | 19 | 117.0 |
| R614087 | | 140 | 1.7 | 19.3 | 19 | 120.5 |
| R614088 | | 59 | 1.0 | 10.3 | 16 | 42.9 |
| R614089 | | 41 | 9.6 | 14.5 | 853 | 50.5 |
| R614090 | | 114 | 1.8 | 16.3 | 20 | 109.0 |
| R614091 | | 115 | 2.4 | 16.5 | 22 | 95.3 |
| R614092 | | 120 | 3.1 | 14.9 | 26 | 121.0 |
| R614093 | | 66 | 2.0 | 9.9 | 16 | 75.2 |
| R614094 | | 162 | 5.1 | 18.8 | 9 | 166.0 |
| R614095 | | 40 | 1.1 | 6.4 | 2 | 37.2 |
| R614096 | | 47 | 2.0 | 14.1 | 5 | 39.2 |
| R614097 | | 46 | 2.0 | 14.0 | 5 | 39.3 |
| R614098 | | 196 | 5.2 | 17.3 | 8 | 163.0 |
| R614099 | | 273 | 5.2 | 16.5 | 9 | 153.5 |
| R614100 | | 48 | 2.0 | 6.7 | 4 | 37.2 |
| R614101 | | 294 | 9.3 | 23.5 | 10 | 212 |
| R614102 | | 105 | 3.6 | 7.8 | 11 | 61.2 |
| R614103 | | 150 | 4.9 | 10.9 | 7 | 84.6 |
| R614104 | | 1 | 0.1 | 2.3 | 3 | 2.1 |
| R614105 | | 391 | 8.4 | 22.1 | 7 | 195.0 |
| R614106 | | 217 | 4.6 | 15.0 | 9 | 109.0 |
| R614107 | | 286 | 5.7 | 19.0 | 8 | 155.0 |
| R614108 | | 22 | 0.5 | 4.0 | 4 | 9.8 |
| R614109 | | 305 | 6.7 | 20.4 | 7 | 169.0 |
| R614110 | | 211 | 5.1 | 15.3 | 10 | 110.5 |
| R614111 | | 201 | 4.7 | 15.1 | 10 | 108.5 |
| R614112 | | 322 | 7.2 | 20.0 | 7 | 175.5 |
| R614113 | | 130 | 3.1 | 7.4 | 7 | 61.4 |
| R614114 | | 228 | 7.4 | 20.8 | 7 | 191.5 |
| R614115 | | 58 | 3.1 | 7.2 | 7 | 47.1 |
| R614116 | | 188 | 9.3 | 19.7 | 7 | 149.5 |
| R614117 | | 137 | 6.7 | 14.5 | 7 | 102.0 |
| R614118 | | 50 | 16.0 | 17.3 | 2650 | 59.5 |
| R614119 | | 191 | 7.2 | 17.0 | 11 | 130.0 |
| R614120 | | 131 | 5.8 | 16.4 | 9 | 106.0 |

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

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 27-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227714

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 19-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20228431

Project: Rau

P.O. No.: R20-D48

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**



Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 19-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228431

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233921 | | 6.39 | <0.01 | 0.15 | 4.98 | 7.2 | 700 | 1.72 | 1.03 | 5.21 | 0.20 | 77.2 | 16.5 | 50 | 3.36 | 81.4 |
| W233922 | | 5.36 | <0.01 | 0.19 | 6.18 | 10.4 | 800 | 2.13 | 1.02 | 5.43 | 0.08 | 94.0 | 17.9 | 66 | 4.39 | 69.1 |
| W233923 | | 1.79 | 0.01 | 0.08 | 7.80 | 16.7 | 770 | 2.66 | 0.85 | 2.67 | 0.03 | 111.0 | 17.5 | 108 | 5.59 | 47.9 |
| W233924 | | 2.24 | 0.01 | 0.14 | 6.56 | 22.1 | 230 | 2.38 | 1.85 | 2.89 | 0.10 | 104.0 | 31.5 | 96 | 4.63 | 131.5 |
| W233925 | | 0.16 | 1.38 | 68.8 | 7.02 | 31.9 | 4230 | 1.07 | 0.14 | 1.88 | 15.70 | 28.4 | 5.2 | 18 | 0.44 | 220 |
| W233926 | | 2.41 | 0.01 | 0.09 | 6.15 | 7.0 | 850 | 2.10 | 0.40 | 4.71 | 0.09 | 82.5 | 13.2 | 62 | 4.20 | 47.2 |
| W233927 | | 2.12 | 0.88 | 0.07 | 3.45 | 7.8 | 780 | 1.40 | 0.09 | 4.71 | 0.15 | 51.0 | 12.1 | 43 | 2.47 | 40.0 |
| W233928 | | 2.06 | <0.01 | 0.01 | 0.07 | 0.5 | 20 | 0.05 | 0.02 | 32.6 | <0.02 | 0.98 | 0.5 | 2 | <0.05 | 2.1 |
| W233929 | | 9.52 | <0.01 | 0.05 | 6.11 | 4.6 | 1380 | 1.98 | 0.19 | 5.32 | 0.05 | 98.9 | 6.0 | 56 | 4.03 | 19.4 |
| W233930 | | 3.38 | <0.01 | 0.06 | 6.62 | 2.9 | 1450 | 1.98 | 0.11 | 4.56 | 0.07 | 101.0 | 4.9 | 56 | 4.42 | 11.2 |
| W233931 | | 2.89 | 0.01 | 0.09 | 6.81 | 7.1 | 1450 | 2.12 | 0.24 | 5.16 | 0.05 | 103.5 | 10.1 | 57 | 4.41 | 41.3 |
| W233932 | | 2.90 | <0.01 | 0.05 | 1.97 | 6.0 | 410 | 0.62 | 0.23 | 3.30 | 0.16 | 22.8 | 10.1 | 27 | 1.40 | 42.1 |
| W233933 | | 0.84 | <0.01 | 0.08 | 6.45 | 12.9 | 1340 | 2.02 | 0.25 | 4.35 | 0.06 | 101.5 | 14.1 | 62 | 4.20 | 36.9 |
| W233934 | | 8.63 | <0.01 | 0.07 | 6.83 | 24.1 | 1380 | 2.10 | 0.21 | 3.40 | 0.09 | 108.5 | 14.8 | 59 | 6.59 | 31.7 |
| W233935 | | 5.52 | <0.01 | 0.06 | 6.24 | 12.9 | 1350 | 2.03 | 0.22 | 4.17 | 0.06 | 100.5 | 8.7 | 53 | 5.18 | 16.8 |
| W233936 | | 4.54 | <0.01 | 0.06 | 6.48 | 12.5 | 1400 | 2.00 | 0.24 | 4.19 | 0.05 | 103.5 | 8.8 | 56 | 5.77 | 15.1 |
| W233937 | | 2.71 | <0.01 | 0.07 | 3.88 | 6.0 | 860 | 1.22 | 0.34 | 6.44 | 0.15 | 69.0 | 6.9 | 43 | 2.57 | 24.5 |
| W233938 | | 3.06 | <0.01 | 0.08 | 3.98 | 34.9 | 760 | 1.26 | 0.87 | 5.82 | 0.10 | 57.4 | 16.3 | 87 | 2.43 | 59.2 |
| W233939 | | 2.25 | 0.01 | 0.08 | 5.86 | 24.7 | 1080 | 1.85 | 0.53 | 4.75 | 0.10 | 68.6 | 14.9 | 90 | 4.00 | 69.5 |
| W233940 | | 5.59 | 0.01 | 0.09 | 5.34 | 14.4 | 670 | 1.72 | 0.80 | 4.15 | 0.15 | 71.4 | 15.7 | 95 | 3.93 | 83.3 |
| W233941 | | 3.63 | <0.01 | 0.08 | 5.26 | 7.4 | 490 | 1.68 | 0.64 | 4.25 | 0.09 | 78.8 | 14.5 | 83 | 3.90 | 88.7 |
| W233942 | | <0.02 | <0.01 | 0.08 | 5.27 | 8.8 | 330 | 1.64 | 0.70 | 4.20 | 0.09 | 77.1 | 15.4 | 84 | 3.87 | 90.7 |
| W233943 | | 6.14 | 0.01 | 0.06 | 6.15 | 11.6 | 540 | 1.94 | 0.72 | 2.93 | 0.08 | 96.2 | 15.8 | 69 | 5.25 | 76.2 |
| W233944 | | 2.06 | 0.01 | 0.05 | 6.27 | 7.3 | 570 | 2.00 | 0.89 | 2.79 | 0.10 | 84.1 | 13.0 | 95 | 4.88 | 68.1 |
| W233945 | | 3.66 | 0.01 | 0.07 | 6.07 | 11.3 | 660 | 1.93 | 0.81 | 2.51 | 0.11 | 75.9 | 12.0 | 86 | 4.54 | 73.0 |
| W233946 | | 2.80 | 0.01 | 0.10 | 5.85 | 26.2 | 180 | 1.96 | 1.56 | 2.71 | 0.07 | 97.2 | 30.2 | 68 | 4.68 | 170.5 |
| W233947 | | 4.29 | <0.01 | 0.07 | 5.26 | 14.2 | 1100 | 1.65 | 0.26 | 4.50 | 0.09 | 81.6 | 8.4 | 50 | 5.02 | 25.6 |
| W233948 | | 1.02 | 0.01 | 0.08 | 5.53 | 28.9 | 740 | 1.78 | 0.88 | 4.87 | 0.08 | 72.4 | 27.1 | 59 | 4.63 | 79.2 |
| W233949 | | 1.85 | 0.03 | 0.10 | 5.61 | 71.4 | 960 | 1.69 | 0.74 | 5.36 | 0.15 | 100.5 | 28.4 | 54 | 5.03 | 98.2 |
| W233950 | | 7.47 | <0.01 | 0.05 | 6.67 | 16.4 | 1360 | 1.96 | 0.30 | 3.28 | 0.05 | 101.0 | 10.5 | 57 | 9.06 | 25.2 |
| W233951 | | 6.14 | 0.01 | 0.03 | 5.93 | 11.6 | 1170 | 1.75 | 0.18 | 4.13 | 0.04 | 90.4 | 8.7 | 47 | 7.02 | 16.7 |
| W233952 | | 11.00 | 0.01 | 0.07 | 6.57 | 9.7 | 1250 | 2.07 | 0.40 | 3.23 | 0.05 | 105.5 | 9.0 | 57 | 6.25 | 28.6 |
| W233953 | | 2.64 | <0.01 | 0.05 | 5.70 | 24.2 | 1180 | 1.73 | 0.13 | 4.59 | 0.07 | 90.7 | 6.0 | 53 | 3.70 | 31.0 |
| W233954 | | 1.54 | 0.02 | 0.13 | 5.12 | 36.9 | 120 | 1.52 | 0.41 | 4.53 | 0.22 | 78.8 | 31.8 | 52 | 3.23 | 135.0 |
| W233955 | | 3.32 | 0.01 | 0.12 | 5.57 | 13.6 | 590 | 1.77 | 0.90 | 4.41 | 0.53 | 72.2 | 17.3 | 64 | 3.71 | 87.0 |
| W233956 | | 0.88 | 0.02 | 0.38 | 2.78 | 69.9 | 20 | 0.83 | 1.64 | 3.77 | 0.09 | 39.1 | 106.5 | 34 | 1.58 | 579 |
| W233957 | | 1.34 | <0.01 | 0.04 | 6.42 | 5.1 | 1380 | 2.03 | 0.19 | 3.01 | 0.02 | 91.2 | 3.8 | 64 | 4.42 | 16.1 |
| W233958 | | 0.16 | 0.87 | 59.9 | 5.33 | 136.5 | 1880 | 1.46 | 1.53 | 4.05 | 4.87 | 23.1 | 4.6 | 20 | 1.24 | 493 |
| W233959 | | 1.25 | 0.01 | 0.10 | 6.20 | 22.0 | 290 | 1.87 | 0.33 | 2.06 | 0.05 | 90.2 | 10.7 | 50 | 3.60 | 20.5 |
| W233960 | | 2.45 | 0.02 | 0.07 | 7.51 | 19.0 | 1170 | 2.05 | 0.64 | 0.66 | <0.02 | 135.0 | 16.1 | 62 | 3.64 | 24.8 |

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

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**Finalized Date: 19-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228431

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233921 | | 4.29 | 13.80 | 0.14 | 2.2 | 0.052 | 2.42 | 41.0 | 9.6 | 2.20 | 828 | 2.20 | 0.05 | 31.0 | 33.6 | 2080 |
| W233922 | | 4.33 | 17.80 | 0.16 | 3.1 | 0.065 | 3.02 | 50.0 | 12.4 | 2.12 | 785 | 2.99 | 0.06 | 38.4 | 40.5 | 3560 |
| W233923 | | 3.51 | 21.9 | 0.18 | 4.3 | 0.075 | 3.87 | 55.8 | 14.4 | 1.26 | 445 | 5.27 | 0.08 | 44.1 | 46.8 | 2440 |
| W233924 | | 4.93 | 18.35 | 0.18 | 3.6 | 0.070 | 3.21 | 53.0 | 11.5 | 1.30 | 453 | 8.63 | 0.07 | 37.0 | 63.2 | 2240 |
| W233925 | | 2.50 | 14.55 | 0.08 | 2.1 | 0.043 | 1.46 | 15.4 | 2.6 | 0.56 | 706 | 7.17 | 3.22 | 6.1 | 8.6 | 480 |
| W233926 | | 3.68 | 16.70 | 0.15 | 2.9 | 0.066 | 3.00 | 42.6 | 10.7 | 2.06 | 895 | 2.98 | 0.07 | 35.1 | 30.6 | 2240 |
| W233927 | | 3.77 | 9.70 | 0.10 | 1.3 | 0.044 | 1.69 | 27.0 | 6.4 | 2.02 | 1070 | 0.52 | 0.04 | 18.8 | 25.6 | 1180 |
| W233928 | | 0.14 | 0.22 | <0.05 | <0.1 | <0.005 | 0.02 | 1.1 | 0.9 | 1.52 | 98 | 0.11 | 0.03 | 0.1 | 0.8 | 70 |
| W233929 | | 2.86 | 17.85 | 0.17 | 2.8 | 0.053 | 2.97 | 51.5 | 9.3 | 2.25 | 780 | 1.36 | 0.07 | 41.6 | 19.5 | 2600 |
| W233930 | | 2.45 | 19.25 | 0.18 | 2.5 | 0.062 | 3.22 | 53.8 | 9.2 | 2.04 | 620 | 0.32 | 0.07 | 44.8 | 16.1 | 1820 |
| W233931 | | 3.94 | 18.65 | 0.19 | 2.2 | 0.063 | 3.33 | 55.3 | 9.1 | 2.34 | 904 | 0.34 | 0.07 | 45.6 | 23.1 | 1860 |
| W233932 | | 2.92 | 5.33 | 0.06 | 0.7 | 0.025 | 0.93 | 12.4 | 2.9 | 1.31 | 617 | 0.80 | 0.03 | 9.1 | 15.8 | 700 |
| W233933 | | 3.20 | 18.85 | 0.18 | 2.6 | 0.056 | 3.16 | 53.3 | 8.8 | 1.99 | 590 | 0.70 | 0.07 | 43.2 | 23.7 | 1780 |
| W233934 | | 3.84 | 19.65 | 0.20 | 2.8 | 0.060 | 3.23 | 57.1 | 11.8 | 2.15 | 526 | 0.61 | 0.07 | 45.6 | 24.0 | 1840 |
| W233935 | | 3.04 | 17.55 | 0.18 | 3.0 | 0.059 | 3.00 | 54.6 | 10.0 | 2.14 | 586 | 0.80 | 0.06 | 39.1 | 24.9 | 1740 |
| W233936 | | 3.18 | 18.35 | 0.17 | 3.2 | 0.065 | 3.14 | 56.0 | 10.8 | 2.19 | 595 | 0.86 | 0.07 | 41.4 | 25.1 | 1930 |
| W233937 | | 3.95 | 10.75 | 0.12 | 1.8 | 0.036 | 1.83 | 39.2 | 7.0 | 2.71 | 960 | 1.44 | 0.04 | 25.0 | 15.9 | 1760 |
| W233938 | | 4.52 | 10.60 | 0.11 | 2.3 | 0.040 | 1.85 | 30.9 | 6.8 | 2.53 | 862 | 4.46 | 0.04 | 19.8 | 40.9 | 2370 |
| W233939 | | 3.80 | 16.30 | 0.15 | 2.8 | 0.056 | 2.82 | 35.6 | 8.7 | 2.15 | 635 | 6.00 | 0.06 | 29.6 | 48.6 | 2210 |
| W233940 | | 4.16 | 14.50 | 0.15 | 2.8 | 0.047 | 2.52 | 37.8 | 8.3 | 1.93 | 524 | 4.49 | 0.05 | 28.7 | 46.1 | 2110 |
| W233941 | | 4.04 | 14.65 | 0.15 | 2.8 | 0.049 | 2.47 | 41.1 | 8.2 | 1.89 | 448 | 6.03 | 0.05 | 29.8 | 43.4 | 2210 |
| W233942 | | 4.37 | 14.70 | 0.16 | 2.8 | 0.048 | 2.45 | 40.2 | 8.3 | 1.89 | 455 | 5.85 | 0.05 | 29.6 | 45.4 | 2240 |
| W233943 | | 3.83 | 17.25 | 0.16 | 3.4 | 0.052 | 2.94 | 51.1 | 9.8 | 1.71 | 438 | 6.92 | 0.06 | 38.1 | 34.1 | 1870 |
| W233944 | | 4.09 | 17.15 | 0.16 | 3.6 | 0.053 | 2.96 | 44.2 | 10.5 | 1.53 | 373 | 10.95 | 0.07 | 36.2 | 37.8 | 1940 |
| W233945 | | 3.47 | 16.25 | 0.13 | 3.4 | 0.052 | 2.89 | 41.0 | 9.5 | 1.52 | 382 | 6.83 | 0.07 | 33.3 | 34.5 | 1830 |
| W233946 | | 5.57 | 16.35 | 0.16 | 3.4 | 0.061 | 2.78 | 50.2 | 9.4 | 1.52 | 467 | 8.21 | 0.06 | 35.5 | 77.3 | 2430 |
| W233947 | | 3.47 | 15.25 | 0.14 | 2.4 | 0.053 | 2.45 | 43.8 | 9.4 | 2.29 | 693 | 0.63 | 0.05 | 31.0 | 16.3 | 1530 |
| W233948 | | 4.65 | 16.05 | 0.14 | 2.9 | 0.054 | 2.55 | 39.7 | 10.3 | 2.51 | 779 | 1.77 | 0.05 | 32.8 | 33.2 | 1370 |
| W233949 | | 5.14 | 15.80 | 0.17 | 2.5 | 0.054 | 2.36 | 56.7 | 13.6 | 2.72 | 785 | 2.74 | 0.05 | 33.3 | 59.8 | 3920 |
| W233950 | | 4.00 | 19.00 | 0.17 | 2.5 | 0.068 | 3.23 | 54.9 | 12.9 | 2.23 | 548 | 0.78 | 0.07 | 45.0 | 24.9 | 1670 |
| W233951 | | 4.64 | 16.85 | 0.15 | 1.4 | 0.050 | 2.77 | 49.8 | 12.9 | 2.52 | 806 | 0.25 | 0.06 | 35.4 | 21.2 | 1350 |
| W233952 | | 4.34 | 19.00 | 0.18 | 2.2 | 0.060 | 2.94 | 56.9 | 11.8 | 2.22 | 619 | 0.76 | 0.06 | 41.8 | 27.7 | 1690 |
| W233953 | | 3.20 | 16.45 | 0.16 | 2.3 | 0.053 | 2.64 | 48.0 | 7.8 | 2.17 | 724 | 0.58 | 0.06 | 35.6 | 9.0 | 1950 |
| W233954 | | 6.86 | 14.10 | 0.15 | 2.5 | 0.057 | 2.29 | 41.3 | 8.0 | 2.15 | 833 | 1.29 | 0.05 | 29.9 | 40.2 | 2070 |
| W233955 | | 4.10 | 15.90 | 0.14 | 2.9 | 0.057 | 2.60 | 38.2 | 8.0 | 2.01 | 756 | 6.07 | 0.06 | 35.8 | 39.0 | 1920 |
| W233956 | | 19.10 | 8.03 | 0.12 | 1.7 | 0.037 | 1.14 | 20.1 | 4.5 | 1.53 | 808 | 4.67 | 0.03 | 16.1 | 153.0 | 1370 |
| W233957 | | 2.32 | 18.70 | 0.15 | 3.3 | 0.056 | 2.98 | 48.6 | 7.8 | 1.66 | 543 | 1.76 | 0.07 | 39.0 | 9.2 | 1810 |
| W233958 | | 2.16 | 10.85 | 0.09 | 1.6 | 0.026 | 1.42 | 13.0 | 15.3 | 0.43 | 943 | 39.0 | 2.22 | 5.3 | 10.5 | 360 |
| W233959 | | 5.42 | 17.85 | 0.14 | 2.2 | 0.059 | 2.32 | 48.8 | 7.8 | 1.57 | 892 | 1.16 | 0.06 | 38.7 | 22.7 | 1990 |
| W233960 | | 5.10 | 21.5 | 0.19 | 2.9 | 0.065 | 2.60 | 74.2 | 10.4 | 1.18 | 776 | 1.03 | 0.07 | 48.1 | 41.7 | 1910 |

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

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 19-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228431

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233921 | | 5.0 | 97.2 | 0.004 | 1.50 | 0.91 | 10.1 | 2 | 6.3 | 171.0 | 1.67 | 0.05 | 8.90 | 0.496 | 0.52 | 2.8 |
| W233922 | | 2.9 | 124.0 | 0.004 | 1.64 | 0.87 | 12.9 | 1 | 7.3 | 153.5 | 2.05 | <0.05 | 11.60 | 0.587 | 0.63 | 4.4 |
| W233923 | | 2.5 | 153.5 | 0.008 | 1.63 | 1.40 | 17.9 | 1 | 9.0 | 94.5 | 2.57 | <0.05 | 13.30 | 0.719 | 0.75 | 5.8 |
| W233924 | | 4.6 | 130.0 | 0.007 | 3.11 | 1.65 | 14.9 | 3 | 8.3 | 103.0 | 2.14 | 0.08 | 11.20 | 0.601 | 0.64 | 5.3 |
| W233925 | | 1480 | 32.5 | 0.010 | 0.50 | 114.0 | 7.5 | 3 | 1.8 | 205 | 0.42 | <0.05 | 3.16 | 0.198 | 0.36 | 1.9 |
| W233926 | | 3.4 | 117.0 | 0.003 | 1.27 | 0.81 | 12.4 | 1 | 8.0 | 149.0 | 1.98 | <0.05 | 11.20 | 0.549 | 0.61 | 4.1 |
| W233927 | | 5.6 | 65.3 | <0.002 | 1.13 | 0.65 | 8.0 | 1 | 4.2 | 123.0 | 0.99 | <0.05 | 6.31 | 0.295 | 0.34 | 2.1 |
| W233928 | | 0.7 | 0.5 | <0.002 | <0.01 | 0.12 | 0.2 | 1 | <0.2 | 78.9 | <0.05 | <0.05 | 0.10 | 0.005 | <0.02 | 0.1 |
| W233929 | | 1.9 | 116.5 | 0.002 | 0.33 | 0.93 | 12.6 | 1 | 6.4 | 170.5 | 2.29 | <0.05 | 12.15 | 0.623 | 0.59 | 3.5 |
| W233930 | | 1.9 | 123.5 | <0.002 | 0.25 | 0.61 | 13.4 | <1 | 5.3 | 156.5 | 2.50 | <0.05 | 12.35 | 0.676 | 0.59 | 2.8 |
| W233931 | | 2.8 | 117.5 | <0.002 | 0.74 | 1.05 | 13.1 | <1 | 5.5 | 197.5 | 2.59 | <0.05 | 12.50 | 0.690 | 0.61 | 3.1 |
| W233932 | | 5.0 | 34.9 | <0.002 | 0.82 | 0.97 | 4.0 | 1 | 1.6 | 116.0 | 0.47 | <0.05 | 2.58 | 0.137 | 0.19 | 1.2 |
| W233933 | | 2.4 | 118.0 | <0.002 | 0.88 | 0.80 | 13.8 | 1 | 4.7 | 170.5 | 2.54 | <0.05 | 12.35 | 0.668 | 0.59 | 3.2 |
| W233934 | | 2.1 | 124.5 | 0.002 | 0.46 | 0.80 | 14.1 | <1 | 4.5 | 128.5 | 2.58 | <0.05 | 12.90 | 0.664 | 0.66 | 3.1 |
| W233935 | | 2.1 | 115.0 | <0.002 | 0.31 | 1.10 | 12.8 | 1 | 4.5 | 149.5 | 2.20 | <0.05 | 11.55 | 0.597 | 0.61 | 3.1 |
| W233936 | | 2.3 | 121.0 | 0.003 | 0.31 | 0.93 | 13.3 | 1 | 4.9 | 156.0 | 2.40 | <0.05 | 12.65 | 0.615 | 0.66 | 3.4 |
| W233937 | | 6.1 | 69.6 | 0.002 | 0.50 | 0.72 | 8.6 | 1 | 3.6 | 233 | 1.40 | <0.05 | 7.61 | 0.380 | 0.34 | 2.3 |
| W233938 | | 4.6 | 70.1 | 0.007 | 1.37 | 0.87 | 9.9 | 2 | 4.1 | 175.5 | 1.18 | <0.05 | 6.70 | 0.361 | 0.38 | 4.0 |
| W233939 | | 3.6 | 109.5 | 0.009 | 1.16 | 1.40 | 14.0 | 1 | 5.4 | 155.0 | 1.71 | 0.05 | 8.65 | 0.490 | 0.61 | 4.4 |
| W233940 | | 3.4 | 98.9 | 0.006 | 1.44 | 1.24 | 13.2 | 2 | 4.7 | 125.0 | 1.75 | 0.05 | 8.38 | 0.524 | 0.55 | 4.7 |
| W233941 | | 2.7 | 99.9 | 0.008 | 1.78 | 1.24 | 13.3 | 2 | 4.2 | 132.0 | 1.71 | 0.05 | 8.54 | 0.513 | 0.55 | 4.6 |
| W233942 | | 2.9 | 98.6 | 0.007 | 2.01 | 1.42 | 12.8 | 2 | 4.2 | 130.0 | 1.73 | 0.07 | 8.37 | 0.506 | 0.54 | 4.7 |
| W233943 | | 2.4 | 117.5 | 0.004 | 1.52 | 1.12 | 13.8 | 1 | 4.7 | 111.0 | 2.17 | 0.07 | 11.45 | 0.591 | 0.62 | 4.8 |
| W233944 | | 2.7 | 120.0 | 0.006 | 1.67 | 1.38 | 14.4 | 2 | 4.9 | 90.1 | 2.16 | <0.05 | 10.85 | 0.612 | 0.63 | 6.2 |
| W233945 | | 2.8 | 112.0 | 0.006 | 1.51 | 1.21 | 14.0 | 2 | 4.5 | 86.3 | 2.02 | <0.05 | 10.20 | 0.568 | 0.59 | 5.2 |
| W233946 | | 4.0 | 109.0 | 0.008 | 3.26 | 1.54 | 12.8 | 2 | 4.4 | 95.6 | 2.02 | 0.08 | 10.50 | 0.554 | 0.63 | 6.0 |
| W233947 | | 2.9 | 98.8 | <0.002 | 0.51 | 1.05 | 11.1 | 1 | 4.3 | 140.5 | 1.72 | <0.05 | 9.95 | 0.483 | 0.55 | 2.6 |
| W233948 | | 3.7 | 102.5 | <0.002 | 1.48 | 1.58 | 11.9 | 2 | 4.8 | 162.0 | 1.84 | 0.08 | 10.15 | 0.512 | 0.58 | 3.3 |
| W233949 | | 8.7 | 94.8 | 0.007 | 1.40 | 1.63 | 11.2 | 1 | 4.6 | 147.0 | 1.88 | 0.05 | 11.10 | 0.512 | 0.66 | 3.6 |
| W233950 | | 1.7 | 132.0 | <0.002 | 0.67 | 0.90 | 13.5 | <1 | 5.9 | 99.4 | 2.48 | <0.05 | 12.90 | 0.644 | 0.88 | 2.7 |
| W233951 | | 1.8 | 104.5 | <0.002 | 0.51 | 0.84 | 11.8 | <1 | 5.0 | 145.0 | 2.02 | <0.05 | 11.35 | 0.575 | 0.73 | 1.3 |
| W233952 | | 2.4 | 115.5 | <0.002 | 0.65 | 0.78 | 13.5 | 1 | 7.1 | 107.5 | 2.28 | <0.05 | 12.95 | 0.648 | 0.72 | 2.2 |
| W233953 | | 1.8 | 101.0 | <0.002 | 0.52 | 0.70 | 11.0 | <1 | 6.4 | 137.5 | 2.06 | <0.05 | 10.75 | 0.565 | 0.56 | 2.4 |
| W233954 | | 3.3 | 85.2 | 0.002 | 3.76 | 1.31 | 10.5 | 2 | 5.3 | 91.0 | 1.63 | <0.05 | 9.24 | 0.467 | 0.51 | 3.1 |
| W233955 | | 4.4 | 102.5 | 0.005 | 1.78 | 1.72 | 12.3 | 1 | 6.7 | 108.5 | 1.95 | 0.05 | 9.93 | 0.553 | 0.58 | 4.3 |
| W233956 | | 5.5 | 45.4 | 0.003 | >10.0 | 6.52 | 6.8 | 7 | 3.5 | 64.6 | 0.91 | 0.16 | 4.62 | 0.253 | 0.73 | 5.6 |
| W233957 | | 1.4 | 116.0 | 0.002 | 0.27 | 0.86 | 13.3 | 1 | 7.2 | 103.0 | 2.21 | <0.05 | 12.30 | 0.612 | 0.58 | 3.4 |
| W233958 | | 365 | 42.5 | 0.006 | 0.42 | 35.9 | 5.4 | 2 | 1.7 | 234 | 0.38 | 0.37 | 3.32 | 0.164 | 0.70 | 1.6 |
| W233959 | | 2.2 | 85.4 | <0.002 | 2.21 | 6.98 | 12.7 | 1 | 6.9 | 62.2 | 2.18 | <0.05 | 11.30 | 0.618 | 0.48 | 3.3 |
| W233960 | | 2.4 | 95.0 | 0.003 | 0.48 | 1.73 | 15.4 | <1 | 8.1 | 49.2 | 2.75 | <0.05 | 14.45 | 0.772 | 0.57 | 3.5 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 19-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228431

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W233921 | | 110 | 2.2 | 15.8 | 27 | 86.9 |
| W233922 | | 147 | 2.9 | 21.0 | 15 | 127.0 |
| W233923 | | 173 | 3.3 | 22.1 | 11 | 160.5 |
| W233924 | | 152 | 3.0 | 20.2 | 15 | 134.0 |
| W233925 | | 52 | 13.2 | 18.3 | 2680 | 59.6 |
| W233926 | | 126 | 2.9 | 20.5 | 20 | 116.0 |
| W233927 | | 62 | 1.5 | 16.0 | 21 | 56.2 |
| W233928 | | <1 | <0.1 | 2.0 | 4 | 1.5 |
| W233929 | | 118 | 2.3 | 20.5 | 16 | 115.5 |
| W233930 | | 103 | 2.0 | 21.2 | 17 | 102.5 |
| W233931 | | 105 | 2.0 | 19.9 | 22 | 92.1 |
| W233932 | | 34 | 0.6 | 6.9 | 23 | 28.5 |
| W233933 | | 105 | 2.1 | 17.8 | 19 | 99.9 |
| W233934 | | 116 | 1.9 | 17.8 | 30 | 114.5 |
| W233935 | | 108 | 2.0 | 17.7 | 21 | 117.5 |
| W233936 | | 113 | 2.2 | 20.1 | 21 | 122.0 |
| W233937 | | 74 | 1.7 | 14.8 | 32 | 69.4 |
| W233938 | | 121 | 2.1 | 14.7 | 21 | 85.2 |
| W233939 | | 172 | 2.3 | 15.7 | 18 | 105.0 |
| W233940 | | 137 | 2.1 | 15.8 | 28 | 105.0 |
| W233941 | | 139 | 1.7 | 17.4 | 19 | 116.5 |
| W233942 | | 139 | 1.8 | 17.2 | 19 | 112.0 |
| W233943 | | 131 | 1.7 | 21.2 | 21 | 134.0 |
| W233944 | | 151 | 2.3 | 20.2 | 22 | 139.5 |
| W233945 | | 140 | 2.3 | 17.6 | 19 | 131.0 |
| W233946 | | 136 | 1.8 | 21.0 | 18 | 137.5 |
| W233947 | | 97 | 1.7 | 17.9 | 29 | 97.0 |
| W233948 | | 115 | 1.8 | 17.2 | 30 | 114.0 |
| W233949 | | 132 | 1.9 | 24.1 | 44 | 102.5 |
| W233950 | | 113 | 2.2 | 21.1 | 31 | 108.0 |
| W233951 | | 92 | 1.6 | 18.3 | 36 | 60.0 |
| W233952 | | 112 | 2.3 | 21.8 | 32 | 92.3 |
| W233953 | | 96 | 2.2 | 18.4 | 19 | 94.7 |
| W233954 | | 101 | 2.0 | 18.5 | 36 | 100.5 |
| W233955 | | 124 | 2.6 | 18.2 | 75 | 122.0 |
| W233956 | | 66 | 1.9 | 12.2 | 14 | 67.2 |
| W233957 | | 130 | 2.6 | 18.0 | 12 | 129.5 |
| W233958 | | 40 | 9.1 | 13.6 | 848 | 49.6 |
| W233959 | | 108 | 6.8 | 18.5 | 29 | 89.1 |
| W233960 | | 138 | 9.7 | 21.5 | 35 | 120.0 |

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

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 19-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228431

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20228432

Project: Rau

P.O. No.: R20-D49

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |
| Ag-OG62 | Ore Grade Ag - Four Acid | |
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228432

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W233961 | | 7.41 | 0.04 | 0.06 | 6.26 | 22.7 | 1000 | 1.83 | 0.72 | 2.21 | 0.04 | 112.5 | 12.8 | 54 | 3.35 | 19.1 |
| W233962 | | 1.64 | 0.06 | 0.20 | 7.33 | 86.5 | 1140 | 1.84 | 0.70 | 1.18 | 0.06 | 102.0 | 16.3 | 55 | 3.74 | 75.8 |
| W233963 | | 7.90 | 0.01 | 0.06 | 6.85 | 5.7 | 1220 | 1.95 | 1.43 | 1.96 | <0.02 | 111.5 | 10.2 | 55 | 3.99 | 26.9 |
| W233964 | | 2.06 | 0.01 | 0.04 | 5.67 | 7.1 | 1190 | 1.82 | 0.44 | 2.77 | 0.02 | 87.3 | 6.8 | 51 | 3.95 | 12.1 |
| W233965 | | 3.03 | 0.01 | 0.06 | 3.60 | 3.9 | 720 | 1.07 | 0.84 | 6.53 | 0.03 | 51.0 | 12.6 | 59 | 2.33 | 30.2 |
| W233966 | | <0.02 | 0.01 | 0.06 | 3.67 | 6.4 | 730 | 1.13 | 0.89 | 6.61 | 0.04 | 53.8 | 13.9 | 59 | 2.46 | 32.6 |
| W233967 | | 4.70 | 0.01 | 0.07 | 5.45 | 12.9 | 1150 | 1.78 | 1.50 | 3.64 | 0.07 | 72.2 | 15.4 | 89 | 4.11 | 28.5 |
| W233968 | | 1.85 | 0.12 | 0.07 | 5.67 | 72.4 | 530 | 2.04 | 1.30 | 3.10 | 0.08 | 94.1 | 16.3 | 84 | 4.42 | 35.8 |
| W233969 | | 4.89 | 0.04 | 0.10 | 5.90 | 17.1 | 660 | 2.22 | 1.81 | 2.80 | 0.08 | 92.2 | 16.6 | 81 | 4.94 | 40.2 |
| W233970 | | 1.95 | 0.02 | 0.09 | 5.57 | 12.8 | 990 | 1.78 | 1.66 | 3.47 | 0.06 | 78.0 | 12.5 | 84 | 3.93 | 39.4 |
| W233971 | | 6.30 | 0.05 | 0.07 | 5.13 | 38.0 | 990 | 1.76 | 2.02 | 3.94 | 0.08 | 72.9 | 12.5 | 79 | 3.71 | 28.7 |
| W233972 | | 2.49 | 0.10 | 0.05 | 7.80 | 94.1 | 1610 | 2.79 | 1.77 | 2.59 | 0.04 | 137.5 | 8.0 | 97 | 6.04 | 20.1 |
| W233973 | | 1.92 | 0.09 | 0.05 | 7.02 | 77.2 | 1440 | 2.18 | 1.49 | 2.79 | 0.06 | 88.4 | 6.2 | 88 | 4.45 | 16.4 |
| W233974 | | 9.11 | 0.07 | 0.06 | 6.04 | 20.6 | 1220 | 1.78 | 0.75 | 3.62 | 0.27 | 88.3 | 5.5 | 50 | 4.21 | 19.5 |
| W233975 | | 1.67 | 0.03 | 0.06 | 6.04 | 38.8 | 1210 | 1.80 | 0.41 | 3.22 | 0.65 | 95.0 | 5.1 | 50 | 3.70 | 18.4 |
| W233976 | | 1.80 | 0.05 | 0.41 | 2.94 | 2920 | 30 | 0.90 | 1.81 | 3.08 | 0.33 | 53.5 | 130.0 | 26 | 1.74 | 391 |
| W233977 | | 2.26 | <0.01 | 0.09 | 5.70 | 347 | 1190 | 1.84 | 0.65 | 5.28 | 0.07 | 113.5 | 16.4 | 46 | 3.79 | 33.9 |
| W233978 | | 7.32 | <0.01 | 0.06 | 5.48 | 6.3 | 1180 | 1.67 | 0.50 | 6.46 | 0.05 | 97.9 | 9.9 | 44 | 3.85 | 23.5 |
| W233979 | | 0.16 | 1.27 | 67.4 | 7.17 | 28.4 | 4230 | 0.94 | 0.13 | 1.83 | 13.55 | 26.7 | 4.5 | 18 | 0.38 | 218 |
| W233980 | | 5.50 | <0.01 | 0.05 | 4.88 | 6.3 | 1010 | 1.57 | 0.16 | 8.60 | 0.06 | 81.4 | 6.1 | 44 | 4.89 | 8.4 |
| W233981 | | 4.92 | 0.01 | 0.05 | 6.88 | 24.9 | 1410 | 2.17 | 0.61 | 2.64 | 0.03 | 117.5 | 7.4 | 58 | 8.07 | 17.3 |
| W233982 | | 1.94 | 0.01 | 0.12 | 6.44 | 205 | 400 | 1.89 | 1.08 | 3.61 | 0.04 | 85.8 | 13.7 | 58 | 4.46 | 53.9 |
| W233983 | | 2.74 | <0.01 | 0.08 | 2.72 | 112.5 | 560 | 0.72 | 0.53 | 12.35 | 0.08 | 38.0 | 7.0 | 27 | 1.91 | 44.3 |
| W233984 | | 3.07 | <0.01 | 0.11 | 0.82 | 175.0 | 180 | 0.24 | 0.53 | 6.55 | 0.09 | 28.6 | 17.2 | 18 | 0.51 | 101.5 |
| W233985 | | 1.98 | <0.01 | <0.01 | 0.11 | <0.2 | 30 | <0.05 | 0.01 | 32.6 | <0.02 | 1.07 | 0.9 | 3 | <0.05 | 1.8 |
| W233986 | | 3.15 | 0.03 | 0.08 | 4.89 | 42.7 | 1000 | 1.31 | 0.52 | 4.62 | 0.09 | 72.3 | 8.3 | 45 | 3.54 | 27.7 |
| W233987 | | 3.91 | 0.01 | 0.98 | 6.47 | 22.3 | 1340 | 1.72 | 0.41 | 2.43 | 0.04 | 100.5 | 13.1 | 52 | 10.10 | 21.7 |
| W233988 | | 2.96 | 0.05 | 0.10 | 7.24 | 11.6 | 1570 | 2.07 | 0.48 | 2.98 | <0.02 | 97.5 | 5.6 | 53 | 6.62 | 14.3 |
| W233989 | | 0.16 | 5.09 | 12.85 | 6.07 | 729 | 50 | 0.71 | 5.48 | 3.84 | 11.35 | 29.7 | 28.0 | 30 | 1.57 | 2130 |
| W233990 | | 1.61 | 0.27 | 0.23 | 4.90 | 3960 | 100 | 1.39 | 0.91 | 10.65 | 0.08 | 84.0 | 52.1 | 31 | 3.25 | 112.0 |
| W233991 | | 2.64 | 0.02 | 0.11 | 6.39 | 15.8 | 1310 | 1.87 | 0.99 | 4.73 | 0.06 | 102.0 | 14.1 | 51 | 4.36 | 47.1 |
| W233992 | | 3.47 | 0.01 | 0.10 | 6.44 | 15.5 | 1490 | 1.98 | 0.47 | 5.00 | 0.09 | 98.6 | 13.1 | 51 | 4.68 | 39.4 |
| W233993 | | 3.95 | <0.01 | 0.05 | 6.05 | 7.1 | 1390 | 1.91 | 0.23 | 5.15 | 0.04 | 96.2 | 6.4 | 54 | 4.22 | 20.6 |
| W233994 | | 4.14 | <0.01 | 0.08 | 5.53 | 22.1 | 1220 | 1.79 | 0.60 | 6.38 | 0.10 | 84.6 | 10.0 | 55 | 3.73 | 40.1 |
| W233995 | | 2.59 | 0.01 | 0.13 | 6.72 | 37.9 | 500 | 2.18 | 1.52 | 4.91 | 0.08 | 100.0 | 20.5 | 90 | 4.94 | 96.7 |
| W233996 | | 2.59 | 0.09 | 0.17 | 5.27 | 47.0 | 280 | 1.47 | 0.75 | 8.72 | 0.17 | 77.7 | 18.3 | 87 | 3.42 | 94.4 |
| W233997 | | 1.54 | 0.01 | 0.06 | 2.15 | 29.6 | 490 | 0.68 | 0.84 | 9.00 | 0.17 | 32.7 | 11.8 | 41 | 1.55 | 43.9 |
| W233998 | | 3.36 | 0.02 | 0.13 | 4.00 | 71.7 | 830 | 1.20 | 2.30 | 6.65 | 0.20 | 65.7 | 17.5 | 73 | 2.86 | 45.3 |
| W233999 | | 5.28 | 0.02 | 0.11 | 5.97 | 71.0 | 540 | 1.80 | 3.16 | 3.56 | 0.03 | 80.2 | 21.7 | 102 | 4.09 | 54.2 |
| W234000 | | 2.62 | 0.01 | 0.10 | 6.10 | 40.0 | 1150 | 1.85 | 1.80 | 3.97 | 0.07 | 62.6 | 16.0 | 90 | 3.79 | 49.7 |

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

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To: **ATAC RESOURCES LTD.**
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**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228432

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W233961 | | 4.37 | 19.60 | 0.17 | 2.0 | 0.057 | 2.16 | 59.8 | 12.2 | 1.61 | 829 | 0.57 | 0.06 | 48.7 | 33.1 | 1650 |
| W233962 | | 4.65 | 20.7 | 0.14 | 2.3 | 0.067 | 2.78 | 54.5 | 9.0 | 1.12 | 605 | 0.63 | 0.07 | 47.7 | 32.8 | 1980 |
| W233963 | | 3.52 | 20.4 | 0.17 | 2.6 | 0.065 | 2.72 | 60.6 | 10.6 | 1.52 | 646 | 1.63 | 0.06 | 50.8 | 28.8 | 1760 |
| W233964 | | 2.50 | 17.70 | 0.14 | 2.5 | 0.059 | 2.58 | 45.7 | 8.5 | 1.55 | 549 | 1.31 | 0.06 | 40.7 | 23.9 | 1570 |
| W233965 | | 5.88 | 10.35 | 0.09 | 1.8 | 0.043 | 1.56 | 28.4 | 6.9 | 2.92 | 1360 | 2.77 | 0.04 | 17.8 | 44.3 | 1210 |
| W233966 | | 5.97 | 10.75 | 0.09 | 1.8 | 0.052 | 1.58 | 29.8 | 6.9 | 2.95 | 1360 | 2.77 | 0.04 | 18.3 | 47.2 | 1250 |
| W233967 | | 3.85 | 15.50 | 0.12 | 2.9 | 0.053 | 2.54 | 37.7 | 10.5 | 1.85 | 630 | 7.97 | 0.05 | 29.5 | 48.4 | 1810 |
| W233968 | | 4.81 | 16.50 | 0.15 | 2.7 | 0.057 | 2.68 | 50.1 | 10.3 | 1.67 | 648 | 5.90 | 0.06 | 28.5 | 40.6 | 1640 |
| W233969 | | 4.04 | 18.75 | 0.16 | 3.1 | 0.061 | 2.76 | 48.0 | 11.7 | 1.54 | 531 | 4.67 | 0.06 | 35.0 | 49.9 | 1820 |
| W233970 | | 3.87 | 15.05 | 0.13 | 2.7 | 0.053 | 2.67 | 40.7 | 8.9 | 1.70 | 703 | 4.36 | 0.06 | 29.8 | 33.6 | 1850 |
| W233971 | | 3.72 | 14.80 | 0.13 | 2.5 | 0.046 | 2.42 | 38.3 | 9.2 | 1.95 | 760 | 5.45 | 0.06 | 25.7 | 39.4 | 1790 |
| W233972 | | 2.57 | 24.3 | 0.19 | 4.3 | 0.064 | 3.72 | 73.7 | 14.7 | 1.53 | 522 | 4.08 | 0.09 | 54.6 | 40.6 | 2320 |
| W233973 | | 2.67 | 19.05 | 0.14 | 3.3 | 0.047 | 3.35 | 47.1 | 12.5 | 1.58 | 596 | 2.87 | 0.08 | 42.1 | 31.9 | 2310 |
| W233974 | | 2.61 | 17.40 | 0.14 | 1.7 | 0.050 | 2.87 | 46.7 | 10.7 | 1.97 | 666 | 0.47 | 0.06 | 37.6 | 15.7 | 1320 |
| W233975 | | 2.25 | 18.65 | 0.15 | 1.9 | 0.051 | 2.81 | 50.4 | 10.4 | 1.68 | 654 | 0.28 | 0.06 | 42.8 | 11.6 | 1480 |
| W233976 | | 19.20 | 8.91 | 0.14 | 1.1 | 0.036 | 1.27 | 27.8 | 4.6 | 1.57 | 776 | 0.50 | 0.05 | 18.3 | 105.0 | 790 |
| W233977 | | 3.56 | 17.65 | 0.17 | 1.9 | 0.051 | 2.69 | 60.2 | 9.9 | 2.57 | 1100 | 0.36 | 0.07 | 40.7 | 17.5 | 1470 |
| W233978 | | 3.99 | 16.20 | 0.14 | 1.5 | 0.047 | 2.52 | 54.6 | 11.0 | 2.97 | 1120 | 0.27 | 0.06 | 35.4 | 17.5 | 1570 |
| W233979 | | 2.45 | 12.50 | 0.10 | 1.7 | 0.038 | 1.43 | 14.7 | 2.3 | 0.54 | 727 | 6.39 | 3.15 | 5.2 | 8.0 | 490 |
| W233980 | | 3.31 | 14.00 | 0.13 | 2.0 | 0.043 | 2.20 | 44.5 | 11.5 | 1.96 | 1040 | 0.88 | 0.05 | 30.9 | 15.8 | 1440 |
| W233981 | | 3.36 | 21.1 | 0.17 | 3.3 | 0.060 | 3.25 | 64.8 | 17.2 | 1.98 | 650 | 0.88 | 0.08 | 54.4 | 25.3 | 1730 |
| W233982 | | 4.34 | 19.05 | 0.16 | 3.0 | 0.056 | 2.96 | 44.3 | 12.3 | 1.94 | 917 | 3.81 | 0.08 | 41.7 | 50.3 | 2490 |
| W233983 | | 3.26 | 7.47 | 0.08 | 1.1 | 0.023 | 1.25 | 20.4 | 4.1 | 1.35 | 1080 | 1.11 | 0.04 | 14.3 | 17.3 | 960 |
| W233984 | | 5.34 | 2.62 | 0.06 | 0.3 | 0.012 | 0.37 | 16.0 | 1.4 | 1.01 | 661 | 0.53 | 0.01 | 4.8 | 34.0 | 510 |
| W233985 | | 0.24 | 0.37 | <0.05 | <0.1 | <0.005 | 0.02 | 1.1 | 1.1 | 1.70 | 116 | 0.08 | 0.05 | 0.2 | 1.5 | 40 |
| W233986 | | 3.25 | 14.05 | 0.12 | 1.7 | 0.044 | 2.20 | 38.0 | 8.3 | 2.10 | 969 | 0.72 | 0.06 | 33.0 | 19.0 | 1220 |
| W233987 | | 4.08 | 19.50 | 0.17 | 2.5 | 0.062 | 3.02 | 54.3 | 15.0 | 1.95 | 472 | 1.23 | 0.06 | 49.1 | 22.7 | 1560 |
| W233988 | | 2.40 | 21.9 | 0.17 | 3.2 | 0.067 | 3.49 | 52.5 | 14.2 | 1.92 | 594 | 0.96 | 0.07 | 60.9 | 22.3 | 1580 |
| W233989 | | 10.20 | 16.25 | 0.15 | 1.0 | 1.155 | 1.80 | 14.7 | 10.1 | 1.21 | 1020 | 33.3 | 1.66 | 3.7 | 17.5 | 1080 |
| W233990 | | 7.07 | 14.40 | 0.15 | 1.9 | 0.062 | 2.26 | 48.0 | 8.1 | 3.51 | 1730 | 0.84 | 0.06 | 30.6 | 55.3 | 1310 |
| W233991 | | 4.02 | 19.60 | 0.16 | 2.4 | 0.061 | 3.00 | 54.6 | 12.2 | 2.37 | 834 | 0.67 | 0.07 | 44.3 | 28.1 | 1540 |
| W233992 | | 3.72 | 19.50 | 0.17 | 2.2 | 0.061 | 3.10 | 53.0 | 12.0 | 2.25 | 780 | 0.37 | 0.06 | 41.5 | 23.1 | 1680 |
| W233993 | | 3.29 | 18.00 | 0.16 | 2.3 | 0.063 | 2.89 | 50.7 | 11.4 | 2.25 | 890 | 0.61 | 0.06 | 42.5 | 21.5 | 1740 |
| W233994 | | 3.97 | 16.20 | 0.15 | 2.6 | 0.054 | 2.68 | 44.4 | 10.1 | 2.42 | 973 | 1.81 | 0.06 | 34.1 | 30.2 | 1690 |
| W233995 | | 4.48 | 20.5 | 0.20 | 3.5 | 0.060 | 3.28 | 54.6 | 12.4 | 1.98 | 682 | 8.38 | 0.07 | 40.2 | 57.8 | 2530 |
| W233996 | | 6.13 | 14.10 | 0.12 | 2.8 | 0.058 | 2.53 | 41.5 | 8.5 | 3.45 | 1420 | 7.00 | 0.06 | 28.3 | 51.2 | 3040 |
| W233997 | | 4.70 | 6.12 | 0.07 | 1.2 | 0.025 | 1.02 | 19.3 | 3.6 | 2.56 | 1040 | 5.96 | 0.02 | 10.2 | 31.9 | 1570 |
| W233998 | | 4.53 | 11.75 | 0.11 | 2.3 | 0.042 | 1.89 | 36.7 | 6.6 | 2.71 | 876 | 8.49 | 0.04 | 22.5 | 50.7 | 3020 |
| W233999 | | 4.03 | 16.75 | 0.15 | 3.1 | 0.050 | 2.87 | 41.2 | 9.6 | 1.73 | 552 | 9.30 | 0.06 | 32.8 | 61.1 | 2110 |
| W234000 | | 3.78 | 15.75 | 0.14 | 2.6 | 0.051 | 2.89 | 32.9 | 9.3 | 1.85 | 601 | 9.50 | 0.07 | 27.2 | 50.9 | 1680 |

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

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**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228432

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W233961 | | 3.0 | 83.2 | <0.002 | 0.53 | 3.30 | 13.4 | <1 | 8.7 | 79.5 | 2.66 | <0.05 | 13.20 | 0.636 | 0.43 | 2.6 |
| W233962 | | 15.2 | 96.1 | 0.002 | 1.40 | 8.43 | 14.9 | <1 | 10.8 | 54.6 | 2.57 | <0.05 | 13.60 | 0.600 | 0.61 | 2.6 |
| W233963 | | 3.5 | 99.8 | 0.002 | 0.47 | 4.07 | 14.4 | 1 | 11.7 | 67.1 | 2.84 | <0.05 | 14.05 | 0.659 | 0.55 | 3.2 |
| W233964 | | 2.2 | 99.7 | 0.002 | 0.38 | 6.42 | 12.3 | <1 | 9.9 | 80.9 | 2.09 | <0.05 | 10.90 | 0.549 | 0.50 | 2.9 |
| W233965 | | 2.7 | 60.4 | 0.003 | 1.50 | 6.72 | 8.9 | 1 | 6.5 | 167.5 | 1.00 | <0.05 | 6.04 | 0.303 | 0.32 | 3.8 |
| W233966 | | 2.8 | 61.2 | 0.003 | 1.61 | 7.27 | 9.2 | 1 | 6.7 | 172.0 | 1.01 | <0.05 | 6.23 | 0.308 | 0.33 | 3.9 |
| W233967 | | 3.7 | 101.5 | 0.010 | 1.25 | 1.43 | 13.3 | 1 | 9.4 | 109.5 | 1.68 | <0.05 | 8.94 | 0.515 | 0.53 | 5.2 |
| W233968 | | 2.9 | 109.5 | 0.004 | 1.92 | 1.06 | 14.3 | 1 | 9.7 | 100.0 | 1.57 | <0.05 | 8.67 | 0.503 | 0.55 | 3.9 |
| W233969 | | 3.3 | 121.0 | 0.005 | 1.93 | 1.24 | 15.3 | 2 | 11.6 | 99.0 | 1.96 | 0.06 | 11.45 | 0.527 | 0.66 | 4.3 |
| W233970 | | 3.2 | 99.6 | 0.004 | 1.72 | 1.21 | 12.6 | 1 | 10.4 | 106.5 | 1.70 | 0.05 | 9.21 | 0.530 | 0.48 | 4.2 |
| W233971 | | 2.7 | 94.0 | 0.006 | 1.59 | 1.13 | 12.2 | 1 | 11.5 | 109.5 | 1.44 | <0.05 | 8.09 | 0.464 | 0.48 | 3.9 |
| W233972 | | 3.0 | 153.5 | 0.003 | 1.12 | 1.28 | 18.6 | 1 | 20.7 | 83.1 | 3.09 | <0.05 | 15.60 | 0.802 | 0.69 | 5.7 |
| W233973 | | 3.4 | 111.5 | 0.003 | 1.05 | 1.11 | 13.1 | 1 | 16.4 | 69.7 | 2.20 | <0.05 | 11.90 | 0.715 | 0.55 | 4.4 |
| W233974 | | 2.5 | 98.0 | <0.002 | 0.65 | 0.67 | 10.9 | 1 | 11.3 | 88.5 | 1.87 | <0.05 | 10.40 | 0.573 | 0.55 | 2.5 |
| W233975 | | 1.8 | 102.5 | <0.002 | 0.47 | 0.63 | 11.4 | <1 | 12.1 | 79.8 | 2.17 | <0.05 | 10.95 | 0.628 | 0.53 | 2.0 |
| W233976 | | 4.8 | 47.2 | <0.002 | >10.0 | 1.12 | 6.9 | 4 | 6.0 | 60.2 | 0.90 | 0.18 | 5.03 | 0.242 | 0.23 | 1.4 |
| W233977 | | 2.5 | 103.0 | <0.002 | 0.94 | 0.88 | 11.0 | 1 | 10.1 | 140.5 | 2.12 | 0.05 | 11.75 | 0.547 | 0.50 | 2.2 |
| W233978 | | 1.7 | 94.4 | <0.002 | 0.76 | 0.67 | 10.2 | 1 | 7.2 | 211 | 1.92 | <0.05 | 10.70 | 0.519 | 0.53 | 2.3 |
| W233979 | | 1370 | 30.9 | 0.007 | 0.48 | 107.5 | 6.7 | 2 | 1.6 | 212 | 0.38 | <0.05 | 2.59 | 0.193 | 0.32 | 1.7 |
| W233980 | | 1.9 | 85.1 | <0.002 | 0.52 | 0.82 | 9.1 | <1 | 6.3 | 140.0 | 1.59 | <0.05 | 9.70 | 0.453 | 0.47 | 3.3 |
| W233981 | | 2.9 | 128.5 | <0.002 | 0.49 | 0.76 | 13.8 | 1 | 12.6 | 85.2 | 2.74 | <0.05 | 13.35 | 0.708 | 0.80 | 3.8 |
| W233982 | | 4.2 | 110.5 | 0.005 | 2.30 | 3.87 | 13.0 | 1 | 14.5 | 71.1 | 2.06 | 0.06 | 11.60 | 0.654 | 0.85 | 4.6 |
| W233983 | | 3.1 | 42.2 | <0.002 | 1.91 | 0.58 | 4.9 | 1 | 5.7 | 74.0 | 0.73 | <0.05 | 4.36 | 0.243 | 0.23 | 6.3 |
| W233984 | | 4.6 | 13.9 | <0.002 | 4.66 | 0.47 | 2.1 | 2 | 2.1 | 62.5 | 0.24 | <0.05 | 1.90 | 0.070 | 0.25 | 4.7 |
| W233985 | | <0.5 | 0.5 | <0.002 | 0.01 | 0.09 | 0.4 | 1 | <0.2 | 78.2 | <0.05 | <0.05 | 0.08 | 0.010 | <0.02 | 0.2 |
| W233986 | | 2.6 | 77.9 | <0.002 | 0.88 | 0.60 | 9.5 | 1 | 8.9 | 105.0 | 1.66 | <0.05 | 8.92 | 0.449 | 0.46 | 2.3 |
| W233987 | | 2.0 | 126.0 | <0.002 | 0.65 | 0.70 | 12.6 | 1 | 9.1 | 76.4 | 2.47 | <0.05 | 12.25 | 0.633 | 0.91 | 2.9 |
| W233988 | | 1.9 | 134.0 | <0.002 | 0.41 | 0.57 | 13.6 | <1 | 11.0 | 87.6 | 3.12 | <0.05 | 14.30 | 0.691 | 0.74 | 3.0 |
| W233989 | | 811 | 54.5 | 0.024 | 7.46 | 65.3 | 10.2 | 20 | 4.3 | 473 | 0.19 | 0.62 | 3.82 | 0.231 | 4.46 | 2.1 |
| W233990 | | 7.6 | 82.0 | <0.002 | 4.22 | 1.60 | 10.2 | 2 | 7.7 | 106.0 | 1.56 | 0.88 | 8.49 | 0.386 | 0.48 | 2.7 |
| W233991 | | 2.6 | 116.0 | <0.002 | 1.36 | 0.78 | 12.7 | 1 | 10.6 | 140.5 | 2.26 | <0.05 | 12.50 | 0.575 | 0.65 | 2.8 |
| W233992 | | 1.5 | 118.5 | <0.002 | 0.81 | 0.56 | 12.7 | 1 | 10.9 | 175.0 | 2.12 | <0.05 | 12.75 | 0.576 | 0.64 | 2.6 |
| W233993 | | 1.7 | 112.5 | <0.002 | 0.48 | 0.70 | 11.7 | 1 | 12.8 | 149.5 | 2.16 | <0.05 | 11.75 | 0.590 | 0.62 | 3.0 |
| W233994 | | 2.2 | 108.0 | 0.003 | 1.25 | 0.60 | 11.0 | 1 | 13.6 | 179.0 | 1.72 | <0.05 | 10.05 | 0.482 | 0.56 | 4.8 |
| W233995 | | 3.8 | 129.0 | 0.009 | 2.23 | 0.76 | 14.4 | 3 | 14.4 | 164.0 | 2.04 | 0.05 | 11.60 | 0.608 | 0.70 | 6.3 |
| W233996 | | 2.7 | 92.8 | 0.010 | 2.46 | 1.65 | 12.0 | 2 | 11.4 | 270 | 1.52 | <0.05 | 8.79 | 0.494 | 0.62 | 6.4 |
| W233997 | | 3.1 | 40.8 | 0.007 | 1.94 | 0.70 | 5.5 | 2 | 4.6 | 182.0 | 0.53 | <0.05 | 3.36 | 0.180 | 0.24 | 6.1 |
| W233998 | | 3.4 | 73.8 | 0.015 | 1.51 | 1.03 | 9.7 | 2 | 7.0 | 175.0 | 1.19 | 0.07 | 6.83 | 0.381 | 0.41 | 7.8 |
| W233999 | | 3.6 | 107.5 | 0.012 | 1.91 | 1.04 | 13.3 | 2 | 8.1 | 113.5 | 1.75 | 0.12 | 9.60 | 0.531 | 0.62 | 6.8 |
| W234000 | | 2.8 | 103.5 | 0.013 | 1.52 | 0.99 | 12.2 | 2 | 8.6 | 143.0 | 1.47 | 0.06 | 8.37 | 0.467 | 0.57 | 5.5 |

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

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**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228432

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Ag-OG62 |
|---|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr | Ag |
| | Units | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 | 1 |
| W233961 | | 114 | 4.7 | 19.6 | 34 | 80.6 | |
| W233962 | | 128 | 4.3 | 16.2 | 31 | 95.8 | |
| W233963 | | 127 | 4.9 | 18.1 | 21 | 107.5 | |
| W233964 | | 111 | 3.7 | 15.5 | 12 | 109.0 | |
| W233965 | | 85 | 2.7 | 12.1 | 12 | 77.3 | |
| W233966 | | 86 | 2.6 | 12.5 | 12 | 80.5 | |
| W233967 | | 176 | 2.9 | 15.9 | 16 | 118.5 | |
| W233968 | | 127 | 2.9 | 17.7 | 15 | 111.5 | |
| W233969 | | 130 | 3.3 | 18.7 | 13 | 125.0 | |
| W233970 | | 128 | 3.1 | 14.9 | 14 | 107.0 | |
| W233971 | | 149 | 3.6 | 14.3 | 14 | 97.1 | |
| W233972 | | 164 | 7.1 | 22.3 | 13 | 168.5 | |
| W233973 | | 145 | 5.5 | 16.4 | 13 | 139.5 | |
| W233974 | | 98 | 3.5 | 13.8 | 48 | 72.0 | |
| W233975 | | 100 | 4.1 | 13.7 | 87 | 75.5 | |
| W233976 | | 48 | 2.2 | 10.6 | 42 | 48.9 | |
| W233977 | | 84 | 2.6 | 17.4 | 18 | 77.1 | |
| W233978 | | 87 | 1.9 | 17.4 | 18 | 62.5 | |
| W233979 | | 52 | 10.2 | 16.2 | 2740 | 56.2 | 63 |
| W233980 | | 87 | 1.5 | 15.5 | 17 | 86.9 | |
| W233981 | | 122 | 3.5 | 20.8 | 24 | 147.0 | |
| W233982 | | 139 | 4.6 | 19.3 | 14 | 126.0 | |
| W233983 | | 53 | 1.8 | 9.8 | 13 | 44.6 | |
| W233984 | | 14 | 0.8 | 5.5 | 13 | 16.0 | |
| W233985 | | 2 | 0.1 | 2.1 | 6 | 1.8 | |
| W233986 | | 82 | 2.8 | 13.5 | 18 | 74.3 | |
| W233987 | | 111 | 8.8 | 16.7 | 26 | 111.5 | |
| W233988 | | 121 | 3.0 | 20.1 | 14 | 147.5 | |
| W233989 | | 129 | 8.1 | 10.6 | 2040 | 32.2 | |
| W233990 | | 87 | 2.5 | 22.7 | 20 | 83.4 | |
| W233991 | | 112 | 3.0 | 18.8 | 17 | 103.5 | |
| W233992 | | 106 | 2.8 | 17.5 | 17 | 92.1 | |
| W233993 | | 104 | 3.1 | 17.5 | 15 | 103.5 | |
| W233994 | | 108 | 3.0 | 15.3 | 17 | 115.0 | |
| W233995 | | 159 | 3.3 | 17.7 | 15 | 145.5 | |
| W233996 | | 168 | 2.7 | 18.6 | 23 | 119.5 | |
| W233997 | | 95 | 1.1 | 9.7 | 20 | 53.7 | |
| W233998 | | 189 | 1.9 | 14.2 | 27 | 100.5 | |
| W233999 | | 199 | 2.0 | 13.1 | 9 | 138.0 | |
| W234000 | | 165 | 2.1 | 11.6 | 11 | 111.5 | |

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

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

Project: Rau


**Finalized Date: 27-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228432

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | | | |
|---|---|---|---|
| Ag-OG62 | Au-AA26 | ME-MS61 | ME-OG62 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227699

Project: Rau

P.O. No.: R20-D50

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

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

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

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227699

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R614121 | | 4.69 | 0.85 | 0.21 | 5.38 | 1550 | 670 | 1.94 | 5.15 | 4.58 | <0.02 | 88.0 | 11.5 | 92 | 3.28 | 20.0 |
| R614122 | | 4.19 | 0.84 | 0.21 | 0.66 | 1530 | 110 | 0.26 | 15.50 | 0.53 | 0.06 | 12.15 | 43.7 | 41 | 0.56 | 31.1 |
| R614123 | | <0.02 | 0.94 | 0.26 | 0.78 | 1415 | 130 | 0.30 | 13.80 | 0.60 | 0.07 | 15.75 | 45.0 | 44 | 0.64 | 35.0 |
| R614124 | | 3.15 | 0.09 | 0.11 | 4.96 | 79.5 | 550 | 1.70 | 11.50 | 2.89 | <0.02 | 108.5 | 4.8 | 82 | 2.30 | 8.5 |
| R614125 | | 1.66 | 0.14 | 0.06 | 2.13 | 651 | 340 | 0.82 | 7.40 | 1.55 | 0.05 | 31.6 | 6.8 | 53 | 1.35 | 10.6 |
| R614126 | | 9.72 | 0.14 | 0.10 | 5.98 | 1065 | 550 | 2.34 | 3.87 | 4.35 | <0.02 | 90.4 | 24.3 | 107 | 3.96 | 4.5 |
| R614127 | | 11.30 | 0.11 | 0.13 | 5.09 | 431 | 510 | 1.94 | 6.82 | 4.90 | 0.03 | 73.1 | 20.1 | 88 | 3.62 | 4.5 |
| R614128 | | 8.97 | 0.18 | 0.33 | 5.63 | 111.0 | 530 | 2.21 | 17.75 | 3.61 | 0.04 | 76.6 | 18.0 | 98 | 4.52 | 8.7 |
| R614129 | | 1.58 | 1.76 | 0.79 | 2.13 | 1895 | 20 | 0.76 | 39.3 | 3.25 | 0.06 | 30.4 | 40.4 | 49 | 1.70 | 4.9 |
| R614130 | | 2.00 | <0.01 | <0.01 | 0.17 | 1.4 | 30 | 0.13 | 0.07 | 36.3 | 0.02 | 1.16 | 0.7 | 2 | <0.05 | 1.2 |
| R614131 | | 1.92 | 0.10 | 0.44 | 5.23 | 217 | 900 | 1.90 | 17.40 | 3.84 | 0.07 | 79.9 | 13.0 | 93 | 4.31 | 5.9 |
| R614132 | | 11.95 | 0.16 | 0.15 | 4.65 | 245 | 480 | 1.64 | 11.70 | 4.32 | 0.05 | 68.8 | 14.2 | 85 | 3.38 | 6.7 |
| R614133 | | 11.29 | 0.06 | 0.08 | 6.26 | 463 | 970 | 2.14 | 2.32 | 3.13 | 0.03 | 82.5 | 14.7 | 94 | 4.77 | 38.1 |
| R614134 | | 3.46 | 0.03 | 0.11 | 6.29 | 53.3 | 560 | 2.09 | 1.82 | 3.28 | 0.06 | 92.4 | 12.1 | 94 | 4.97 | 97.7 |
| R614135 | | 3.29 | 0.03 | 0.10 | 6.32 | 59.8 | 990 | 2.10 | 1.75 | 3.34 | 0.06 | 88.2 | 11.5 | 94 | 5.03 | 92.0 |
| R614136 | | 2.05 | 0.02 | 0.13 | 6.10 | 62.1 | 300 | 1.97 | 1.34 | 5.34 | 0.05 | 75.5 | 33.1 | 77 | 4.87 | 146.5 |
| R614137 | | 2.79 | 0.02 | 0.13 | 7.89 | 40.2 | 1210 | 2.59 | 2.56 | 2.62 | 0.05 | 105.0 | 14.8 | 110 | 6.52 | 117.5 |
| R614138 | | 7.25 | 0.05 | 0.10 | 7.73 | 28.4 | 1340 | 2.44 | 1.65 | 2.48 | 0.05 | 109.0 | 15.9 | 96 | 6.36 | 91.2 |
| R614139 | | 1.89 | 0.01 | 0.04 | 1.85 | 8.8 | 340 | 0.56 | 0.24 | 5.14 | 0.09 | 27.6 | 6.3 | 34 | 1.60 | 30.4 |
| R614140 | | 8.81 | 0.02 | 0.08 | 7.22 | 36.8 | 1370 | 2.19 | 1.91 | 2.91 | 0.07 | 100.5 | 15.3 | 90 | 5.82 | 81.2 |
| R614141 | | 9.30 | 0.01 | 0.09 | 7.43 | 52.7 | 1250 | 2.31 | 1.97 | 2.49 | 0.07 | 100.5 | 17.6 | 93 | 6.17 | 65.3 |
| R614142 | | 3.57 | 0.01 | 0.06 | 8.15 | 51.5 | 1360 | 2.31 | 1.14 | 2.01 | 0.02 | 123.0 | 14.8 | 57 | 5.53 | 75.2 |
| R614143 | | 1.96 | 0.01 | 0.19 | 5.52 | 67.2 | 400 | 1.34 | 0.94 | 2.81 | 0.06 | 100.5 | 22.3 | 37 | 2.39 | 125.5 |
| R614144 | | 7.79 | 0.02 | 0.19 | 7.31 | 33.0 | 1170 | 2.15 | 2.41 | 1.85 | 0.06 | 101.0 | 19.2 | 69 | 5.23 | 79.5 |
| R614145 | | 2.94 | 0.03 | 0.23 | 5.44 | 33.6 | 800 | 1.67 | 1.88 | 3.40 | 0.05 | 75.3 | 21.3 | 73 | 3.49 | 96.0 |
| R614146 | | 2.44 | 0.07 | 0.20 | 4.52 | 549 | 380 | 1.45 | 1.74 | 1.60 | 0.26 | 62.2 | 25.1 | 56 | 3.07 | 31.6 |
| R614147 | | 3.21 | 0.35 | 0.89 | 5.34 | 4350 | 90 | 1.61 | 3.46 | 0.98 | <0.02 | 83.4 | 36.0 | 85 | 3.07 | 8.0 |
| R614148 | | 5.88 | 0.12 | 0.11 | 7.60 | 2860 | 1300 | 2.37 | 5.10 | 0.54 | <0.02 | 128.0 | 28.3 | 73 | 4.34 | 7.2 |
| R614149 | | 5.62 | 0.31 | 0.23 | 7.07 | 3430 | 160 | 2.16 | 6.40 | 0.73 | <0.02 | 124.0 | 26.4 | 83 | 3.90 | 8.1 |
| R614150 | | 4.40 | 0.26 | 0.16 | 4.82 | 1050 | 350 | 1.51 | 3.66 | 1.00 | <0.02 | 84.9 | 10.9 | 51 | 2.56 | 7.0 |
| R614151 | | 3.36 | 0.50 | 0.23 | 3.43 | 1775 | 110 | 0.92 | 4.99 | 2.36 | 0.05 | 181.5 | 11.7 | 39 | 1.07 | 9.2 |
| R614152 | | 0.26 | 3.47 | 5.75 | 7.67 | 1880 | 160 | 1.53 | 0.54 | 3.06 | 1.16 | 40.3 | 22.0 | 16 | 7.85 | 181.0 |
| R614153 | | 6.53 | 0.11 | 0.04 | 6.10 | 1320 | 1090 | 1.84 | 2.90 | 2.80 | <0.02 | 109.0 | 18.6 | 50 | 3.48 | 3.0 |
| R614154 | | 0.74 | 0.24 | 0.06 | 1.36 | 2660 | 230 | 0.40 | 4.23 | 2.41 | 0.06 | 12.10 | 51.4 | 21 | 0.89 | 6.2 |
| R614155 | | 7.60 | 0.12 | 0.06 | 6.95 | 228 | 1320 | 2.09 | 1.56 | 3.81 | <0.02 | 111.0 | 11.5 | 55 | 4.40 | 19.4 |
| R614156 | | 4.69 | 0.12 | 0.13 | 6.49 | 126.0 | 1230 | 1.89 | 1.97 | 4.17 | 0.03 | 97.6 | 7.2 | 53 | 4.29 | 86.2 |
| R614157 | | 7.71 | 0.17 | 0.07 | 7.95 | 1365 | 1080 | 2.46 | 3.13 | 3.14 | <0.02 | 132.0 | 21.0 | 75 | 4.56 | 6.8 |
| R614158 | | 4.03 | 0.53 | 0.82 | 4.83 | 1530 | 800 | 1.55 | 21.8 | 4.13 | <0.02 | 92.2 | 26.0 | 46 | 2.91 | 22.9 |
| R614159 | | 0.16 | 5.16 | 13.05 | 6.38 | 788 | 60 | 0.87 | 5.91 | 3.98 | 11.10 | 32.0 | 27.6 | 33 | 1.49 | 2180 |
| R614160 | | 0.99 | 0.05 | 0.16 | 5.88 | 1135 | 870 | 1.82 | 1.27 | 0.89 | <0.02 | 145.0 | 12.6 | 60 | 3.14 | 8.1 |

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

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**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227699

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R614121 | | 4.68 | 17.75 | 0.15 | 2.4 | 0.066 | 2.62 | 47.6 | 14.6 | 2.33 | 1190 | 6.05 | 0.07 | 27.6 | 49.6 | 2240 |
| R614122 | | 6.43 | 2.42 | 0.05 | 0.3 | 0.045 | 0.29 | 6.3 | 1.9 | 0.30 | 424 | 1.34 | 0.02 | 1.9 | 17.4 | 300 |
| R614123 | | 7.18 | 2.91 | 0.07 | 0.4 | 0.043 | 0.34 | 7.8 | 2.2 | 0.34 | 492 | 1.81 | 0.02 | 2.6 | 20.2 | 340 |
| R614124 | | 6.19 | 17.60 | 0.15 | 2.5 | 0.118 | 1.87 | 57.8 | 10.9 | 1.81 | 1300 | 5.47 | 0.15 | 22.0 | 30.3 | 2460 |
| R614125 | | 4.47 | 7.43 | 0.07 | 1.0 | 0.019 | 0.91 | 17.1 | 5.6 | 0.88 | 553 | 2.78 | 0.05 | 8.8 | 23.4 | 740 |
| R614126 | | 4.30 | 19.60 | 0.15 | 2.8 | 0.044 | 3.14 | 48.8 | 15.3 | 2.07 | 926 | 9.48 | 0.04 | 30.4 | 70.8 | 2310 |
| R614127 | | 4.26 | 16.10 | 0.13 | 2.6 | 0.029 | 2.65 | 41.4 | 12.4 | 2.20 | 968 | 9.86 | 0.04 | 26.5 | 49.0 | 2860 |
| R614128 | | 3.89 | 16.95 | 0.14 | 3.0 | 0.064 | 2.95 | 41.4 | 11.8 | 1.74 | 796 | 10.10 | 0.04 | 32.3 | 56.2 | 1790 |
| R614129 | | 16.85 | 6.79 | 0.12 | 1.1 | 0.058 | 1.08 | 15.9 | 4.1 | 1.29 | 968 | 2.84 | 0.02 | 10.5 | 57.0 | 1120 |
| R614130 | | 0.22 | 0.61 | 0.06 | 0.2 | <0.005 | 0.04 | 1.2 | 1.1 | 1.60 | 117 | 0.07 | 0.08 | 0.2 | 0.9 | 70 |
| R614131 | | 3.38 | 16.20 | 0.15 | 2.7 | 0.047 | 2.74 | 43.7 | 10.5 | 1.90 | 783 | 6.88 | 0.04 | 31.2 | 38.1 | 2240 |
| R614132 | | 4.05 | 13.45 | 0.11 | 2.5 | 0.033 | 2.41 | 37.8 | 9.1 | 1.96 | 845 | 5.55 | 0.04 | 26.2 | 37.7 | 1790 |
| R614133 | | 3.84 | 19.25 | 0.15 | 3.4 | 0.059 | 3.26 | 44.7 | 11.1 | 1.50 | 692 | 3.95 | 0.05 | 33.4 | 50.7 | 1530 |
| R614134 | | 4.15 | 19.20 | 0.14 | 3.1 | 0.068 | 3.30 | 48.8 | 11.9 | 1.71 | 683 | 3.99 | 0.05 | 33.1 | 45.3 | 1800 |
| R614135 | | 4.53 | 19.25 | 0.16 | 3.1 | 0.066 | 3.28 | 45.9 | 12.4 | 1.71 | 707 | 4.32 | 0.05 | 32.9 | 45.0 | 1880 |
| R614136 | | 5.64 | 19.20 | 0.16 | 2.7 | 0.062 | 3.12 | 39.6 | 14.3 | 1.78 | 995 | 1.72 | 0.05 | 27.2 | 61.4 | 1350 |
| R614137 | | 4.98 | 25.4 | 0.19 | 4.1 | 0.089 | 4.07 | 55.1 | 16.3 | 1.43 | 434 | 3.50 | 0.07 | 44.6 | 72.8 | 1930 |
| R614138 | | 4.24 | 24.0 | 0.17 | 3.1 | 0.085 | 4.02 | 55.3 | 14.8 | 1.39 | 465 | 1.57 | 0.07 | 37.2 | 53.5 | 1650 |
| R614139 | | 3.36 | 5.65 | 0.07 | 0.7 | 0.033 | 0.90 | 13.9 | 4.7 | 2.27 | 1280 | 0.67 | 0.02 | 6.2 | 15.5 | 980 |
| R614140 | | 3.95 | 22.6 | 0.19 | 3.1 | 0.073 | 3.65 | 52.0 | 13.8 | 1.50 | 563 | 1.96 | 0.06 | 33.5 | 52.5 | 1510 |
| R614141 | | 4.14 | 23.0 | 0.19 | 3.0 | 0.070 | 3.82 | 51.4 | 14.7 | 1.40 | 478 | 1.77 | 0.07 | 31.8 | 48.5 | 1690 |
| R614142 | | 5.44 | 24.3 | 0.19 | 3.1 | 0.069 | 3.63 | 64.4 | 16.7 | 1.72 | 551 | 0.55 | 0.07 | 38.1 | 37.3 | 2240 |
| R614143 | | 7.31 | 17.05 | 0.15 | 1.4 | 0.048 | 1.83 | 53.6 | 10.8 | 2.09 | 893 | 0.64 | 0.04 | 33.3 | 60.7 | 2150 |
| R614144 | | 5.68 | 19.65 | 0.23 | 2.5 | 0.086 | 2.93 | 53.0 | 15.6 | 1.92 | 739 | 1.27 | 0.06 | 28.6 | 53.4 | 1650 |
| R614145 | | 4.48 | 14.30 | 0.20 | 2.4 | 0.062 | 2.19 | 39.6 | 11.7 | 1.79 | 753 | 4.49 | 0.04 | 30.6 | 48.2 | 2070 |
| R614146 | | 4.85 | 13.10 | 0.16 | 1.8 | 0.045 | 1.43 | 33.0 | 13.2 | 1.01 | 477 | 2.12 | 0.03 | 21.2 | 45.4 | 1310 |
| R614147 | | 6.94 | 16.45 | 0.16 | 2.9 | 0.045 | 1.84 | 43.5 | 14.4 | 1.26 | 311 | 8.24 | 0.06 | 26.3 | 64.0 | 2310 |
| R614148 | | 3.41 | 24.7 | 0.21 | 3.6 | 0.054 | 3.24 | 68.5 | 26.5 | 0.77 | 545 | 2.92 | 0.07 | 46.0 | 48.2 | 1900 |
| R614149 | | 5.86 | 23.2 | 0.22 | 3.7 | 0.041 | 3.14 | 63.3 | 18.7 | 0.84 | 445 | 2.72 | 0.09 | 44.4 | 55.8 | 2050 |
| R614150 | | 4.03 | 15.95 | 0.15 | 2.3 | 0.040 | 2.03 | 44.2 | 12.3 | 0.76 | 404 | 1.23 | 0.08 | 24.0 | 29.7 | 1140 |
| R614151 | | 8.11 | 11.25 | 0.24 | 2.1 | 0.038 | 0.90 | 98.9 | 6.5 | 0.85 | 729 | 1.87 | 0.15 | 23.4 | 26.1 | 1310 |
| R614152 | | 6.45 | 16.65 | 0.16 | 1.8 | 0.061 | 3.06 | 20.2 | 41.1 | 1.10 | 1400 | 3.32 | 0.35 | 7.1 | 12.8 | 1870 |
| R614153 | | 2.34 | 19.45 | 0.20 | 2.7 | 0.042 | 2.97 | 58.8 | 16.1 | 1.67 | 665 | 0.85 | 0.07 | 43.4 | 23.2 | 1640 |
| R614154 | | 3.56 | 3.82 | 0.05 | 0.5 | 0.017 | 0.66 | 6.4 | 3.2 | 1.15 | 772 | 0.93 | 0.02 | 7.1 | 54.9 | 430 |
| R614155 | | 2.52 | 20.4 | 0.19 | 2.8 | 0.054 | 3.49 | 58.3 | 14.0 | 2.07 | 775 | 1.29 | 0.06 | 57.7 | 27.0 | 1830 |
| R614156 | | 3.29 | 18.30 | 0.19 | 2.7 | 0.057 | 3.35 | 52.6 | 12.5 | 2.29 | 962 | 0.96 | 0.05 | 48.7 | 28.8 | 1510 |
| R614157 | | 3.41 | 24.6 | 0.23 | 4.0 | 0.051 | 3.90 | 68.8 | 17.9 | 1.80 | 623 | 1.85 | 0.09 | 56.8 | 37.1 | 2160 |
| R614158 | | 4.27 | 15.60 | 0.19 | 2.3 | 0.035 | 2.13 | 47.6 | 10.4 | 1.47 | 728 | 2.69 | 0.09 | 27.3 | 52.9 | 3700 |
| R614159 | | 11.00 | 15.60 | 0.16 | 1.1 | 1.170 | 2.00 | 15.8 | 11.8 | 1.30 | 1070 | 34.4 | 1.80 | 3.6 | 17.5 | 1130 |
| R614160 | | 3.06 | 20.3 | 0.23 | 3.2 | 0.033 | 2.37 | 77.3 | 10.5 | 0.92 | 234 | 5.00 | 0.15 | 26.6 | 18.2 | 2030 |

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

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**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227699

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R614121 | | 3.5 | 109.5 | 0.006 | 2.02 | 1.99 | 13.7 | 2 | 27.1 | 48.8 | 1.40 | 0.15 | 8.43 | 0.474 | 0.46 | 4.5 |
| R614122 | | 3.5 | 11.6 | <0.002 | 4.18 | 1.01 | 1.9 | 2 | 4.0 | 6.5 | 0.10 | 0.20 | 1.09 | 0.041 | 0.06 | 0.6 |
| R614123 | | 3.8 | 13.6 | <0.002 | 4.39 | 1.10 | 2.2 | 2 | 4.9 | 7.6 | 0.14 | 0.15 | 1.36 | 0.052 | 0.07 | 0.8 |
| R614124 | | 3.0 | 81.6 | 0.007 | 2.11 | 1.62 | 16.8 | 2 | 27.6 | 42.8 | 1.07 | 0.05 | 9.45 | 0.380 | 0.33 | 3.7 |
| R614125 | | 2.7 | 40.9 | <0.002 | 2.19 | 0.68 | 5.6 | 2 | 11.9 | 19.9 | 0.45 | 0.07 | 3.39 | 0.179 | 0.15 | 1.8 |
| R614126 | | 3.1 | 132.0 | 0.008 | 2.24 | 1.80 | 16.3 | 3 | 29.5 | 50.1 | 1.53 | 0.09 | 8.17 | 0.524 | 0.52 | 6.4 |
| R614127 | | 3.8 | 109.5 | 0.013 | 2.20 | 1.36 | 12.5 | 3 | 20.8 | 66.1 | 1.37 | 0.14 | 6.98 | 0.459 | 0.48 | 7.0 |
| R614128 | | 6.8 | 121.5 | 0.011 | 2.18 | 2.17 | 14.2 | 2 | 18.5 | 52.9 | 1.64 | 0.28 | 7.70 | 0.548 | 0.58 | 6.7 |
| R614129 | | 4.9 | 48.6 | 0.005 | >10.0 | 1.15 | 6.7 | 4 | 9.1 | 34.1 | 0.59 | 0.27 | 2.69 | 0.188 | 0.24 | 2.1 |
| R614130 | | 1.2 | 1.1 | <0.002 | 0.02 | 0.08 | 0.3 | 1 | <0.2 | 87.7 | <0.05 | <0.05 | 0.12 | 0.007 | <0.02 | 0.2 |
| R614131 | | 5.5 | 115.5 | 0.009 | 1.68 | 2.15 | 12.8 | 1 | 19.0 | 55.3 | 1.59 | 0.29 | 7.78 | 0.519 | 0.53 | 6.1 |
| R614132 | | 4.5 | 100.0 | 0.005 | 1.99 | 1.24 | 11.1 | 2 | 16.5 | 60.1 | 1.37 | 0.14 | 6.68 | 0.447 | 0.51 | 5.4 |
| R614133 | | 3.4 | 137.0 | 0.006 | 1.54 | 0.96 | 14.5 | 3 | 21.0 | 58.1 | 1.70 | <0.05 | 9.41 | 0.668 | 0.63 | 5.2 |
| R614134 | | 4.2 | 143.0 | 0.005 | 1.61 | 1.13 | 15.7 | 3 | 20.9 | 64.2 | 1.71 | <0.05 | 9.39 | 0.636 | 0.62 | 4.3 |
| R614135 | | 4.3 | 143.0 | 0.006 | 1.60 | 1.06 | 14.4 | 2 | 20.6 | 65.2 | 1.67 | 0.05 | 9.43 | 0.633 | 0.66 | 4.7 |
| R614136 | | 3.4 | 141.0 | 0.002 | 2.76 | 1.23 | 13.5 | 4 | 18.7 | 80.0 | 1.35 | 0.05 | 8.50 | 0.604 | 0.62 | 3.2 |
| R614137 | | 5.1 | 184.0 | 0.004 | 1.88 | 1.56 | 20.5 | 3 | 23.7 | 64.6 | 2.19 | 0.07 | 11.95 | 0.959 | 0.81 | 4.5 |
| R614138 | | 3.1 | 171.5 | 0.004 | 1.40 | 1.00 | 17.9 | 2 | 18.8 | 63.6 | 1.84 | 0.06 | 11.80 | 0.848 | 0.85 | 3.7 |
| R614139 | | 2.6 | 41.7 | <0.002 | 0.59 | 0.26 | 5.7 | 1 | 4.7 | 71.2 | 0.32 | <0.05 | 2.43 | 0.160 | 0.18 | 0.9 |
| R614140 | | 3.7 | 160.0 | 0.002 | 1.23 | 1.15 | 17.4 | 2 | 15.9 | 68.6 | 1.66 | 0.05 | 11.00 | 0.734 | 0.69 | 3.4 |
| R614141 | | 3.4 | 164.5 | 0.004 | 1.32 | 1.09 | 17.5 | 2 | 14.5 | 59.0 | 1.60 | <0.05 | 11.50 | 0.732 | 0.79 | 3.5 |
| R614142 | | 2.5 | 157.5 | <0.002 | 1.52 | 0.72 | 20.5 | 2 | 15.6 | 47.3 | 1.84 | <0.05 | 11.35 | 0.710 | 0.73 | 3.1 |
| R614143 | | 4.3 | 76.4 | <0.002 | 2.48 | 1.55 | 14.5 | 3 | 11.7 | 48.3 | 1.47 | 0.07 | 7.52 | 0.563 | 0.33 | 2.1 |
| R614144 | | 6.7 | 127.0 | 0.004 | 1.76 | 2.98 | 15.8 | 1 | 14.0 | 43.8 | 1.51 | 0.06 | 12.00 | 0.652 | 0.67 | 2.7 |
| R614145 | | 3.5 | 90.6 | 0.007 | 1.99 | 1.53 | 11.6 | 2 | 9.4 | 58.3 | 1.60 | 0.05 | 8.15 | 0.511 | 0.46 | 4.0 |
| R614146 | | 11.7 | 61.4 | 0.002 | 3.07 | 10.70 | 10.2 | 2 | 18.3 | 25.0 | 1.03 | 0.07 | 6.95 | 0.425 | 0.60 | 3.1 |
| R614147 | | 4.2 | 71.1 | 0.011 | 4.39 | 28.9 | 13.8 | 5 | 28.2 | 28.9 | 1.37 | 0.33 | 8.61 | 0.444 | 0.83 | 6.0 |
| R614148 | | 3.0 | 124.5 | 0.005 | 1.11 | 4.63 | 18.1 | 1 | 32.2 | 35.5 | 2.34 | 0.16 | 14.15 | 0.753 | 0.61 | 3.8 |
| R614149 | | 3.3 | 122.0 | 0.005 | 3.85 | 12.30 | 16.4 | 4 | 40.4 | 36.3 | 2.18 | 0.27 | 13.60 | 0.825 | 0.65 | 3.6 |
| R614150 | | 3.6 | 79.0 | 0.004 | 2.68 | 11.15 | 12.2 | 2 | 24.8 | 42.2 | 1.25 | 0.10 | 9.17 | 0.441 | 0.43 | 2.3 |
| R614151 | | 5.7 | 34.1 | 0.002 | 5.73 | 6.89 | 8.8 | 3 | 16.0 | 30.4 | 1.20 | 0.19 | 10.65 | 0.348 | 0.26 | 2.4 |
| R614152 | | 34.0 | 110.0 | <0.002 | 4.19 | 27.0 | 22.2 | 16 | 2.0 | 181.0 | 0.36 | 0.11 | 4.15 | 0.422 | 2.06 | 2.0 |
| R614153 | | 1.7 | 111.5 | 0.002 | 0.88 | 2.17 | 13.4 | 1 | 22.9 | 45.8 | 2.18 | 0.10 | 11.40 | 0.660 | 0.50 | 2.5 |
| R614154 | | 2.8 | 25.1 | <0.002 | 1.64 | 1.00 | 2.7 | 1 | 5.7 | 25.3 | 0.33 | 0.22 | 1.37 | 0.109 | 0.14 | 0.7 |
| R614155 | | 1.8 | 134.0 | 0.002 | 0.95 | 2.01 | 15.2 | 1 | 20.8 | 59.9 | 2.85 | <0.05 | 12.05 | 0.840 | 0.60 | 2.6 |
| R614156 | | 2.8 | 125.5 | 0.002 | 1.15 | 0.98 | 14.0 | 1 | 16.8 | 59.0 | 2.41 | <0.05 | 11.30 | 0.698 | 0.55 | 2.4 |
| R614157 | | 2.1 | 143.0 | 0.004 | 1.65 | 1.63 | 20.3 | 1 | 33.7 | 46.4 | 2.89 | 0.10 | 12.00 | 1.085 | 0.63 | 3.5 |
| R614158 | | 7.4 | 81.9 | 0.006 | 1.60 | 4.39 | 12.6 | 2 | 23.2 | 53.3 | 1.42 | 0.19 | 10.50 | 0.520 | 0.39 | 2.6 |
| R614159 | | 845 | 54.7 | 0.023 | 7.86 | 71.5 | 10.3 | 24 | 4.2 | 478 | 0.20 | 0.62 | 3.65 | 0.245 | 4.26 | 2.0 |
| R614160 | | 2.7 | 97.1 | 0.010 | 1.43 | 4.05 | 13.1 | 1 | 33.4 | 30.4 | 1.36 | 0.12 | 14.95 | 0.507 | 0.48 | 3.6 |

***** See Appendix Page for comments regarding this certificate *****

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 27-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227699

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R614121 | | 138 | 7.2 | 16.3 | 8 | 105.0 |
| R614122 | | 18 | 1.0 | 2.5 | 8 | 11.9 |
| R614123 | | 22 | 1.2 | 2.7 | 9 | 14.3 |
| R614124 | | 129 | 7.6 | 15.7 | 10 | 111.5 |
| R614125 | | 54 | 3.2 | 5.3 | 9 | 46.4 |
| R614126 | | 185 | 8.1 | 16.3 | 8 | 124.0 |
| R614127 | | 203 | 6.5 | 16.2 | 12 | 115.5 |
| R614128 | | 212 | 6.0 | 15.4 | 15 | 132.0 |
| R614129 | | 76 | 2.7 | 11.5 | 10 | 49.9 |
| R614130 | | 2 | 0.1 | 2.6 | 6 | 5.1 |
| R614131 | | 187 | 5.8 | 15.2 | 11 | 120.5 |
| R614132 | | 152 | 5.0 | 14.7 | 12 | 112.0 |
| R614133 | | 169 | 5.9 | 16.8 | 13 | 143.0 |
| R614134 | | 169 | 5.7 | 18.3 | 14 | 130.5 |
| R614135 | | 169 | 5.6 | 19.2 | 17 | 134.0 |
| R614136 | | 135 | 5.6 | 18.5 | 16 | 113.5 |
| R614137 | | 185 | 7.3 | 23.6 | 18 | 180.5 |
| R614138 | | 159 | 5.7 | 21.4 | 18 | 140.0 |
| R614139 | | 39 | 1.4 | 14.8 | 17 | 28.3 |
| R614140 | | 153 | 5.1 | 19.7 | 21 | 132.5 |
| R614141 | | 159 | 4.3 | 19.5 | 20 | 143.0 |
| R614142 | | 172 | 4.4 | 25.4 | 31 | 138.5 |
| R614143 | | 127 | 4.7 | 18.8 | 35 | 67.9 |
| R614144 | | 160 | 4.3 | 17.9 | 33 | 101.0 |
| R614145 | | 150 | 2.9 | 16.1 | 21 | 114.0 |
| R614146 | | 128 | 7.6 | 11.9 | 37 | 81.6 |
| R614147 | | 176 | 14.5 | 15.6 | 11 | 124.0 |
| R614148 | | 184 | 12.7 | 16.0 | 10 | 149.5 |
| R614149 | | 160 | 11.2 | 15.3 | 9 | 157.5 |
| R614150 | | 108 | 7.1 | 10.9 | 9 | 92.9 |
| R614151 | | 73 | 5.5 | 12.5 | 12 | 86.1 |
| R614152 | | 207 | 2.0 | 15.5 | 148 | 66.6 |
| R614153 | | 117 | 6.4 | 14.8 | 7 | 109.0 |
| R614154 | | 23 | 1.5 | 5.2 | 10 | 24.9 |
| R614155 | | 134 | 6.2 | 18.9 | 9 | 116.0 |
| R614156 | | 123 | 4.9 | 16.2 | 10 | 117.0 |
| R614157 | | 197 | 10.0 | 19.1 | 9 | 191.0 |
| R614158 | | 128 | 8.4 | 17.3 | 10 | 91.4 |
| R614159 | | 137 | 7.6 | 11.4 | 2160 | 34.3 |
| R614160 | | 154 | 7.1 | 14.8 | 10 | 128.5 |

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 27-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227699

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 22-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20227707

Project: Rau

P.O. No.: R20-D51

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 22-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227707

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R614161 | | 5.70 | 0.04 | 0.04 | 8.80 | 275 | 1610 | 2.92 | 1.86 | 0.86 | <0.02 | 169.5 | 6.3 | 95 | 5.94 | 3.6 |
| R614162 | | 11.14 | 0.49 | 0.11 | 6.91 | 365 | 400 | 2.33 | 5.05 | 3.07 | <0.02 | 103.0 | 27.9 | 74 | 4.62 | 10.1 |
| R614163 | | 4.60 | 0.20 | 0.06 | 6.95 | 245 | 1130 | 2.28 | 3.13 | 3.04 | <0.02 | 90.7 | 13.4 | 75 | 4.66 | 20.5 |
| R614164 | | 1.49 | 3.09 | 7.97 | 2.60 | >10000 | 20 | 0.82 | 123.5 | 2.15 | 0.03 | 35.3 | 153.5 | 37 | 1.71 | 53.1 |
| R614165 | | 6.05 | 0.09 | 0.08 | 6.87 | 269 | 960 | 2.20 | 2.91 | 3.02 | 0.02 | 93.4 | 19.8 | 61 | 4.96 | 35.6 |
| R614166 | | 3.89 | 0.08 | 0.12 | 4.27 | 1050 | 610 | 1.13 | 2.14 | 0.44 | 0.05 | 71.1 | 9.3 | 37 | 2.29 | 10.8 |
| R614167 | | 6.27 | 0.46 | 0.15 | 7.20 | 4340 | 240 | 2.14 | 10.10 | 2.17 | <0.02 | 131.5 | 42.5 | 77 | 4.00 | 9.6 |
| R614168 | | 3.06 | 0.22 | 0.08 | 7.41 | 235 | 1110 | 2.31 | 3.58 | 2.14 | 0.02 | 93.4 | 16.1 | 72 | 5.34 | 36.2 |
| R614169 | | 2.47 | 0.23 | 0.17 | 3.26 | 1925 | 70 | 0.97 | 1.15 | 4.05 | 0.03 | 53.6 | 40.1 | 38 | 2.08 | 20.4 |
| R614170 | | 6.29 | 0.14 | 0.07 | 6.89 | 249 | 300 | 2.13 | 4.35 | 3.46 | <0.02 | 90.8 | 16.1 | 65 | 4.63 | 45.2 |
| R614171 | | 0.16 | 0.84 | 68.7 | 5.62 | 147.5 | 1990 | 1.42 | 1.51 | 4.07 | 4.62 | 24.1 | 4.6 | 21 | 1.20 | 501 |
| R614172 | | 4.08 | 0.02 | 0.10 | 7.66 | 145.0 | 1580 | 2.58 | 4.93 | 2.60 | <0.02 | 103.5 | 5.7 | 85 | 5.37 | 19.6 |
| R614173 | | 1.22 | 0.17 | 0.10 | 6.99 | 477 | 240 | 2.31 | 6.44 | 4.42 | <0.02 | 97.6 | 20.2 | 71 | 4.47 | 12.5 |
| R614174 | | 3.48 | 0.07 | 0.06 | 7.81 | 397 | 1430 | 2.59 | 1.39 | 3.71 | <0.02 | 143.0 | 7.1 | 71 | 5.08 | 3.6 |
| R614175 | | 2.02 | 0.11 | 0.07 | 4.53 | 1005 | 710 | 1.54 | 3.34 | 4.06 | <0.02 | 92.4 | 19.8 | 45 | 2.92 | 4.6 |
| R614176 | | 3.73 | 0.23 | 0.05 | 6.51 | 477 | 1190 | 2.08 | 1.99 | 5.01 | <0.02 | 99.7 | 7.2 | 59 | 3.98 | 3.5 |
| R614177 | | 0.79 | 1.45 | 0.22 | 5.05 | 8620 | 50 | 1.84 | 3.28 | 5.77 | 0.02 | 74.4 | 59.7 | 36 | 2.97 | 16.7 |
| R614178 | | 2.48 | 0.02 | 0.02 | 6.67 | 930 | 1110 | 1.88 | 0.76 | 1.27 | <0.02 | 143.5 | 9.0 | 53 | 3.02 | 2.3 |
| R614179 | | 0.68 | 0.06 | 0.11 | 1.21 | 1490 | 110 | 0.35 | 4.55 | 9.80 | 0.09 | 31.6 | 59.4 | 9 | 0.73 | 34.0 |
| R614180 | | 2.00 | <0.01 | <0.01 | 0.12 | 3.7 | 30 | 0.08 | 0.03 | 33.8 | <0.02 | 1.18 | 0.7 | 1 | <0.05 | 1.4 |
| R614181 | | 2.39 | 0.02 | 0.06 | 6.74 | 1120 | 480 | 1.80 | 3.15 | 2.05 | <0.02 | 119.0 | 15.7 | 49 | 3.47 | 6.8 |
| R614182 | | 6.74 | 0.04 | 0.06 | 6.89 | 521 | 1300 | 1.88 | 2.13 | 3.09 | <0.02 | 112.0 | 20.7 | 52 | 4.68 | 18.2 |
| R614183 | | 6.96 | 0.09 | 0.03 | 7.17 | 16.4 | 1450 | 2.46 | 0.94 | 3.58 | <0.02 | 102.5 | 5.8 | 53 | 5.76 | 29.6 |
| R614184 | | 2.20 | 0.05 | 0.20 | 6.16 | 445 | 160 | 2.28 | 7.46 | 2.95 | 0.04 | 79.7 | 34.7 | 48 | 4.93 | 140.0 |
| R614185 | | 1.66 | 0.02 | 0.26 | 6.98 | 1085 | 180 | 2.42 | 2.42 | 6.77 | 0.28 | 122.0 | 37.4 | 46 | 5.70 | 137.5 |
| R614186 | | 1.49 | 0.02 | 0.11 | 8.17 | 851 | 320 | 2.58 | 1.29 | 5.68 | 0.13 | 109.5 | 25.8 | 56 | 6.08 | 85.3 |
| R614187 | | 3.94 | 0.01 | <0.01 | 9.14 | 1640 | 1890 | 3.16 | 0.46 | 1.56 | <0.02 | 110.5 | 21.1 | 56 | 6.13 | 7.7 |
| R614188 | | 3.22 | 0.06 | 0.04 | 6.75 | 89.2 | 1390 | 2.27 | 1.83 | 3.27 | 0.03 | 85.6 | 7.9 | 124 | 5.85 | 40.1 |
| R614189 | | 5.66 | 0.16 | 0.04 | 7.88 | 9.5 | 1610 | 2.51 | 1.73 | 1.62 | <0.02 | 100.5 | 13.1 | 100 | 10.35 | 46.7 |
| R614190 | | 0.84 | 0.23 | 0.09 | 0.34 | 6470 | 60 | 0.15 | 0.86 | 2.22 | 0.09 | 8.70 | 91.3 | 18 | 0.80 | 112.0 |
| R614191 | | 5.44 | 0.12 | 0.02 | 7.66 | 15.6 | 1630 | 2.31 | 0.79 | 1.83 | 0.03 | 97.4 | 7.4 | 55 | 14.20 | 22.4 |
| R614192 | | 2.89 | 0.18 | 0.02 | 7.64 | 13.1 | 1470 | 2.27 | 0.95 | 2.18 | 0.02 | 97.9 | 9.1 | 53 | 15.75 | 39.4 |
| R614193 | | 2.01 | 0.06 | 0.03 | 7.54 | 38.3 | 1380 | 2.49 | 0.89 | 4.05 | 0.02 | 96.9 | 5.0 | 67 | 6.10 | 24.3 |
| R614194 | | 0.76 | 3.89 | 0.67 | 3.36 | >10000 | 30 | 1.20 | 5.36 | 3.51 | 0.21 | 65.0 | 296 | 33 | 2.76 | 194.0 |
| R614195 | | <0.02 | 3.90 | 0.91 | 3.34 | >10000 | 30 | 1.18 | 5.24 | 3.42 | 0.25 | 62.4 | 288 | 31 | 2.73 | 200 |
| R614196 | | 5.13 | 0.05 | 0.01 | 8.71 | 547 | 1730 | 3.17 | 1.61 | 3.30 | <0.02 | 108.5 | 11.5 | 76 | 6.75 | 13.8 |
| R614197 | | 2.79 | 0.12 | 0.01 | 9.13 | 833 | 1820 | 3.75 | 1.87 | 4.14 | 0.32 | 133.5 | 17.2 | 79 | 7.11 | 15.9 |
| R614198 | | 1.24 | 3.11 | 0.54 | 4.64 | 5890 | 40 | 1.70 | 5.71 | 2.76 | 0.04 | 59.4 | 108.5 | 42 | 3.25 | 138.0 |
| R614199 | | 1.84 | 0.03 | <0.01 | 6.95 | 770 | 1250 | 2.40 | 1.23 | 1.70 | <0.02 | 112.0 | 8.8 | 63 | 4.58 | 6.9 |
| R614200 | | 0.16 | 4.97 | 11.75 | 5.93 | 718 | 50 | 0.78 | 5.14 | 3.91 | 11.00 | 28.2 | 27.0 | 29 | 1.42 | 2130 |

***** See Appendix Page for comments regarding this certificate *****

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Project: Rau

# CERTIFICATE OF ANALYSIS WH20227707

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R614161 | | 2.29 | 29.4 | 0.29 | 4.5 | 0.056 | 4.23 | 90.9 | 16.6 | 0.93 | 245 | 3.32 | 0.12 | 38.8 | 23.9 | 2400 |
| R614162 | | 3.84 | 21.1 | 0.20 | 3.6 | 0.053 | 3.47 | 55.6 | 15.8 | 1.76 | 710 | 4.66 | 0.07 | 25.3 | 63.3 | 2590 |
| R614163 | | 3.25 | 20.4 | 0.19 | 3.6 | 0.053 | 3.43 | 48.7 | 14.4 | 1.85 | 730 | 3.46 | 0.08 | 25.8 | 39.7 | 1770 |
| R614164 | | 20.5 | 7.41 | 0.15 | 1.2 | 0.031 | 1.26 | 18.8 | 4.5 | 1.14 | 703 | 0.75 | 0.04 | 7.4 | 103.5 | 470 |
| R614165 | | 3.28 | 20.0 | 0.17 | 3.5 | 0.060 | 3.38 | 50.3 | 11.5 | 1.73 | 724 | 3.76 | 0.08 | 28.7 | 47.5 | 1600 |
| R614166 | | 3.13 | 12.80 | 0.13 | 2.0 | 0.036 | 1.57 | 39.0 | 15.4 | 0.50 | 290 | 0.67 | 0.04 | 28.7 | 19.1 | 1550 |
| R614167 | | 6.17 | 23.8 | 0.21 | 3.6 | 0.050 | 3.27 | 68.9 | 18.3 | 1.50 | 684 | 3.30 | 0.10 | 33.0 | 77.9 | 2140 |
| R614168 | | 2.82 | 21.4 | 0.18 | 4.0 | 0.053 | 3.63 | 51.0 | 12.5 | 1.35 | 441 | 3.67 | 0.09 | 29.5 | 51.5 | 1670 |
| R614169 | | 7.64 | 9.10 | 0.12 | 1.4 | 0.027 | 1.40 | 28.9 | 5.8 | 1.68 | 952 | 2.09 | 0.04 | 11.1 | 26.5 | 840 |
| R614170 | | 4.20 | 20.0 | 0.17 | 3.4 | 0.060 | 3.48 | 48.9 | 15.6 | 2.01 | 853 | 3.32 | 0.07 | 27.6 | 53.1 | 1810 |
| R614171 | | 2.34 | 10.55 | 0.09 | 1.7 | 0.030 | 1.52 | 12.6 | 16.1 | 0.45 | 1000 | 43.5 | 2.42 | 5.6 | 11.0 | 390 |
| R614172 | | 2.54 | 24.1 | 0.20 | 4.0 | 0.053 | 3.93 | 55.5 | 20.8 | 1.67 | 592 | 3.06 | 0.08 | 27.6 | 37.6 | 1700 |
| R614173 | | 5.34 | 21.9 | 0.19 | 3.6 | 0.046 | 3.37 | 51.7 | 16.9 | 2.30 | 1360 | 3.33 | 0.09 | 29.5 | 36.1 | 2020 |
| R614174 | | 3.09 | 24.5 | 0.24 | 4.1 | 0.045 | 3.83 | 76.9 | 22.0 | 2.07 | 862 | 1.77 | 0.10 | 56.5 | 22.2 | 1990 |
| R614175 | | 3.22 | 13.55 | 0.17 | 2.0 | 0.033 | 2.27 | 49.4 | 15.5 | 1.98 | 964 | 1.33 | 0.05 | 29.9 | 27.0 | 1510 |
| R614176 | | 2.65 | 20.9 | 0.19 | 3.1 | 0.042 | 3.18 | 54.2 | 20.4 | 2.00 | 806 | 1.71 | 0.08 | 43.7 | 25.6 | 1740 |
| R614177 | | 10.55 | 14.70 | 0.17 | 2.3 | 0.036 | 2.36 | 38.9 | 14.4 | 1.66 | 708 | 0.86 | 0.07 | 31.9 | 42.8 | 1130 |
| R614178 | | 2.27 | 22.5 | 0.22 | 3.2 | 0.034 | 2.74 | 73.8 | 11.7 | 0.83 | 115 | 1.19 | 0.17 | 55.9 | 14.8 | 2060 |
| R614179 | | 23.9 | 3.70 | 0.12 | 0.5 | 0.025 | 0.43 | 15.3 | 3.8 | 5.44 | 2500 | 0.16 | 0.05 | 6.9 | 47.6 | 430 |
| R614180 | | 0.19 | 0.40 | 0.07 | 0.1 | <0.005 | 0.04 | 1.2 | 0.9 | 1.51 | 120 | 0.05 | 0.06 | 0.3 | 1.9 | 80 |
| R614181 | | 5.07 | 21.1 | 0.18 | 3.3 | 0.051 | 3.10 | 62.8 | 14.8 | 1.21 | 382 | 0.88 | 0.12 | 47.4 | 20.9 | 1830 |
| R614182 | | 3.04 | 19.85 | 0.18 | 3.1 | 0.053 | 3.42 | 59.9 | 16.0 | 1.62 | 551 | 1.42 | 0.09 | 50.9 | 26.3 | 1830 |
| R614183 | | 2.82 | 20.7 | 0.20 | 2.5 | 0.066 | 3.70 | 55.4 | 22.1 | 1.76 | 587 | 1.00 | 0.07 | 48.8 | 17.6 | 1690 |
| R614184 | | 8.65 | 17.95 | 0.15 | 2.8 | 0.051 | 3.01 | 43.5 | 21.0 | 1.55 | 516 | 9.56 | 0.07 | 34.5 | 55.3 | 1040 |
| R614185 | | 8.98 | 22.2 | 0.20 | 2.8 | 0.063 | 3.48 | 68.0 | 20.3 | 2.46 | 1410 | 4.38 | 0.09 | 31.2 | 49.1 | 1720 |
| R614186 | | 6.92 | 25.5 | 0.19 | 3.2 | 0.083 | 4.07 | 59.5 | 19.8 | 2.50 | 1250 | 6.20 | 0.10 | 36.7 | 34.8 | 2180 |
| R614187 | | 1.42 | 29.1 | 0.19 | 3.1 | 0.068 | 4.76 | 58.2 | 15.8 | 0.97 | 295 | 2.43 | 0.12 | 80.0 | 11.1 | 2190 |
| R614188 | | 3.34 | 20.2 | 0.16 | 3.0 | 0.055 | 3.49 | 45.8 | 20.3 | 1.63 | 634 | 3.37 | 0.08 | 36.1 | 50.2 | 2130 |
| R614189 | | 4.58 | 23.7 | 0.17 | 3.0 | 0.072 | 4.18 | 50.0 | 23.9 | 1.77 | 455 | 2.45 | 0.07 | 37.8 | 77.1 | 2070 |
| R614190 | | 6.45 | 1.18 | 0.06 | 0.1 | 0.008 | 0.16 | 5.0 | 2.1 | 0.35 | 371 | 0.55 | 0.01 | 1.5 | 45.4 | 100 |
| R614191 | | 5.83 | 22.3 | 0.16 | 1.8 | 0.074 | 4.30 | 52.0 | 30.6 | 2.42 | 1040 | 0.52 | 0.08 | 35.6 | 35.3 | 1800 |
| R614192 | | 5.56 | 24.1 | 0.18 | 1.9 | 0.075 | 4.22 | 51.6 | 30.6 | 2.53 | 1080 | 0.54 | 0.08 | 34.8 | 39.5 | 1690 |
| R614193 | | 2.60 | 22.6 | 0.20 | 2.7 | 0.058 | 3.79 | 54.5 | 19.0 | 1.85 | 836 | 0.44 | 0.10 | 33.0 | 19.3 | 1620 |
| R614194 | | 21.4 | 10.00 | 0.20 | 1.1 | 0.050 | 1.62 | 35.2 | 10.0 | 1.50 | 855 | 0.92 | 0.05 | 7.0 | 224 | 780 |
| R614195 | | 21.6 | 10.15 | 0.17 | 1.0 | 0.051 | 1.62 | 33.8 | 9.6 | 1.45 | 793 | 0.88 | 0.05 | 6.4 | 222 | 780 |
| R614196 | | 2.59 | 27.1 | 0.17 | 3.3 | 0.078 | 4.59 | 58.1 | 25.5 | 1.84 | 759 | 0.97 | 0.11 | 35.3 | 31.1 | 1710 |
| R614197 | | 2.74 | 31.9 | 0.23 | 3.9 | 0.101 | 4.81 | 72.6 | 35.1 | 2.23 | 1020 | 0.97 | 0.13 | 38.0 | 22.1 | 1680 |
| R614198 | | 14.05 | 14.95 | 0.15 | 1.7 | 0.049 | 2.18 | 32.5 | 16.4 | 1.44 | 757 | 0.57 | 0.09 | 9.7 | 74.8 | 1050 |
| R614199 | | 1.67 | 22.7 | 0.18 | 2.9 | 0.064 | 3.25 | 63.8 | 18.1 | 1.16 | 376 | 0.60 | 0.13 | 29.9 | 9.6 | 1720 |
| R614200 | | 10.30 | 15.10 | 0.16 | 0.9 | 1.120 | 1.88 | 14.4 | 10.3 | 1.20 | 1020 | 31.7 | 1.65 | 3.1 | 16.3 | 1040 |

***** See Appendix Page for comments regarding this certificate *****

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 22-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227707

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R614161 | | 1.9 | 172.5 | 0.018 | 0.77 | 0.98 | 20.5 | 1 | 36.2 | 40.6 | 2.09 | <0.05 | 16.85 | 0.757 | 0.72 | 4.8 |
| R614162 | | 3.3 | 137.5 | 0.022 | 2.69 | 1.80 | 15.8 | 3 | 22.1 | 50.1 | 1.41 | 0.13 | 12.00 | 0.516 | 0.62 | 5.5 |
| R614163 | | 2.3 | 140.0 | 0.018 | 1.48 | 1.03 | 15.6 | 2 | 19.3 | 56.7 | 1.40 | 0.09 | 11.90 | 0.524 | 0.58 | 4.7 |
| R614164 | | 9.4 | 50.4 | 0.003 | >10.0 | 7.01 | 5.6 | 9 | 7.5 | 23.7 | 0.39 | 2.55 | 3.83 | 0.144 | 0.28 | 2.2 |
| R614165 | | 2.6 | 137.5 | 0.008 | 1.55 | 1.21 | 15.4 | 2 | 18.4 | 57.2 | 1.53 | 0.07 | 12.35 | 0.555 | 0.65 | 4.9 |
| R614166 | | 2.7 | 58.6 | <0.002 | 1.66 | 4.59 | 10.4 | 1 | 16.1 | 24.5 | 1.52 | 0.10 | 6.52 | 0.414 | 0.45 | 2.0 |
| R614167 | | 3.3 | 128.0 | 0.008 | 3.63 | 3.62 | 17.1 | 3 | 33.7 | 44.9 | 1.64 | 0.32 | 12.50 | 0.683 | 0.64 | 3.7 |
| R614168 | | 2.7 | 147.0 | 0.011 | 1.39 | 1.19 | 16.4 | 2 | 20.0 | 50.3 | 1.56 | 0.09 | 13.00 | 0.577 | 0.70 | 5.6 |
| R614169 | | 2.9 | 59.4 | 0.005 | 5.91 | 4.07 | 7.5 | 3 | 10.6 | 67.1 | 0.56 | 0.24 | 4.61 | 0.213 | 0.44 | 2.4 |
| R614170 | | 2.6 | 139.5 | 0.014 | 2.90 | 1.40 | 15.8 | 3 | 21.3 | 49.3 | 1.40 | 0.09 | 11.20 | 0.553 | 0.64 | 4.2 |
| R614171 | | 368 | 40.6 | 0.008 | 0.43 | 42.0 | 5.5 | 2 | 1.9 | 238 | 0.38 | 0.40 | 3.26 | 0.170 | 0.67 | 1.5 |
| R614172 | | 3.5 | 156.5 | 0.019 | 1.03 | 0.98 | 17.6 | 2 | 31.1 | 41.4 | 1.48 | 0.08 | 13.55 | 0.528 | 0.68 | 4.7 |
| R614173 | | 4.3 | 133.5 | 0.019 | 3.48 | 1.48 | 17.6 | 2 | 35.7 | 48.0 | 1.49 | 0.06 | 11.40 | 0.561 | 0.60 | 5.3 |
| R614174 | | 2.6 | 149.0 | 0.006 | 1.15 | 0.92 | 17.9 | 1 | 38.9 | 58.4 | 2.86 | 0.05 | 14.45 | 0.836 | 0.61 | 4.3 |
| R614175 | | 3.1 | 86.2 | 0.002 | 1.57 | 0.88 | 10.2 | 1 | 21.9 | 41.7 | 1.51 | 0.08 | 9.19 | 0.447 | 0.38 | 2.1 |
| R614176 | | 1.8 | 122.5 | 0.003 | 0.86 | 1.14 | 14.0 | 1 | 26.4 | 72.1 | 2.16 | 0.06 | 12.05 | 0.682 | 0.48 | 3.6 |
| R614177 | | 3.2 | 91.7 | <0.002 | 8.89 | 6.46 | 11.2 | 5 | 17.9 | 102.0 | 1.67 | 0.50 | 8.65 | 0.485 | 0.49 | 6.3 |
| R614178 | | 1.7 | 97.7 | 0.002 | 0.87 | 0.70 | 15.8 | 1 | 26.7 | 60.7 | 2.75 | 0.12 | 13.50 | 0.846 | 0.44 | 4.2 |
| R614179 | | 5.5 | 16.7 | <0.002 | >10.0 | 1.23 | 11.0 | 3 | 4.4 | 66.7 | 0.33 | 0.16 | 2.15 | 0.108 | 0.11 | 0.6 |
| R614180 | | 0.5 | 0.9 | <0.002 | 0.02 | 0.08 | 0.2 | 1 | 0.2 | 104.0 | <0.05 | <0.05 | 0.15 | 0.006 | <0.02 | 0.2 |
| R614181 | | 2.7 | 111.0 | <0.002 | 2.20 | 0.96 | 14.9 | 1 | 20.3 | 48.2 | 2.43 | 0.16 | 12.80 | 0.742 | 0.47 | 3.4 |
| R614182 | | 2.1 | 131.0 | 0.002 | 1.07 | 0.87 | 15.1 | 1 | 18.6 | 58.6 | 2.56 | 0.06 | 12.40 | 0.772 | 0.63 | 3.1 |
| R614183 | | 3.1 | 151.5 | 0.002 | 0.74 | 0.78 | 17.4 | <1 | 16.4 | 62.6 | 2.46 | <0.05 | 10.95 | 0.740 | 0.69 | 2.4 |
| R614184 | | 10.3 | 133.0 | 0.002 | 4.31 | 2.92 | 13.9 | 3 | 13.3 | 52.1 | 1.64 | 0.15 | 9.39 | 0.544 | 0.66 | 3.8 |
| R614185 | | 7.3 | 161.0 | 0.004 | 4.19 | 1.14 | 20.4 | 2 | 19.9 | 87.6 | 1.57 | 0.15 | 9.08 | 0.488 | 0.62 | 3.7 |
| R614186 | | 11.3 | 183.0 | 0.007 | 3.14 | 0.79 | 23.3 | 2 | 23.9 | 84.4 | 1.86 | 0.10 | 11.95 | 0.578 | 0.72 | 3.9 |
| R614187 | | 1.7 | 202 | 0.003 | 0.35 | 1.36 | 23.2 | 1 | 31.0 | 54.1 | 3.90 | 0.18 | 12.75 | 1.210 | 0.85 | 3.7 |
| R614188 | | 2.2 | 146.5 | 0.004 | 1.07 | 0.87 | 15.3 | 1 | 17.5 | 57.0 | 1.89 | 0.05 | 10.10 | 0.775 | 0.65 | 3.3 |
| R614189 | | 3.0 | 187.0 | 0.005 | 1.19 | 0.88 | 19.0 | 1 | 19.7 | 40.8 | 1.88 | 0.05 | 11.10 | 0.878 | 0.98 | 3.1 |
| R614190 | | 3.6 | 7.5 | <0.002 | 3.29 | 1.46 | 1.1 | 2 | 0.8 | 21.1 | 0.08 | 0.35 | 0.49 | 0.039 | 0.08 | 0.3 |
| R614191 | | 3.2 | 189.0 | 0.005 | 0.76 | 0.60 | 20.0 | 1 | 17.0 | 59.4 | 1.73 | <0.05 | 10.60 | 0.709 | 1.14 | 1.9 |
| R614192 | | 1.4 | 203 | <0.002 | 0.92 | 0.50 | 20.9 | 1 | 19.2 | 45.7 | 1.72 | <0.05 | 10.95 | 0.655 | 1.14 | 1.6 |
| R614193 | | 1.9 | 166.0 | 0.008 | 0.63 | 0.57 | 20.4 | 1 | 17.0 | 64.0 | 1.68 | <0.05 | 11.60 | 0.653 | 0.73 | 2.6 |
| R614194 | | 11.3 | 74.1 | 0.005 | >10.0 | 8.45 | 8.7 | 9 | 7.3 | 35.5 | 0.37 | 4.63 | 5.13 | 0.160 | 0.31 | 1.4 |
| R614195 | | 14.3 | 75.2 | 0.003 | >10.0 | 7.93 | 8.6 | 9 | 7.2 | 35.0 | 0.34 | 4.51 | 4.99 | 0.146 | 0.31 | 1.4 |
| R614196 | | 3.9 | 183.0 | 0.008 | 0.77 | 1.09 | 21.6 | 1 | 26.9 | 58.3 | 1.86 | <0.05 | 12.85 | 0.691 | 0.80 | 3.0 |
| R614197 | | 2.9 | 175.5 | 0.009 | 0.93 | 1.69 | 24.7 | 1 | 39.8 | 59.8 | 2.00 | 0.09 | 14.45 | 0.706 | 0.91 | 3.9 |
| R614198 | | 4.9 | 97.9 | 0.004 | 7.08 | 1.30 | 11.6 | 4 | 15.1 | 37.1 | 0.51 | 0.45 | 7.71 | 0.221 | 0.42 | 3.4 |
| R614199 | | 1.8 | 140.5 | 0.006 | 0.46 | 0.58 | 17.7 | 1 | 23.3 | 42.3 | 1.44 | 0.07 | 13.10 | 0.574 | 0.54 | 3.1 |
| R614200 | | 795 | 58.4 | 0.020 | 7.29 | 69.3 | 10.3 | 22 | 3.9 | 462 | 0.17 | 0.58 | 3.26 | 0.220 | 3.93 | 1.7 |

***** See Appendix Page for comments regarding this certificate *****

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 22-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20227707

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R614161 | | 279 | 8.5 | 19.0 | 9 | 176.5 |
| R614162 | | 308 | 5.6 | 19.3 | 10 | 145.5 |
| R614163 | | 267 | 4.8 | 17.1 | 11 | 143.0 |
| R614164 | | 79 | 1.8 | 8.8 | 5 | 47.8 |
| R614165 | | 186 | 4.9 | 19.2 | 12 | 147.5 |
| R614166 | | 93 | 8.1 | 12.9 | 8 | 83.5 |
| R614167 | | 191 | 9.4 | 16.4 | 8 | 145.0 |
| R614168 | | 208 | 5.3 | 19.0 | 12 | 162.5 |
| R614169 | | 88 | 3.6 | 10.6 | 10 | 57.1 |
| R614170 | | 230 | 5.3 | 18.0 | 11 | 138.5 |
| R614171 | | 42 | 9.9 | 13.8 | 830 | 54.2 |
| R614172 | | 277 | 6.6 | 17.0 | 12 | 160.0 |
| R614173 | | 233 | 7.6 | 19.5 | 16 | 144.5 |
| R614174 | | 192 | 9.0 | 20.9 | 10 | 176.0 |
| R614175 | | 95 | 5.0 | 14.6 | 10 | 85.2 |
| R614176 | | 132 | 6.3 | 17.4 | 8 | 136.0 |
| R614177 | | 96 | 5.1 | 14.4 | 6 | 95.8 |
| R614178 | | 136 | 8.0 | 14.9 | 8 | 142.0 |
| R614179 | | 23 | 1.7 | 35.2 | 10 | 22.7 |
| R614180 | | 1 | 0.2 | 2.2 | 3 | 1.8 |
| R614181 | | 132 | 6.9 | 16.4 | 8 | 161.5 |
| R614182 | | 133 | 5.8 | 19.8 | 14 | 135.5 |
| R614183 | | 129 | 5.2 | 20.4 | 20 | 110.5 |
| R614184 | | 124 | 4.6 | 17.1 | 21 | 132.0 |
| R614185 | | 136 | 6.0 | 25.2 | 40 | 124.5 |
| R614186 | | 166 | 6.9 | 22.4 | 46 | 141.5 |
| R614187 | | 218 | 10.9 | 20.2 | 9 | 145.0 |
| R614188 | | 157 | 6.1 | 19.2 | 15 | 130.5 |
| R614189 | | 180 | 5.2 | 23.5 | 26 | 142.5 |
| R614190 | | 8 | 0.4 | 3.2 | 9 | 5.1 |
| R614191 | | 163 | 4.6 | 29.1 | 52 | 87.0 |
| R614192 | | 148 | 4.9 | 27.0 | 39 | 97.0 |
| R614193 | | 162 | 6.0 | 24.8 | 16 | 122.5 |
| R614194 | | 69 | 2.3 | 14.1 | 35 | 49.8 |
| R614195 | | 68 | 2.2 | 13.5 | 44 | 48.1 |
| R614196 | | 187 | 7.6 | 22.9 | 16 | 143.5 |
| R614197 | | 209 | 10.6 | 21.8 | 47 | 161.0 |
| R614198 | | 102 | 3.8 | 12.6 | 14 | 76.2 |
| R614199 | | 166 | 7.1 | 16.0 | 8 | 127.5 |
| R614200 | | 128 | 9.7 | 10.7 | 2090 | 31.7 |

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 22-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20227707

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

REEs may not be totally soluble in this method.
Applies to Method: ME-MS61

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d | |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC | |
| SPL-21 | SPL-21d | WEI-21 | | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20228437

Project: Rau

P.O. No.: R20-D52

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

**Signature:**

Saa Traxler, General Manager, North Vancouver

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228437

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W231351 | | 1.45 | <0.01 | 0.18 | 1.70 | 31.7 | 290 | 0.48 | 0.18 | 2.85 | 0.13 | 9.88 | 17.7 | 19 | 1.00 | 209 |
| W231352 | | 2.45 | <0.01 | 0.03 | 3.03 | 1.4 | 530 | 0.80 | 0.05 | 1.10 | 0.07 | 27.4 | 1.4 | 27 | 1.79 | 5.2 |
| W231353 | | 6.67 | 0.01 | 0.03 | 7.22 | 13.2 | 1640 | 2.31 | 0.27 | 2.89 | 0.02 | 102.0 | 8.9 | 60 | 4.97 | 11.2 |
| W231354 | | 1.44 | 0.01 | 0.09 | 5.67 | 175.5 | 230 | 1.98 | 0.24 | 4.46 | 0.03 | 170.5 | 24.9 | 49 | 3.74 | 67.4 |
| W231355 | | 2.41 | <0.01 | 0.03 | 7.62 | 9.1 | 1760 | 2.51 | 0.04 | 2.58 | 0.03 | 75.9 | 3.0 | 63 | 5.52 | 2.2 |
| W231356 | | 1.42 | 0.01 | 0.08 | 2.36 | 625 | 520 | 0.83 | 0.13 | 4.15 | 0.90 | 39.9 | 17.3 | 30 | 1.70 | 28.9 |
| W231357 | | 2.95 | 0.01 | 0.09 | 7.23 | 4.2 | 1560 | 2.30 | 1.35 | 3.68 | 0.06 | 94.7 | 18.0 | 96 | 5.03 | 61.5 |
| W231358 | | 0.16 | 1.18 | 70.2 | 7.02 | 31.5 | 4240 | 0.88 | 0.10 | 1.81 | 14.55 | 26.2 | 5.1 | 16 | 0.42 | 215 |
| W231359 | | 3.01 | 0.01 | 0.13 | 5.29 | 8.8 | 810 | 1.87 | 1.28 | 5.63 | 0.07 | 70.6 | 16.0 | 86 | 3.40 | 61.9 |
| W231360 | | 9.69 | 0.01 | 0.07 | 6.18 | 8.4 | 680 | 2.02 | 1.27 | 3.44 | 0.05 | 92.7 | 18.2 | 58 | 3.79 | 64.8 |
| W231361 | | 3.12 | 0.01 | 0.05 | 5.17 | 3.4 | 1130 | 1.69 | 0.22 | 4.86 | 0.06 | 86.0 | 4.7 | 42 | 3.24 | 29.7 |
| W231362 | | 2.90 | <0.01 | 0.03 | 7.52 | 3.1 | 1640 | 2.47 | 0.15 | 3.29 | <0.02 | 121.5 | 2.0 | 58 | 4.19 | 10.1 |
| W231363 | | 1.81 | 0.10 | 0.97 | 2.65 | 490 | 310 | 0.95 | 0.33 | 3.23 | 0.36 | 56.5 | 16.9 | 33 | 1.57 | 108.5 |
| W231364 | | 2.45 | 0.01 | 0.05 | 1.03 | 118.0 | 210 | 0.37 | 0.30 | 3.08 | 0.15 | 18.65 | 4.5 | 33 | 0.75 | 14.2 |
| W231365 | | 2.12 | <0.01 | 0.01 | 0.13 | 2.1 | 30 | 0.06 | 0.02 | 34.1 | 0.02 | 1.19 | 0.5 | 3 | <0.05 | 1.2 |
| W231366 | | 3.91 | 0.03 | 0.30 | 7.06 | 440 | 200 | 2.29 | 3.18 | 5.37 | 0.15 | 102.5 | 24.4 | 94 | 4.31 | 139.5 |
| W231367 | | 2.11 | 0.01 | 0.17 | 0.57 | 18.7 | 130 | 0.29 | 0.28 | 3.84 | 0.22 | 17.85 | 11.3 | 17 | 0.52 | 142.0 |
| W231368 | | 3.25 | 0.01 | 0.19 | 3.65 | 73.1 | 250 | 1.26 | 1.05 | 6.18 | 0.08 | 49.4 | 13.2 | 84 | 2.18 | 155.0 |
| W231369 | | 4.39 | 0.01 | 0.10 | 5.97 | 346 | 760 | 1.98 | 1.37 | 3.59 | 0.04 | 83.3 | 18.9 | 93 | 3.73 | 68.3 |
| W231370 | | 0.26 | 3.44 | 7.64 | 7.92 | 1820 | 120 | 1.73 | 0.54 | 3.19 | 1.27 | 43.9 | 22.0 | 15 | 8.23 | 192.5 |
| W231371 | | 6.73 | 0.01 | 0.08 | 5.51 | 187.5 | 970 | 1.77 | 0.90 | 4.82 | 0.11 | 77.9 | 12.4 | 92 | 3.40 | 45.1 |
| W231372 | | 2.66 | 0.05 | 3.09 | 6.73 | 757 | 220 | 2.38 | 5.53 | 3.72 | 19.55 | 94.6 | 52.9 | 100 | 4.51 | 111.0 |
| W231373 | | 1.58 | 0.02 | 0.27 | 6.17 | 195.5 | 90 | 2.02 | 1.36 | 4.63 | 0.07 | 70.2 | 31.7 | 101 | 3.89 | 261 |
| W231374 | | 4.08 | 0.02 | 0.11 | 5.47 | 3.3 | 560 | 1.79 | 1.57 | 5.53 | 0.08 | 78.8 | 11.7 | 94 | 3.29 | 59.1 |
| W231375 | | <0.02 | 0.01 | 0.12 | 5.41 | 3.4 | 510 | 1.78 | 1.59 | 5.49 | 0.07 | 76.1 | 12.2 | 99 | 3.24 | 60.0 |
| W231376 | | 9.18 | 0.02 | 0.08 | 6.48 | 12.5 | 690 | 1.99 | 0.90 | 3.27 | 0.02 | 94.0 | 19.2 | 54 | 4.54 | 75.5 |
| W231377 | | 1.69 | 0.01 | 0.16 | 5.63 | 3.6 | 1080 | 1.61 | 0.35 | 4.09 | 0.20 | 80.7 | 9.8 | 41 | 2.84 | 64.2 |
| W231378 | | 11.25 | 0.01 | 0.04 | 6.28 | 8.1 | 1300 | 1.98 | 0.35 | 2.56 | 0.08 | 97.8 | 10.5 | 46 | 5.49 | 28.4 |
| W231379 | | 3.87 | 0.01 | 0.03 | 6.00 | 5.4 | 1280 | 1.81 | 0.20 | 2.55 | 0.06 | 81.5 | 6.7 | 44 | 6.11 | 16.6 |
| W231380 | | 1.64 | 0.02 | 0.07 | 4.31 | 13.0 | 970 | 1.45 | 0.37 | 3.96 | 0.18 | 70.1 | 8.3 | 38 | 3.67 | 18.6 |
| W231381 | | 5.79 | 0.01 | 0.09 | 7.56 | 15.7 | 1640 | 2.29 | 1.02 | 2.26 | 0.09 | 119.0 | 19.2 | 59 | 6.14 | 52.2 |
| W231382 | | 3.26 | 0.01 | 0.06 | 6.17 | 18.5 | 1310 | 1.91 | 0.79 | 2.83 | 0.08 | 93.5 | 18.4 | 52 | 5.24 | 46.9 |
| W231383 | | 3.73 | 0.01 | 0.03 | 6.16 | 9.7 | 1320 | 1.60 | 0.34 | 2.27 | 0.04 | 85.9 | 11.4 | 45 | 5.19 | 30.9 |
| W231384 | | 4.16 | 0.01 | 0.03 | 6.13 | 20.5 | 1310 | 1.85 | 0.39 | 2.37 | 0.05 | 99.2 | 14.6 | 45 | 6.04 | 31.8 |
| W231385 | | 1.65 | 0.05 | 0.06 | 6.33 | 65.6 | 1360 | 2.08 | 0.24 | 2.31 | 0.05 | 90.2 | 20.7 | 49 | 4.78 | 44.4 |
| W231386 | | 4.94 | 0.01 | 0.04 | 6.31 | 18.4 | 1410 | 2.08 | 0.24 | 2.45 | 0.05 | 90.8 | 9.6 | 49 | 4.51 | 16.4 |
| W231387 | | 5.45 | 0.01 | 0.05 | 6.26 | 22.0 | 1400 | 2.27 | 0.34 | 2.05 | 0.06 | 93.5 | 12.0 | 50 | 5.43 | 24.7 |
| W231388 | | 4.87 | 0.01 | 0.05 | 6.29 | 16.3 | 1340 | 1.91 | 0.40 | 2.25 | 0.03 | 94.8 | 15.2 | 47 | 5.42 | 36.6 |
| W231389 | | 5.50 | 0.01 | 0.16 | 7.37 | 24.4 | 1580 | 2.19 | 0.91 | 1.15 | 0.08 | 115.5 | 17.8 | 56 | 6.79 | 42.4 |
| W231390 | | 4.52 | 0.01 | 0.05 | 6.89 | 10.3 | 1560 | 2.15 | 0.46 | 2.83 | 0.04 | 100.5 | 8.3 | 57 | 5.72 | 18.7 |

***** See Appendix Page for comments regarding this certificate *****

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| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W231351 | | 3.84 | 3.19 | 0.05 | 0.2 | 0.028 | 0.78 | 5.3 | 1.9 | 1.23 | 716 | 0.87 | 0.03 | 1.5 | 41.6 | 280 |
| W231352 | | 1.16 | 6.44 | 0.07 | 0.9 | 0.019 | 1.39 | 14.6 | 3.7 | 0.52 | 252 | 0.59 | 0.04 | 11.6 | 4.4 | 410 |
| W231353 | | 2.00 | 20.8 | 0.17 | 3.0 | 0.054 | 3.50 | 54.7 | 12.3 | 1.45 | 453 | 0.90 | 0.07 | 47.2 | 21.8 | 1650 |
| W231354 | | 4.87 | 16.95 | 0.23 | 2.1 | 0.046 | 2.71 | 91.7 | 9.4 | 2.11 | 878 | 1.45 | 0.06 | 35.0 | 45.7 | 1420 |
| W231355 | | 1.58 | 22.8 | 0.16 | 2.8 | 0.060 | 3.75 | 38.4 | 13.2 | 1.33 | 442 | 0.59 | 0.08 | 51.6 | 11.7 | 1990 |
| W231356 | | 3.01 | 6.79 | 0.09 | 1.1 | 0.029 | 1.12 | 21.7 | 4.0 | 1.88 | 908 | 0.56 | 0.03 | 14.1 | 21.2 | 660 |
| W231357 | | 3.85 | 20.1 | 0.17 | 3.3 | 0.060 | 3.47 | 51.0 | 11.9 | 1.75 | 588 | 4.77 | 0.08 | 37.9 | 51.9 | 2260 |
| W231358 | | 2.50 | 14.55 | 0.09 | 1.9 | 0.035 | 1.43 | 14.1 | 2.4 | 0.55 | 716 | 7.04 | 3.24 | 6.1 | 8.1 | 490 |
| W231359 | | 4.84 | 13.90 | 0.13 | 2.5 | 0.052 | 2.46 | 34.9 | 9.1 | 2.44 | 877 | 5.10 | 0.06 | 27.2 | 56.0 | 2160 |
| W231360 | | 4.27 | 16.90 | 0.14 | 2.8 | 0.055 | 2.89 | 46.1 | 9.4 | 1.62 | 548 | 3.97 | 0.07 | 38.6 | 45.2 | 1750 |
| W231361 | | 3.13 | 15.00 | 0.15 | 2.4 | 0.047 | 2.37 | 43.3 | 7.5 | 2.13 | 979 | 2.43 | 0.06 | 39.4 | 18.0 | 1900 |
| W231362 | | 2.10 | 22.9 | 0.19 | 3.6 | 0.063 | 3.40 | 62.1 | 10.9 | 1.53 | 604 | 0.70 | 0.10 | 57.3 | 10.2 | 2290 |
| W231363 | | 5.00 | 7.67 | 0.12 | 1.5 | 0.025 | 1.12 | 29.2 | 4.0 | 1.46 | 837 | 0.94 | 0.05 | 16.5 | 43.9 | 820 |
| W231364 | | 2.40 | 3.01 | 0.07 | 0.6 | 0.012 | 0.45 | 9.2 | 1.9 | 1.20 | 742 | 0.81 | 0.02 | 4.6 | 9.3 | 560 |
| W231365 | | 0.23 | 0.41 | 0.07 | 0.1 | <0.005 | 0.04 | 1.2 | 1.1 | 1.52 | 116 | 0.12 | 0.06 | 0.4 | 1.2 | 60 |
| W231366 | | 7.37 | 20.7 | 0.16 | 3.3 | 0.064 | 3.15 | 51.1 | 11.0 | 2.52 | 1200 | 7.41 | 0.10 | 32.0 | 49.2 | 3000 |
| W231367 | | 7.14 | 1.78 | 0.05 | 0.3 | 0.011 | 0.26 | 9.0 | 1.2 | 1.65 | 1200 | 0.61 | 0.01 | 2.7 | 46.2 | 260 |
| W231368 | | 6.97 | 10.30 | 0.07 | 2.3 | 0.048 | 1.62 | 24.4 | 5.7 | 2.71 | 1310 | 6.22 | 0.05 | 17.7 | 53.4 | 1610 |
| W231369 | | 3.95 | 17.05 | 0.11 | 2.8 | 0.051 | 2.71 | 41.7 | 8.9 | 1.59 | 624 | 7.51 | 0.08 | 28.2 | 59.4 | 2700 |
| W231370 | | 6.38 | 18.55 | 0.14 | 1.8 | 0.067 | 3.00 | 20.8 | 41.0 | 1.10 | 1440 | 3.78 | 0.34 | 6.8 | 13.7 | 1980 |
| W231371 | | 4.21 | 14.80 | 0.14 | 3.0 | 0.052 | 2.55 | 38.9 | 7.9 | 2.11 | 815 | 9.63 | 0.08 | 27.9 | 40.6 | 2710 |
| W231372 | | 5.86 | 18.75 | 0.14 | 3.7 | 0.329 | 3.08 | 47.1 | 9.4 | 1.58 | 1230 | 24.4 | 0.09 | 34.7 | 58.9 | 2470 |
| W231373 | | 7.78 | 17.45 | 0.15 | 3.5 | 0.064 | 2.82 | 33.0 | 8.7 | 2.25 | 875 | 15.05 | 0.08 | 33.3 | 57.2 | 1440 |
| W231374 | | 4.96 | 15.10 | 0.12 | 2.8 | 0.039 | 2.56 | 39.1 | 8.0 | 2.36 | 829 | 7.61 | 0.07 | 28.4 | 56.8 | 2040 |
| W231375 | | 5.11 | 14.30 | 0.13 | 2.7 | 0.052 | 2.52 | 37.7 | 7.9 | 2.34 | 825 | 7.41 | 0.07 | 27.5 | 58.4 | 2030 |
| W231376 | | 4.55 | 18.80 | 0.17 | 2.7 | 0.073 | 2.89 | 47.2 | 10.4 | 1.73 | 548 | 2.89 | 0.07 | 42.1 | 46.7 | 1840 |
| W231377 | | 5.42 | 16.10 | 0.11 | 2.5 | 0.060 | 2.24 | 41.4 | 15.1 | 2.43 | 1100 | 1.13 | 0.06 | 38.2 | 30.1 | 1770 |
| W231378 | | 5.27 | 17.95 | 0.12 | 1.8 | 0.066 | 2.70 | 50.2 | 13.8 | 2.21 | 580 | 0.78 | 0.06 | 46.5 | 19.8 | 1960 |
| W231379 | | 5.12 | 16.65 | 0.14 | 1.4 | 0.044 | 2.68 | 41.4 | 15.9 | 2.25 | 677 | 0.55 | 0.06 | 38.4 | 14.8 | 1620 |
| W231380 | | 3.31 | 12.00 | 0.11 | 1.9 | 0.044 | 2.00 | 35.6 | 6.6 | 1.80 | 717 | 1.96 | 0.06 | 34.2 | 16.3 | 1490 |
| W231381 | | 5.14 | 21.8 | 0.17 | 3.6 | 0.085 | 3.42 | 61.7 | 13.3 | 1.86 | 542 | 4.39 | 0.08 | 54.2 | 42.0 | 2420 |
| W231382 | | 4.83 | 18.65 | 0.12 | 3.1 | 0.068 | 2.77 | 47.6 | 10.8 | 1.96 | 478 | 4.13 | 0.07 | 44.1 | 36.4 | 1740 |
| W231383 | | 5.50 | 16.45 | 0.11 | 1.5 | 0.052 | 2.67 | 44.2 | 16.0 | 2.12 | 583 | 1.08 | 0.06 | 43.2 | 20.4 | 1900 |
| W231384 | | 5.40 | 18.85 | 0.15 | 1.6 | 0.063 | 2.63 | 50.5 | 17.5 | 2.11 | 596 | 0.89 | 0.06 | 47.0 | 24.3 | 1760 |
| W231385 | | 4.38 | 18.45 | 0.18 | 2.7 | 0.066 | 2.74 | 45.4 | 12.3 | 1.51 | 534 | 1.57 | 0.07 | 45.0 | 30.0 | 1900 |
| W231386 | | 4.60 | 17.90 | 0.14 | 2.2 | 0.067 | 2.72 | 45.2 | 13.7 | 1.89 | 686 | 0.95 | 0.07 | 44.8 | 19.2 | 1760 |
| W231387 | | 4.34 | 19.10 | 0.17 | 2.3 | 0.065 | 2.84 | 47.6 | 14.3 | 1.78 | 639 | 1.83 | 0.07 | 43.1 | 21.9 | 1590 |
| W231388 | | 5.48 | 18.30 | 0.15 | 1.4 | 0.067 | 2.67 | 46.6 | 16.7 | 2.16 | 626 | 0.80 | 0.07 | 42.0 | 27.3 | 1830 |
| W231389 | | 4.43 | 21.6 | 0.19 | 3.7 | 0.079 | 3.35 | 58.0 | 13.6 | 1.47 | 320 | 4.23 | 0.09 | 56.2 | 36.2 | 2060 |
| W231390 | | 3.61 | 20.0 | 0.17 | 3.2 | 0.060 | 3.16 | 50.3 | 12.2 | 1.66 | 593 | 2.33 | 0.10 | 49.1 | 20.5 | 2000 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W231351 | | 3.9 | 24.2 | <0.002 | 2.26 | 0.37 | 2.3 | 2 | 1.7 | 50.2 | 0.07 | <0.05 | 0.83 | 0.029 | 0.16 | 1.3 |
| W231352 | | 3.2 | 46.9 | <0.002 | 0.13 | 0.29 | 3.5 | <1 | 3.4 | 42.2 | 0.56 | <0.05 | 3.63 | 0.171 | 0.30 | 1.3 |
| W231353 | | 1.1 | 129.0 | <0.002 | 0.34 | 0.72 | 13.9 | <1 | 9.0 | 99.5 | 2.45 | <0.05 | 13.70 | 0.682 | 0.68 | 3.0 |
| W231354 | | 1.8 | 101.0 | 0.002 | 2.69 | 1.08 | 11.4 | 1 | 8.4 | 73.6 | 1.75 | 0.06 | 10.90 | 0.509 | 1.18 | 3.2 |
| W231355 | | 1.2 | 125.5 | <0.002 | 0.05 | 0.49 | 14.6 | <1 | 11.2 | 90.5 | 2.72 | <0.05 | 14.20 | 0.769 | 0.71 | 2.7 |
| W231356 | | 5.4 | 42.2 | <0.002 | 0.91 | 1.72 | 5.7 | <1 | 4.2 | 101.5 | 0.68 | 0.15 | 4.63 | 0.209 | 0.24 | 1.4 |
| W231357 | | 2.3 | 129.5 | 0.009 | 1.44 | 1.10 | 15.4 | 2 | 11.1 | 121.0 | 1.97 | 0.05 | 12.15 | 0.636 | 0.69 | 4.9 |
| W231358 | | 1475 | 29.5 | 0.009 | 0.49 | 109.5 | 6.8 | 3 | 1.9 | 212 | 0.38 | <0.05 | 2.85 | 0.195 | 0.34 | 1.7 |
| W231359 | | 7.4 | 98.0 | 0.007 | 1.61 | 1.49 | 11.4 | 3 | 8.8 | 167.0 | 1.36 | 0.05 | 7.14 | 0.438 | 0.46 | 3.9 |
| W231360 | | 2.4 | 106.5 | 0.004 | 1.75 | 0.97 | 12.0 | 1 | 9.0 | 104.0 | 1.80 | <0.05 | 9.41 | 0.583 | 0.54 | 3.3 |
| W231361 | | 3.3 | 92.0 | 0.003 | 0.63 | 0.69 | 10.5 | 1 | 10.1 | 137.5 | 1.89 | <0.05 | 8.00 | 0.559 | 0.44 | 2.6 |
| W231362 | | 1.7 | 136.5 | 0.004 | 0.28 | 0.41 | 15.1 | 1 | 17.8 | 102.0 | 2.79 | <0.05 | 11.90 | 0.797 | 0.64 | 3.5 |
| W231363 | | 7.0 | 45.1 | 0.003 | 2.86 | 0.74 | 6.1 | 3 | 7.6 | 67.7 | 0.90 | 0.06 | 5.43 | 0.268 | 0.24 | 1.7 |
| W231364 | | 5.4 | 17.4 | <0.002 | 0.49 | 0.33 | 2.6 | 1 | 2.9 | 60.0 | 0.22 | <0.05 | 1.65 | 0.083 | 0.10 | 0.8 |
| W231365 | | 0.5 | 1.3 | <0.002 | <0.01 | 0.10 | 0.2 | 1 | 0.2 | 84.5 | <0.05 | <0.05 | 0.16 | 0.007 | <0.02 | 0.2 |
| W231366 | | 20.7 | 126.5 | 0.017 | 3.42 | 1.98 | 15.0 | 2 | 18.3 | 139.0 | 1.61 | 0.08 | 9.27 | 0.509 | 0.73 | 4.5 |
| W231367 | | 6.1 | 9.9 | 0.002 | 3.42 | 0.73 | 2.4 | 2 | 1.6 | 47.6 | 0.15 | <0.05 | 1.00 | 0.046 | 0.07 | 1.4 |
| W231368 | | 3.8 | 66.0 | 0.008 | 3.23 | 0.80 | 9.1 | 4 | 9.5 | 153.0 | 0.94 | <0.05 | 5.37 | 0.316 | 0.37 | 5.0 |
| W231369 | | 3.4 | 108.5 | 0.009 | 1.67 | 1.26 | 13.0 | 2 | 14.3 | 116.5 | 1.43 | <0.05 | 8.22 | 0.465 | 0.55 | 5.4 |
| W231370 | | 36.9 | 123.0 | <0.002 | 4.26 | 28.5 | 22.3 | 15 | 2.1 | 196.0 | 0.36 | 0.06 | 4.34 | 0.424 | 2.31 | 2.1 |
| W231371 | | 2.7 | 91.8 | 0.015 | 1.42 | 1.06 | 11.1 | 1 | 11.5 | 150.5 | 1.48 | <0.05 | 7.92 | 0.495 | 0.48 | 7.9 |
| W231372 | | 367 | 119.5 | 0.014 | 2.97 | 3.16 | 14.5 | 4 | 13.4 | 122.5 | 1.87 | 0.18 | 9.13 | 0.567 | 0.63 | 7.9 |
| W231373 | | 4.7 | 111.5 | 0.013 | 4.55 | 1.42 | 14.7 | 3 | 12.6 | 117.0 | 1.76 | <0.05 | 8.50 | 0.550 | 0.49 | 11.6 |
| W231374 | | 4.2 | 97.9 | 0.014 | 1.92 | 1.10 | 12.2 | 3 | 10.6 | 152.0 | 1.48 | 0.05 | 7.62 | 0.481 | 0.51 | 5.3 |
| W231375 | | 4.0 | 97.7 | 0.011 | 2.03 | 0.99 | 12.0 | 3 | 10.6 | 149.5 | 1.48 | <0.05 | 7.54 | 0.476 | 0.47 | 5.2 |
| W231376 | | 3.3 | 112.0 | 0.006 | 1.69 | 1.20 | 12.7 | 2 | 9.3 | 107.0 | 2.07 | 0.06 | 10.05 | 0.592 | 0.55 | 3.7 |
| W231377 | | 18.9 | 84.3 | 0.002 | 0.50 | 5.75 | 11.3 | 2 | 8.1 | 111.5 | 1.84 | <0.05 | 8.14 | 0.592 | 0.40 | 2.5 |
| W231378 | | 3.0 | 104.5 | <0.002 | 0.64 | 0.73 | 12.5 | 1 | 6.8 | 95.1 | 2.18 | <0.05 | 9.71 | 0.698 | 0.63 | 1.9 |
| W231379 | | 1.6 | 106.5 | <0.002 | 0.35 | 0.49 | 11.2 | 1 | 5.4 | 82.7 | 1.93 | <0.05 | 9.58 | 0.636 | 0.78 | 1.3 |
| W231380 | | 5.4 | 77.6 | 0.002 | 0.47 | 0.93 | 8.8 | 1 | 5.5 | 159.0 | 1.56 | <0.05 | 6.87 | 0.469 | 0.43 | 2.3 |
| W231381 | | 3.1 | 133.5 | 0.005 | 1.05 | 1.48 | 15.5 | 1 | 8.5 | 86.3 | 2.56 | <0.05 | 12.10 | 0.839 | 0.78 | 4.3 |
| W231382 | | 3.7 | 113.0 | 0.003 | 0.88 | 1.86 | 13.1 | 1 | 5.0 | 117.0 | 2.23 | 0.05 | 10.30 | 0.684 | 0.71 | 3.7 |
| W231383 | | 1.9 | 99.9 | 0.002 | 0.60 | 0.69 | 11.6 | 1 | 5.1 | 71.9 | 2.10 | <0.05 | 8.67 | 0.703 | 0.65 | 1.8 |
| W231384 | | 2.0 | 114.5 | <0.002 | 0.61 | 0.79 | 13.1 | 1 | 5.7 | 81.5 | 2.26 | <0.05 | 9.16 | 0.689 | 0.66 | 1.9 |
| W231385 | | 2.8 | 106.5 | 0.004 | 0.59 | 0.95 | 12.9 | 1 | 5.9 | 107.5 | 2.22 | <0.05 | 9.40 | 0.697 | 0.62 | 3.0 |
| W231386 | | 2.4 | 102.5 | 0.002 | 0.36 | 0.70 | 12.4 | 1 | 6.2 | 91.7 | 2.19 | <0.05 | 9.73 | 0.693 | 0.58 | 2.3 |
| W231387 | | 3.5 | 112.5 | 0.002 | 0.50 | 0.79 | 12.7 | 2 | 7.0 | 75.6 | 2.11 | <0.05 | 10.25 | 0.629 | 0.62 | 2.6 |
| W231388 | | 2.2 | 105.0 | <0.002 | 0.93 | 0.59 | 12.6 | 1 | 6.5 | 89.1 | 2.18 | <0.05 | 9.07 | 0.678 | 0.64 | 1.6 |
| W231389 | | 3.4 | 136.0 | 0.004 | 0.96 | 1.05 | 15.3 | 2 | 7.5 | 60.3 | 2.74 | <0.05 | 11.00 | 0.845 | 0.81 | 4.0 |
| W231390 | | 2.8 | 126.0 | 0.005 | 0.58 | 0.81 | 14.5 | 1 | 10.0 | 97.9 | 2.49 | <0.05 | 10.50 | 0.766 | 0.69 | 3.4 |

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228437

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W231351 | | 12 | 0.4 | 6.7 | 14 | 9.3 |
| W231352 | | 31 | 0.8 | 4.9 | 11 | 35.7 |
| W231353 | | 127 | 2.2 | 15.7 | 8 | 123.5 |
| W231354 | | 103 | 2.6 | 19.2 | 7 | 89.8 |
| W231355 | | 135 | 3.3 | 15.1 | 8 | 115.0 |
| W231356 | | 41 | 1.3 | 10.4 | 108 | 50.7 |
| W231357 | | 169 | 3.0 | 16.9 | 10 | 142.0 |
| W231358 | | 51 | 10.8 | 16.4 | 2590 | 60.2 |
| W231359 | | 139 | 2.3 | 13.0 | 20 | 107.0 |
| W231360 | | 127 | 2.6 | 14.8 | 12 | 119.5 |
| W231361 | | 98 | 3.1 | 15.0 | 17 | 98.4 |
| W231362 | | 142 | 4.9 | 16.8 | 12 | 152.5 |
| W231363 | | 61 | 3.0 | 8.3 | 47 | 62.6 |
| W231364 | | 24 | 1.0 | 6.1 | 19 | 21.2 |
| W231365 | | 1 | <0.1 | 2.2 | 3 | 2.4 |
| W231366 | | 202 | 5.0 | 15.9 | 24 | 130.5 |
| W231367 | | 15 | 0.7 | 5.8 | 23 | 11.4 |
| W231368 | | 99 | 2.9 | 10.9 | 19 | 89.2 |
| W231369 | | 182 | 3.7 | 13.1 | 12 | 118.5 |
| W231370 | | 212 | 2.3 | 15.8 | 155 | 66.7 |
| W231371 | | 210 | 3.5 | 13.1 | 17 | 133.0 |
| W231372 | | 227 | 3.9 | 14.7 | 4860 | 148.0 |
| W231373 | | 224 | 3.7 | 12.9 | 20 | 139.5 |
| W231374 | | 183 | 3.1 | 11.4 | 18 | 115.0 |
| W231375 | | 184 | 3.0 | 11.5 | 17 | 109.5 |
| W231376 | | 132 | 2.6 | 15.4 | 17 | 114.0 |
| W231377 | | 114 | 2.7 | 17.5 | 42 | 106.5 |
| W231378 | | 118 | 1.9 | 15.9 | 40 | 76.3 |
| W231379 | | 104 | 1.9 | 13.7 | 44 | 60.5 |
| W231380 | | 88 | 2.1 | 13.8 | 26 | 89.7 |
| W231381 | | 157 | 2.7 | 25.4 | 27 | 154.5 |
| W231382 | | 132 | 1.8 | 24.3 | 33 | 129.0 |
| W231383 | | 116 | 1.6 | 22.3 | 46 | 62.0 |
| W231384 | | 113 | 1.6 | 26.4 | 45 | 69.1 |
| W231385 | | 132 | 3.0 | 23.9 | 33 | 112.0 |
| W231386 | | 122 | 2.2 | 24.5 | 35 | 87.5 |
| W231387 | | 121 | 1.9 | 22.9 | 29 | 99.2 |
| W231388 | | 117 | 1.7 | 24.6 | 33 | 53.7 |
| W231389 | | 154 | 2.1 | 26.5 | 24 | 146.5 |
| W231390 | | 144 | 2.8 | 22.6 | 18 | 130.5 |

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228437

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-JAN-2021**
**Account: RCM**

# CERTIFICATE WH20228443

Project: Rau

P.O. No.: R20-D53

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 3-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228443

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R615301 | | 1.29 | 7.33 | 0.62 | 1.00 | >10000 | 60 | 0.44 | 4.25 | 4.00 | 0.05 | 23.3 | 205 | 10 | 0.77 | 440 |
| R615302 | | 1.99 | 0.01 | 0.01 | 0.06 | 18.0 | 20 | 0.05 | 0.03 | 35.1 | <0.02 | 0.95 | 0.9 | 2 | <0.05 | 1.9 |
| R615303 | | 5.66 | 0.04 | 0.05 | 7.32 | 429 | 1350 | 2.55 | 2.32 | 2.55 | 0.07 | 88.3 | 15.5 | 64 | 5.87 | 34.1 |
| R615304 | | 5.89 | 0.05 | 0.06 | 6.98 | 11.7 | 1390 | 2.37 | 2.26 | 3.38 | 0.05 | 96.0 | 9.4 | 65 | 6.31 | 36.2 |
| R615305 | | 3.91 | 0.01 | 0.03 | 7.67 | 408 | 1490 | 2.46 | 0.59 | 1.85 | 0.05 | 108.0 | 8.2 | 67 | 6.44 | 25.6 |
| R615306 | | 1.09 | 0.13 | 0.36 | 4.52 | 8090 | 30 | 1.26 | 3.52 | 4.62 | 0.07 | 61.4 | 151.5 | 31 | 3.08 | 621 |
| R615307 | | <0.02 | 0.17 | 0.41 | 4.12 | 8900 | 30 | 1.15 | 3.32 | 5.11 | 0.06 | 57.3 | 156.0 | 29 | 2.85 | 674 |
| R615308 | | 1.63 | 0.03 | 0.04 | 7.05 | 826 | 1370 | 2.23 | 0.31 | 4.26 | 0.07 | 99.1 | 11.0 | 53 | 6.85 | 19.1 |
| R615309 | | 5.82 | 0.10 | 0.03 | 6.61 | 116.0 | 1190 | 2.01 | 0.82 | 3.12 | 0.05 | 104.5 | 13.5 | 46 | 12.00 | 47.2 |
| R615310 | | 1.84 | 0.12 | 0.06 | 6.90 | 79.9 | 1030 | 2.10 | 0.96 | 3.92 | 0.12 | 89.2 | 13.4 | 48 | 8.60 | 58.2 |
| R615311 | | 1.81 | 0.06 | 0.07 | 7.58 | 179.0 | 1430 | 2.30 | 0.36 | 2.73 | 0.10 | 95.6 | 7.8 | 60 | 6.00 | 25.3 |
| R615312 | | 2.84 | 0.10 | 0.08 | 7.61 | 22.6 | 1410 | 2.35 | 0.92 | 2.31 | 0.04 | 97.5 | 9.3 | 59 | 9.92 | 36.3 |
| R615313 | | 2.34 | 0.06 | 0.10 | 6.92 | 175.5 | 520 | 2.00 | 1.34 | 2.97 | 0.10 | 87.5 | 17.1 | 50 | 6.87 | 86.2 |
| R615314 | | 2.25 | 0.48 | 0.13 | 5.84 | 4360 | 270 | 2.06 | 1.57 | 5.05 | 0.26 | 128.0 | 104.5 | 43 | 4.51 | 103.5 |
| R615315 | | 1.33 | 0.17 | 0.09 | 1.38 | 372 | 240 | 0.39 | 0.33 | 9.62 | 0.30 | 21.7 | 12.5 | 33 | 1.67 | 34.0 |
| R615316 | | 6.04 | 0.01 | 0.13 | 5.88 | 20.3 | 860 | 1.84 | 1.75 | 4.75 | 0.11 | 73.4 | 14.5 | 95 | 5.59 | 65.0 |
| R615317 | | 2.13 | 0.03 | 0.11 | 4.44 | 21.9 | 820 | 1.22 | 0.91 | 5.97 | 0.15 | 65.6 | 13.0 | 73 | 5.05 | 48.1 |
| R615318 | | 1.38 | <0.01 | 0.06 | 9.66 | 19.3 | 2050 | 3.10 | 0.48 | 2.27 | 0.23 | 109.0 | 7.6 | 150 | 9.02 | 26.0 |
| R615319 | | 1.66 | 0.01 | 0.14 | 6.61 | 52.9 | 380 | 1.85 | 0.42 | 3.90 | 0.14 | 87.4 | 26.7 | 79 | 6.49 | 137.0 |
| R615320 | | 0.16 | 5.16 | 11.35 | 6.08 | 745 | 70 | 0.70 | 5.75 | 3.97 | 10.55 | 28.9 | 26.2 | 31 | 1.51 | 2110 |
| R615321 | | 5.87 | 0.15 | 0.10 | 6.86 | 55.1 | 660 | 1.92 | 2.38 | 2.50 | 0.07 | 83.9 | 24.6 | 97 | 6.31 | 86.0 |
| R615322 | | 5.75 | 0.01 | 0.08 | 7.21 | 35.2 | 1150 | 2.17 | 1.25 | 2.87 | 0.25 | 97.6 | 19.1 | 85 | 8.61 | 71.0 |
| R615323 | | 3.03 | 0.02 | 0.05 | 7.25 | 19.7 | 1430 | 2.08 | 0.89 | 3.89 | 0.04 | 79.2 | 13.2 | 108 | 6.96 | 54.5 |
| R615324 | | 7.46 | 0.01 | 0.10 | 7.28 | 22.5 | 860 | 2.09 | 1.38 | 1.76 | 0.10 | 85.6 | 19.5 | 99 | 8.58 | 73.6 |
| R615325 | | 5.50 | 0.01 | 0.08 | 7.89 | 7.5 | 1200 | 2.34 | 1.22 | 1.98 | 0.20 | 89.3 | 16.1 | 107 | 8.19 | 69.7 |
| R615326 | | 1.44 | 0.01 | 0.19 | 7.72 | 14.5 | 410 | 2.25 | 2.14 | 3.72 | 0.15 | 104.5 | 31.0 | 101 | 6.74 | 111.0 |
| R615327 | | 2.15 | 0.02 | 0.12 | 4.69 | 11.9 | 900 | 1.26 | 0.68 | 4.44 | 0.31 | 64.5 | 13.6 | 66 | 4.60 | 61.6 |
| R615328 | | 0.93 | 0.01 | 0.12 | 7.27 | 145.5 | 1410 | 2.10 | 0.50 | 4.59 | 0.73 | 111.5 | 23.1 | 109 | 6.40 | 44.1 |
| R615329 | | 1.16 | <0.01 | 0.17 | 6.65 | 37.8 | 1240 | 1.90 | 0.68 | 5.17 | 0.28 | 110.0 | 19.9 | 96 | 6.38 | 53.0 |
| R615330 | | 1.31 | <0.01 | 0.19 | 7.83 | 19.3 | 1630 | 2.36 | 1.17 | 3.53 | 0.42 | 116.5 | 17.5 | 106 | 8.01 | 63.2 |
| R615331 | | 0.57 | 0.11 | 0.21 | 1.76 | 80.2 | 380 | 0.50 | 0.29 | 7.93 | 0.31 | 24.8 | 29.7 | 36 | 1.85 | 76.6 |
| R615332 | | 2.25 | 0.12 | 0.11 | 7.40 | 35.6 | 1540 | 1.93 | 1.14 | 3.87 | 0.20 | 118.0 | 17.8 | 109 | 7.18 | 64.4 |
| R615333 | | 5.49 | 0.01 | 0.07 | 7.06 | 11.8 | 1610 | 2.01 | 1.16 | 3.43 | 0.18 | 102.0 | 14.1 | 98 | 7.44 | 59.1 |
| R615334 | | 5.53 | 0.01 | 0.09 | 7.74 | 4.3 | 1630 | 2.30 | 0.95 | 2.70 | 0.41 | 106.0 | 10.8 | 112 | 6.96 | 43.7 |
| R615335 | | 6.18 | 0.02 | 0.10 | 7.49 | 31.6 | 1560 | 2.17 | 0.87 | 3.84 | 0.11 | 110.0 | 14.5 | 107 | 6.93 | 52.0 |
| R615336 | | 7.35 | 0.02 | 0.10 | 7.19 | 21.1 | 1490 | 2.10 | 0.92 | 4.06 | 0.27 | 99.6 | 14.5 | 98 | 7.36 | 59.7 |
| R615337 | | 4.98 | 0.01 | 0.12 | 6.74 | 40.5 | 1380 | 1.89 | 1.01 | 3.93 | 0.30 | 103.0 | 15.2 | 74 | 6.48 | 50.0 |
| R615338 | | 0.16 | 0.81 | 75.3 | 5.08 | 136.5 | 1860 | 1.54 | 1.45 | 3.99 | 4.63 | 23.4 | 4.5 | 21 | 1.27 | 475 |
| R615339 | | 10.49 | 0.05 | 0.12 | 5.53 | 6.1 | 1160 | 1.66 | 0.62 | 6.95 | 0.23 | 84.5 | 9.0 | 65 | 6.03 | 35.2 |
| R615340 | | 1.67 | 0.02 | 0.12 | 6.31 | 11.5 | 530 | 1.99 | 1.33 | 4.22 | 0.26 | 92.7 | 26.3 | 95 | 7.06 | 96.2 |

***** See Appendix Page for comments regarding this certificate *****

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**Finalized Date: 3-JAN-2021**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228443

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R615301 | | 36.6 | 3.33 | <0.05 | 0.5 | 0.020 | 0.37 | 12.8 | 4.3 | 1.03 | 904 | 0.22 | 0.02 | 1.9 | 215 | 240 |
| R615302 | | 0.18 | 0.25 | <0.05 | <0.1 | 0.005 | 0.01 | 1.2 | 1.3 | 1.60 | 104 | 0.06 | 0.03 | 0.1 | 0.4 | 70 |
| R615303 | | 2.92 | 21.7 | 0.14 | 4.4 | 0.071 | 3.47 | 49.8 | 20.7 | 1.69 | 400 | 6.25 | 0.10 | 31.2 | 38.4 | 1660 |
| R615304 | | 3.08 | 21.0 | 0.17 | 3.4 | 0.058 | 3.48 | 51.2 | 19.8 | 1.72 | 645 | 1.79 | 0.08 | 31.9 | 44.7 | 1840 |
| R615305 | | 2.17 | 23.7 | 0.26 | 3.6 | 0.074 | 3.60 | 58.6 | 14.1 | 1.23 | 379 | 0.40 | 0.14 | 37.7 | 14.9 | 1740 |
| R615306 | | 26.0 | 13.80 | 0.12 | 1.8 | 0.040 | 1.75 | 32.8 | 9.0 | 1.99 | 840 | 0.31 | 0.13 | 12.1 | 169.5 | 1080 |
| R615307 | | 26.5 | 12.80 | 0.08 | 1.6 | 0.039 | 1.57 | 31.5 | 7.8 | 1.98 | 860 | 0.25 | 0.12 | 11.7 | 175.0 | 980 |
| R615308 | | 3.06 | 21.7 | 0.11 | 2.6 | 0.056 | 3.32 | 53.4 | 16.0 | 2.06 | 1070 | 0.28 | 0.11 | 34.9 | 14.4 | 1510 |
| R615309 | | 5.69 | 19.85 | 0.15 | 2.0 | 0.055 | 3.49 | 59.8 | 22.7 | 2.96 | 1090 | 0.51 | 0.10 | 30.9 | 40.5 | 1620 |
| R615310 | | 5.56 | 20.8 | 0.13 | 2.3 | 0.052 | 3.29 | 48.6 | 19.4 | 2.80 | 977 | 0.46 | 0.10 | 28.9 | 43.7 | 1300 |
| R615311 | | 2.80 | 23.7 | 0.25 | 3.3 | 0.058 | 3.61 | 53.2 | 11.9 | 1.55 | 625 | 0.62 | 0.12 | 32.7 | 25.1 | 1440 |
| R615312 | | 4.57 | 23.4 | 0.21 | 3.0 | 0.061 | 3.82 | 52.8 | 19.4 | 2.39 | 585 | 0.50 | 0.11 | 32.1 | 36.9 | 1670 |
| R615313 | | 5.75 | 21.1 | 0.16 | 2.2 | 0.052 | 3.09 | 48.1 | 18.4 | 2.22 | 592 | 0.51 | 0.11 | 25.2 | 48.3 | 1610 |
| R615314 | | 6.44 | 18.05 | 0.20 | 1.8 | 0.052 | 2.32 | 74.1 | 19.4 | 2.05 | 916 | 0.40 | 0.09 | 24.4 | 50.7 | 1290 |
| R615315 | | 2.90 | 4.45 | <0.05 | 0.6 | 0.023 | 0.61 | 11.4 | 5.3 | 2.06 | 2130 | 1.17 | 0.02 | 6.3 | 15.6 | 730 |
| R615316 | | 5.23 | 16.30 | 0.07 | 2.9 | 0.046 | 2.61 | 39.1 | 15.8 | 2.11 | 996 | 6.86 | 0.06 | 27.4 | 37.2 | 1900 |
| R615317 | | 4.90 | 12.80 | 0.06 | 2.7 | 0.049 | 2.19 | 33.9 | 10.7 | 2.47 | 1280 | 2.56 | 0.05 | 24.4 | 43.7 | 1450 |
| R615318 | | 2.59 | 30.1 | 0.21 | 5.3 | 0.096 | 4.91 | 55.2 | 14.0 | 1.31 | 467 | 8.68 | 0.11 | 49.9 | 27.1 | 2540 |
| R615319 | | 5.98 | 19.55 | 0.13 | 3.3 | 0.070 | 3.36 | 43.3 | 10.1 | 1.70 | 921 | 2.13 | 0.07 | 34.6 | 63.1 | 1330 |
| R615320 | | 10.20 | 14.90 | 0.07 | 0.9 | 1.205 | 1.88 | 13.6 | 10.3 | 1.23 | 1020 | 30.5 | 1.67 | 3.3 | 16.6 | 1070 |
| R615321 | | 5.12 | 18.85 | 0.08 | 3.2 | 0.069 | 3.42 | 42.1 | 12.7 | 1.44 | 587 | 5.09 | 0.07 | 28.4 | 83.7 | 1650 |
| R615322 | | 4.74 | 21.6 | 0.16 | 3.5 | 0.076 | 3.66 | 50.4 | 15.4 | 1.66 | 689 | 2.38 | 0.07 | 38.5 | 49.1 | 1580 |
| R615323 | | 3.83 | 21.9 | 0.16 | 3.7 | 0.078 | 3.59 | 40.4 | 13.0 | 1.51 | 772 | 1.69 | 0.08 | 34.9 | 47.5 | 1240 |
| R615324 | | 4.30 | 22.4 | 0.21 | 3.5 | 0.078 | 3.71 | 44.2 | 13.1 | 1.23 | 432 | 1.62 | 0.07 | 30.1 | 53.1 | 1580 |
| R615325 | | 3.96 | 24.7 | 0.17 | 4.1 | 0.089 | 3.93 | 46.0 | 13.9 | 1.29 | 452 | 1.29 | 0.08 | 34.4 | 40.0 | 1400 |
| R615326 | | 6.56 | 23.0 | 0.16 | 3.0 | 0.085 | 3.66 | 51.6 | 16.7 | 1.69 | 766 | 1.15 | 0.07 | 39.3 | 80.0 | 1690 |
| R615327 | | 3.99 | 14.10 | 0.12 | 2.0 | 0.053 | 2.13 | 33.2 | 12.4 | 1.49 | 901 | 1.05 | 0.04 | 26.4 | 32.4 | 1410 |
| R615328 | | 4.44 | 22.1 | 0.23 | 3.7 | 0.082 | 3.27 | 55.7 | 18.7 | 1.93 | 964 | 2.55 | 0.07 | 40.0 | 45.6 | 2170 |
| R615329 | | 5.26 | 21.2 | 0.17 | 3.4 | 0.071 | 2.90 | 55.1 | 20.0 | 2.26 | 1080 | 2.59 | 0.06 | 39.0 | 58.7 | 2200 |
| R615330 | | 4.49 | 25.2 | 0.23 | 4.4 | 0.086 | 3.85 | 58.0 | 15.1 | 1.67 | 738 | 2.26 | 0.07 | 45.8 | 75.6 | 2010 |
| R615331 | | 5.41 | 5.51 | <0.05 | 1.0 | 0.044 | 0.86 | 12.4 | 3.5 | 1.79 | 1580 | 0.76 | 0.02 | 10.0 | 63.2 | 430 |
| R615332 | | 4.60 | 22.2 | 0.17 | 3.5 | 0.085 | 3.66 | 58.7 | 12.2 | 1.71 | 751 | 1.77 | 0.08 | 45.0 | 57.7 | 2010 |
| R615333 | | 4.21 | 21.5 | 0.19 | 3.4 | 0.072 | 3.65 | 51.4 | 13.6 | 1.75 | 649 | 2.63 | 0.07 | 39.7 | 81.4 | 2210 |
| R615334 | | 3.31 | 24.5 | 0.19 | 4.3 | 0.085 | 3.85 | 53.4 | 13.0 | 1.36 | 512 | 2.05 | 0.08 | 39.8 | 58.3 | 1900 |
| R615335 | | 3.76 | 23.5 | 0.22 | 3.7 | 0.086 | 3.73 | 54.9 | 13.3 | 1.62 | 677 | 1.63 | 0.08 | 46.8 | 61.7 | 1740 |
| R615336 | | 4.10 | 23.0 | 0.22 | 2.8 | 0.076 | 3.62 | 49.7 | 15.5 | 1.77 | 735 | 1.18 | 0.08 | 43.6 | 57.3 | 1640 |
| R615337 | | 3.74 | 21.0 | 0.22 | 3.1 | 0.080 | 3.33 | 53.7 | 12.8 | 1.70 | 720 | 1.17 | 0.07 | 45.1 | 49.9 | 1680 |
| R615338 | | 2.15 | 11.35 | 0.16 | 1.5 | 0.032 | 1.40 | 11.7 | 16.4 | 0.41 | 937 | 40.1 | 2.19 | 5.2 | 10.8 | 350 |
| R615339 | | 3.54 | 16.40 | 0.21 | 2.8 | 0.060 | 2.74 | 44.4 | 12.7 | 1.83 | 1100 | 3.83 | 0.06 | 34.8 | 23.6 | 2060 |
| R615340 | | 5.74 | 18.30 | 0.17 | 3.4 | 0.071 | 3.21 | 47.1 | 12.5 | 1.82 | 686 | 6.18 | 0.07 | 37.6 | 40.9 | 2280 |

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 3-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228443

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R615301 | | 4.2 | 16.3 | <0.002 | >10.0 | 2.92 | 2.7 | 8 | 2.6 | 34.2 | 0.09 | 1.27 | 1.73 | 0.042 | 0.12 | 1.8 |
| R615302 | | <0.5 | 0.4 | <0.002 | 0.02 | 0.08 | 0.2 | <1 | <0.2 | 87.2 | <0.05 | <0.05 | 0.07 | 0.005 | 0.02 | 0.4 |
| R615303 | | 2.8 | 152.5 | 0.013 | 1.00 | 0.88 | 16.2 | 1 | 18.4 | 42.4 | 1.77 | 0.06 | 12.70 | 0.625 | 0.77 | 6.2 |
| R615304 | | 2.9 | 161.5 | 0.006 | 0.93 | 0.76 | 15.6 | 2 | 14.8 | 50.8 | 1.67 | <0.05 | 12.05 | 0.615 | 0.80 | 4.1 |
| R615305 | | 4.0 | 157.0 | 0.004 | 0.64 | 0.49 | 17.7 | 1 | 14.4 | 52.0 | 2.01 | <0.05 | 13.95 | 0.721 | 0.77 | 3.5 |
| R615306 | | 8.0 | 80.6 | 0.003 | >10.0 | 1.72 | 11.6 | 5 | 7.4 | 70.1 | 0.65 | 0.87 | 7.81 | 0.255 | 0.44 | 2.5 |
| R615307 | | 7.7 | 73.9 | 0.003 | >10.0 | 1.88 | 10.5 | 5 | 6.9 | 72.2 | 0.62 | 0.91 | 7.08 | 0.242 | 0.38 | 2.6 |
| R615308 | | 7.9 | 159.0 | <0.002 | 0.61 | 0.62 | 15.6 | <1 | 14.4 | 67.4 | 1.82 | 0.09 | 11.70 | 0.641 | 0.82 | 2.8 |
| R615309 | | 2.8 | 170.5 | <0.002 | 1.36 | 0.51 | 16.1 | 1 | 16.5 | 68.1 | 1.53 | <0.05 | 11.15 | 0.579 | 1.22 | 1.8 |
| R615310 | | 4.3 | 153.0 | 0.002 | 1.65 | 0.52 | 15.5 | 1 | 16.5 | 67.8 | 1.49 | <0.05 | 10.50 | 0.542 | 0.91 | 1.9 |
| R615311 | | 5.3 | 159.5 | 0.002 | 0.86 | 0.85 | 18.0 | 1 | 16.9 | 54.5 | 1.75 | <0.05 | 12.35 | 0.637 | 0.75 | 2.8 |
| R615312 | | 3.1 | 179.0 | 0.002 | 1.14 | 0.50 | 17.8 | 1 | 15.6 | 55.9 | 1.65 | <0.05 | 12.20 | 0.618 | 1.10 | 2.4 |
| R615313 | | 6.5 | 137.0 | <0.002 | 2.18 | 0.47 | 16.7 | 1 | 13.4 | 72.6 | 1.33 | <0.05 | 10.90 | 0.493 | 0.85 | 2.0 |
| R615314 | | 6.7 | 105.0 | <0.002 | 2.59 | 1.31 | 14.1 | 2 | 11.3 | 77.2 | 1.23 | 0.33 | 9.85 | 0.446 | 0.56 | 2.1 |
| R615315 | | 10.2 | 26.9 | 0.003 | 0.87 | 0.64 | 5.2 | 1 | 2.8 | 71.5 | 0.31 | <0.05 | 2.45 | 0.118 | 0.17 | 0.9 |
| R615316 | | 12.2 | 109.5 | 0.007 | 1.63 | 0.97 | 12.2 | 2 | 12.0 | 62.9 | 1.54 | <0.05 | 9.17 | 0.508 | 0.62 | 4.7 |
| R615317 | | 7.4 | 94.7 | 0.003 | 1.19 | 1.73 | 9.1 | 1 | 8.8 | 89.9 | 1.24 | <0.05 | 8.09 | 0.507 | 0.51 | 3.4 |
| R615318 | | 9.1 | 185.5 | 0.013 | 0.53 | 1.46 | 21.7 | <1 | 21.3 | 66.7 | 2.80 | <0.05 | 14.60 | 0.968 | 1.11 | 6.2 |
| R615319 | | 6.9 | 140.5 | 0.002 | 2.23 | 0.93 | 13.8 | 3 | 12.8 | 72.6 | 1.73 | 0.05 | 10.40 | 0.616 | 0.72 | 3.8 |
| R615320 | | 807 | 55.4 | 0.024 | 7.48 | 60.8 | 9.5 | 21 | 4.3 | 469 | 0.19 | 0.59 | 3.47 | 0.228 | 4.53 | 1.9 |
| R615321 | | 11.1 | 138.5 | 0.003 | 1.89 | 1.25 | 13.4 | 2 | 12.6 | 43.9 | 1.46 | 0.09 | 10.55 | 0.667 | 0.80 | 4.3 |
| R615322 | | 8.4 | 162.5 | 0.003 | 1.41 | 1.47 | 14.8 | 2 | 12.8 | 54.8 | 2.05 | 0.07 | 11.25 | 0.759 | 0.93 | 3.7 |
| R615323 | | 3.1 | 149.0 | 0.006 | 0.95 | 1.36 | 15.3 | 2 | 12.8 | 63.0 | 1.87 | <0.05 | 12.05 | 0.824 | 0.84 | 4.0 |
| R615324 | | 8.4 | 159.5 | 0.004 | 1.45 | 1.04 | 15.9 | 2 | 11.3 | 43.8 | 1.66 | 0.06 | 12.10 | 0.720 | 0.92 | 4.2 |
| R615325 | | 6.7 | 168.0 | 0.004 | 1.29 | 1.16 | 17.9 | 2 | 11.5 | 47.4 | 1.89 | <0.05 | 13.40 | 0.798 | 0.94 | 4.3 |
| R615326 | | 8.6 | 150.5 | 0.007 | 2.37 | 1.64 | 17.0 | 3 | 11.1 | 65.8 | 2.15 | 0.07 | 11.10 | 0.926 | 0.82 | 3.5 |
| R615327 | | 10.5 | 91.2 | 0.003 | 1.06 | 0.92 | 10.3 | 1 | 7.0 | 65.4 | 1.39 | <0.05 | 6.56 | 0.608 | 0.51 | 2.5 |
| R615328 | | 12.2 | 140.0 | 0.004 | 0.89 | 1.12 | 15.4 | 2 | 12.3 | 88.6 | 2.19 | <0.05 | 11.90 | 0.928 | 0.73 | 4.1 |
| R615329 | | 11.7 | 132.0 | 0.004 | 1.12 | 1.24 | 15.0 | 1 | 11.3 | 95.5 | 2.06 | <0.05 | 11.75 | 0.865 | 0.71 | 4.0 |
| R615330 | | 19.9 | 174.0 | 0.003 | 1.25 | 1.73 | 17.9 | 2 | 11.8 | 72.4 | 2.48 | 0.06 | 12.75 | 1.010 | 0.96 | 4.6 |
| R615331 | | 13.5 | 37.7 | <0.002 | 1.99 | 0.67 | 6.4 | 3 | 2.7 | 112.0 | 0.57 | <0.05 | 3.00 | 0.242 | 0.23 | 1.3 |
| R615332 | | 13.6 | 151.5 | 0.005 | 1.26 | 1.08 | 15.8 | 2 | 10.9 | 84.5 | 2.51 | <0.05 | 12.75 | 1.055 | 0.85 | 3.9 |
| R615333 | | 7.8 | 162.0 | 0.005 | 1.14 | 1.05 | 15.3 | 1 | 10.3 | 73.7 | 2.10 | <0.05 | 10.85 | 0.918 | 0.88 | 3.8 |
| R615334 | | 14.9 | 164.0 | 0.006 | 0.88 | 1.41 | 17.6 | 1 | 10.9 | 66.9 | 2.22 | <0.05 | 12.85 | 0.924 | 0.91 | 4.3 |
| R615335 | | 6.0 | 158.0 | 0.003 | 0.84 | 1.21 | 17.3 | 2 | 11.0 | 85.4 | 2.55 | <0.05 | 12.65 | 1.040 | 0.85 | 3.9 |
| R615336 | | 8.0 | 159.5 | 0.003 | 0.93 | 0.94 | 16.5 | 2 | 10.4 | 90.7 | 2.31 | <0.05 | 11.10 | 0.943 | 0.84 | 3.0 |
| R615337 | | 15.5 | 142.5 | 0.002 | 0.81 | 1.20 | 14.6 | 2 | 9.6 | 95.8 | 2.45 | <0.05 | 12.05 | 0.770 | 0.71 | 3.4 |
| R615338 | | 352 | 40.8 | 0.009 | 0.41 | 37.0 | 5.4 | 2 | 1.8 | 228 | 0.37 | 0.35 | 3.06 | 0.157 | 0.78 | 1.5 |
| R615339 | | 9.6 | 115.5 | 0.005 | 0.69 | 0.93 | 11.7 | 1 | 7.9 | 129.5 | 1.72 | <0.05 | 10.10 | 0.508 | 0.64 | 3.8 |
| R615340 | | 8.4 | 137.0 | 0.010 | 1.93 | 1.04 | 14.3 | 2 | 9.5 | 89.3 | 1.96 | <0.05 | 10.65 | 0.582 | 0.72 | 5.1 |

***** See Appendix Page for comments regarding this certificate *****

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 3-JAN-2021**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228443

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R615301 | | 21 | 0.9 | 6.9 | 8 | 19.2 |
| R615302 | | 1 | 0.1 | 1.9 | 4 | 1.5 |
| R615303 | | 235 | 6.8 | 20.9 | 23 | 159.0 |
| R615304 | | 161 | 5.1 | 24.4 | 21 | 135.0 |
| R615305 | | 165 | 5.4 | 23.5 | 16 | 136.5 |
| R615306 | | 87 | 2.5 | 12.3 | 16 | 71.9 |
| R615307 | | 79 | 2.3 | 11.0 | 15 | 69.1 |
| R615308 | | 135 | 5.4 | 26.3 | 29 | 105.0 |
| R615309 | | 133 | 5.4 | 24.8 | 42 | 91.3 |
| R615310 | | 130 | 5.7 | 20.4 | 34 | 98.4 |
| R615311 | | 144 | 5.4 | 22.9 | 21 | 118.0 |
| R615312 | | 156 | 4.4 | 21.7 | 33 | 123.0 |
| R615313 | | 124 | 7.4 | 21.5 | 33 | 83.0 |
| R615314 | | 110 | 4.9 | 27.0 | 41 | 75.4 |
| R615315 | | 35 | 1.3 | 14.7 | 31 | 28.5 |
| R615316 | | 149 | 4.4 | 18.1 | 32 | 112.5 |
| R615317 | | 106 | 2.7 | 15.7 | 30 | 114.5 |
| R615318 | | 253 | 5.7 | 25.3 | 32 | 201 |
| R615319 | | 146 | 3.2 | 21.6 | 26 | 150.5 |
| R615320 | | 130 | 6.9 | 10.5 | 2140 | 31.4 |
| R615321 | | 177 | 3.3 | 19.9 | 26 | 139.0 |
| R615322 | | 155 | 3.3 | 22.0 | 41 | 151.5 |
| R615323 | | 163 | 3.6 | 18.6 | 22 | 154.0 |
| R615324 | | 168 | 2.8 | 18.7 | 23 | 149.5 |
| R615325 | | 179 | 2.9 | 20.6 | 32 | 172.5 |
| R615326 | | 170 | 2.9 | 21.5 | 31 | 133.0 |
| R615327 | | 109 | 2.1 | 14.6 | 37 | 85.2 |
| R615328 | | 171 | 3.6 | 21.8 | 65 | 155.0 |
| R615329 | | 155 | 3.3 | 23.8 | 45 | 146.5 |
| R615330 | | 187 | 3.4 | 25.0 | 44 | 185.5 |
| R615331 | | 44 | 0.8 | 17.1 | 20 | 40.9 |
| R615332 | | 179 | 3.1 | 21.9 | 32 | 155.0 |
| R615333 | | 171 | 2.4 | 20.7 | 33 | 149.0 |
| R615334 | | 183 | 2.4 | 22.6 | 43 | 195.5 |
| R615335 | | 180 | 3.0 | 21.2 | 27 | 152.5 |
| R615336 | | 169 | 2.7 | 19.0 | 36 | 123.5 |
| R615337 | | 144 | 2.4 | 23.1 | 37 | 137.5 |
| R615338 | | 40 | 8.7 | 14.1 | 819 | 51.4 |
| R615339 | | 126 | 1.7 | 21.3 | 32 | 122.0 |
| R615340 | | 159 | 2.0 | 22.0 | 35 | 146.5 |

***** See Appendix Page for comments regarding this certificate *****

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 3-JAN-2021**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228443

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20228448

Project: Rau

P.O. No.: R20-D54

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228448

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W231391 | | 3.26 | 0.06 | 0.10 | 4.21 | 13.6 | 340 | 1.11 | 0.49 | 3.36 | 0.08 | 73.1 | 21.2 | 33 | 2.07 | 84.0 |
| W231392 | | 4.05 | 0.01 | 0.10 | 6.70 | 50.6 | 1150 | 1.89 | 1.17 | 2.48 | 0.04 | 98.6 | 19.9 | 52 | 5.56 | 52.5 |
| W231393 | | 2.82 | 0.01 | 0.03 | 8.71 | 9.2 | 1860 | 2.07 | 0.40 | 2.00 | 0.03 | 113.5 | 9.3 | 66 | 8.86 | 21.6 |
| W231394 | | 0.94 | 0.02 | 0.10 | 5.90 | 86.6 | 220 | 1.90 | 2.01 | 1.81 | 0.05 | 76.6 | 50.3 | 54 | 6.30 | 56.9 |
| W231395 | | 2.54 | 0.03 | 0.04 | 6.81 | 15.0 | 1580 | 2.06 | 0.46 | 2.43 | 0.02 | 92.6 | 13.2 | 56 | 6.86 | 23.3 |
| W231396 | | 2.51 | 0.01 | 0.01 | 6.38 | 15.9 | 1490 | 1.98 | 0.30 | 2.61 | 0.03 | 84.7 | 9.8 | 51 | 6.53 | 15.8 |
| W231397 | | 5.97 | <0.01 | 0.04 | 6.59 | 21.1 | 1470 | 2.13 | 0.33 | 2.91 | 0.10 | 96.9 | 12.5 | 51 | 7.03 | 14.9 |
| W231398 | | 7.65 | 0.01 | 0.05 | 7.15 | 29.0 | 1620 | 2.32 | 0.57 | 2.50 | 0.04 | 100.0 | 20.1 | 58 | 6.92 | 40.6 |
| W231399 | | 3.70 | 0.02 | 0.05 | 6.88 | 12.8 | 1410 | 2.17 | 0.33 | 2.86 | 0.21 | 95.6 | 15.1 | 56 | 6.30 | 45.2 |
| W231400 | | 2.33 | <0.01 | 0.10 | 5.25 | 59.9 | 600 | 1.40 | 0.53 | 4.65 | 0.08 | 72.6 | 32.6 | 40 | 4.01 | 83.5 |
| W231401 | | 4.72 | 0.01 | 0.03 | 7.53 | 11.1 | 1740 | 2.20 | 0.29 | 2.23 | <0.02 | 117.0 | 12.2 | 59 | 9.75 | 21.0 |
| W231402 | | 5.34 | 0.01 | 0.04 | 7.04 | 25.4 | 1450 | 2.20 | 0.49 | 2.25 | <0.02 | 112.5 | 19.7 | 55 | 8.10 | 30.6 |
| W231403 | | 2.09 | <0.01 | 0.03 | 7.78 | 10.7 | 1790 | 2.45 | 0.39 | 1.37 | 0.02 | 116.0 | 12.5 | 58 | 7.95 | 29.5 |
| W231404 | | 2.05 | 0.02 | 0.03 | 6.34 | 47.5 | 1460 | 1.73 | 0.56 | 2.63 | <0.02 | 87.2 | 16.5 | 47 | 5.96 | 34.1 |
| W231405 | | 0.16 | 0.86 | 68.5 | 5.76 | 139.0 | 2030 | 1.63 | 1.49 | 4.16 | 4.43 | 23.1 | 4.5 | 21 | 1.22 | 521 |
| W231406 | | 3.77 | 0.01 | 0.06 | 7.22 | 30.8 | 1540 | 2.29 | 0.45 | 3.01 | <0.02 | 102.0 | 16.1 | 56 | 7.31 | 33.8 |
| W231407 | | 1.66 | 0.01 | 0.07 | 6.87 | 19.7 | 1380 | 2.11 | 0.32 | 2.51 | 0.03 | 102.5 | 16.5 | 43 | 5.25 | 49.2 |
| W231408 | | 3.37 | 0.01 | 0.06 | 7.30 | 26.8 | 190 | 2.17 | 0.70 | 4.51 | 0.15 | 106.5 | 15.2 | 44 | 4.56 | 42.8 |
| W231409 | | 4.85 | 0.06 | 0.05 | 7.38 | 35.7 | 1390 | 2.18 | 0.61 | 2.87 | 0.05 | 108.0 | 16.3 | 46 | 5.00 | 50.3 |
| W231410 | | 4.50 | 0.04 | 0.06 | 7.55 | 12.1 | 1580 | 2.09 | 0.58 | 2.85 | <0.02 | 112.5 | 5.5 | 52 | 4.40 | 36.9 |
| W231411 | | 2.13 | 0.02 | 0.10 | 4.20 | 5.8 | 420 | 1.10 | 0.95 | 2.37 | 0.07 | 52.3 | 10.3 | 33 | 2.26 | 100.5 |
| W231412 | | 1.76 | <0.01 | 0.01 | 0.25 | <0.2 | 30 | 0.27 | 0.02 | 33.1 | <0.02 | 1.22 | 0.8 | 3 | <0.05 | 2.5 |
| W231413 | | 2.04 | 0.01 | 0.12 | 7.14 | 12.0 | 1410 | 1.83 | 0.63 | 4.40 | <0.02 | 118.5 | 4.7 | 52 | 3.87 | 39.2 |
| W231414 | | 3.57 | 0.01 | 0.07 | 5.95 | 3.7 | 1220 | 1.65 | 0.13 | 3.56 | 0.08 | 89.9 | 3.5 | 45 | 3.46 | 23.2 |
| W231415 | | 0.26 | 3.60 | 5.94 | 7.83 | 1820 | 140 | 1.50 | 0.50 | 3.08 | 1.14 | 39.8 | 22.0 | 17 | 7.70 | 189.0 |
| W231416 | | 4.02 | 0.05 | 0.09 | 7.04 | 1950 | 1350 | 1.98 | 0.92 | 3.15 | 0.02 | 108.5 | 17.9 | 49 | 3.93 | 67.1 |
| W231417 | | 3.31 | 0.01 | 0.05 | 7.17 | 1060 | 1410 | 1.89 | 0.83 | 2.99 | 0.03 | 101.5 | 26.5 | 55 | 3.83 | 35.0 |
| W231418 | | 2.59 | 1.20 | 0.28 | 3.74 | >10000 | 20 | 1.01 | 4.09 | 0.57 | 0.03 | 32.0 | 574 | 27 | 1.68 | 702 |
| W231419 | | <0.02 | 1.28 | 0.29 | 3.50 | >10000 | 20 | 1.08 | 4.40 | 0.58 | 0.10 | 31.8 | 556 | 26 | 1.56 | 677 |
| W231420 | | 1.95 | 0.01 | 0.04 | 4.53 | 442 | 890 | 1.22 | 0.11 | 1.89 | 0.09 | 48.4 | 7.5 | 47 | 2.33 | 23.2 |
| W231421 | | 2.13 | 0.01 | 0.03 | 4.40 | 162.0 | 900 | 1.34 | 0.25 | 2.85 | 0.12 | 69.1 | 5.2 | 44 | 2.42 | 20.9 |
| W231422 | | 3.29 | <0.01 | 0.01 | 7.47 | 17.5 | 1550 | 2.37 | 0.49 | 3.21 | <0.02 | 125.0 | 2.0 | 61 | 4.67 | 18.4 |
| W231423 | | 3.97 | 0.01 | 0.04 | 6.40 | 25.1 | 1330 | 2.28 | 0.64 | 2.85 | 0.05 | 95.5 | 4.2 | 55 | 4.03 | 22.3 |
| W231424 | | 5.09 | <0.01 | 0.03 | 7.35 | 9.7 | 1480 | 2.72 | 0.97 | 3.30 | 0.06 | 117.0 | 11.7 | 58 | 4.76 | 45.4 |
| W231425 | | 3.23 | <0.01 | 0.06 | 6.60 | 7.1 | 630 | 2.44 | 1.09 | 3.62 | 0.08 | 101.0 | 13.4 | 82 | 4.28 | 52.3 |
| W231426 | | 3.84 | 0.01 | 0.08 | 4.79 | 7.1 | 920 | 1.51 | 1.56 | 5.14 | 0.09 | 68.9 | 11.4 | 83 | 2.73 | 45.6 |
| W231427 | | 4.37 | <0.01 | 0.08 | 5.82 | 11.4 | 890 | 1.85 | 1.28 | 3.12 | 0.05 | 78.4 | 13.4 | 89 | 3.44 | 48.9 |
| W231428 | | 3.43 | 0.01 | 0.11 | 5.96 | 16.9 | 270 | 1.99 | 1.97 | 4.64 | 0.07 | 84.9 | 20.4 | 112 | 3.52 | 79.6 |
| W231429 | | 4.74 | 0.03 | 0.13 | 4.78 | 83.4 | 320 | 1.64 | 1.65 | 4.62 | 0.08 | 65.4 | 20.6 | 83 | 2.78 | 57.7 |
| W231430 | | 3.44 | 0.01 | 0.26 | 7.52 | 84.2 | 780 | 2.30 | 2.40 | 4.11 | 0.03 | 98.7 | 17.8 | 130 | 4.81 | 52.1 |

***** See Appendix Page for comments regarding this certificate *****

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228448

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W231391 | | 4.07 | 11.10 | 0.15 | 1.5 | 0.040 | 1.66 | 38.7 | 5.3 | 1.40 | 831 | 1.39 | 0.10 | 25.7 | 42.9 | 1580 |
| W231392 | | 4.43 | 17.95 | 0.16 | 2.8 | 0.063 | 2.98 | 51.9 | 11.0 | 1.57 | 556 | 3.52 | 0.10 | 46.4 | 49.4 | 2060 |
| W231393 | | 5.60 | 20.3 | 0.18 | 2.4 | 0.065 | 3.98 | 59.7 | 15.0 | 2.26 | 585 | 1.33 | 0.11 | 56.4 | 17.8 | 2750 |
| W231394 | | 6.50 | 15.50 | 0.15 | 2.8 | 0.055 | 2.67 | 39.6 | 13.0 | 1.63 | 566 | 8.08 | 0.08 | 29.6 | 60.8 | 1920 |
| W231395 | | 4.41 | 17.85 | 0.16 | 2.5 | 0.060 | 3.19 | 49.5 | 13.6 | 1.82 | 603 | 2.04 | 0.09 | 41.0 | 27.3 | 1660 |
| W231396 | | 4.02 | 16.85 | 0.16 | 2.4 | 0.061 | 2.99 | 45.5 | 13.2 | 1.82 | 643 | 1.91 | 0.08 | 39.5 | 19.7 | 1510 |
| W231397 | | 4.27 | 17.75 | 0.16 | 1.8 | 0.063 | 2.89 | 51.3 | 20.5 | 2.01 | 641 | 1.45 | 0.07 | 45.7 | 21.4 | 1730 |
| W231398 | | 4.35 | 18.75 | 0.17 | 2.3 | 0.058 | 3.18 | 52.4 | 15.1 | 1.83 | 543 | 1.04 | 0.12 | 40.0 | 28.0 | 1860 |
| W231399 | | 4.56 | 17.35 | 0.17 | 1.9 | 0.062 | 2.97 | 50.7 | 19.8 | 1.88 | 548 | 0.60 | 0.07 | 41.8 | 24.1 | 1730 |
| W231400 | | 4.96 | 12.75 | 0.13 | 1.5 | 0.051 | 1.99 | 38.3 | 16.7 | 1.80 | 615 | 0.67 | 0.06 | 29.7 | 35.7 | 1380 |
| W231401 | | 4.85 | 20.7 | 0.18 | 2.1 | 0.065 | 3.58 | 62.4 | 22.3 | 2.18 | 467 | 0.63 | 0.08 | 54.3 | 20.1 | 1740 |
| W231402 | | 5.47 | 18.45 | 0.18 | 2.0 | 0.063 | 2.98 | 60.0 | 25.2 | 2.30 | 444 | 0.79 | 0.06 | 48.4 | 28.3 | 1820 |
| W231403 | | 4.58 | 20.3 | 0.18 | 2.6 | 0.074 | 3.48 | 60.9 | 21.0 | 1.88 | 287 | 1.16 | 0.10 | 40.3 | 25.9 | 2060 |
| W231404 | | 4.13 | 17.35 | 0.15 | 2.0 | 0.066 | 2.83 | 45.4 | 15.1 | 1.84 | 489 | 1.33 | 0.07 | 33.1 | 20.7 | 1690 |
| W231405 | | 2.30 | 10.85 | 0.10 | 1.5 | 0.034 | 1.46 | 12.4 | 17.1 | 0.45 | 1000 | 41.6 | 2.33 | 5.2 | 10.1 | 380 |
| W231406 | | 4.62 | 19.00 | 0.17 | 2.5 | 0.066 | 3.24 | 53.9 | 17.4 | 2.00 | 419 | 1.21 | 0.07 | 46.1 | 29.3 | 1920 |
| W231407 | | 4.37 | 19.00 | 0.20 | 2.5 | 0.072 | 2.91 | 54.3 | 14.4 | 1.86 | 667 | 0.98 | 0.07 | 47.4 | 29.0 | 1520 |
| W231408 | | 6.26 | 19.45 | 0.19 | 2.3 | 0.072 | 2.90 | 55.9 | 10.7 | 1.69 | 661 | 1.07 | 0.08 | 50.2 | 24.3 | 1720 |
| W231409 | | 4.99 | 19.70 | 0.17 | 2.5 | 0.066 | 3.00 | 56.9 | 13.2 | 2.10 | 801 | 1.04 | 0.10 | 47.0 | 33.7 | 1680 |
| W231410 | | 2.91 | 20.6 | 0.16 | 2.9 | 0.065 | 3.26 | 58.9 | 9.2 | 1.43 | 591 | 1.81 | 0.11 | 49.7 | 18.4 | 1900 |
| W231411 | | 3.76 | 10.75 | 0.11 | 1.6 | 0.037 | 1.75 | 27.3 | 5.1 | 1.22 | 711 | 1.78 | 0.07 | 25.1 | 23.8 | 1080 |
| W231412 | | 0.11 | 0.86 | 0.05 | 0.2 | <0.005 | 0.07 | 1.2 | 1.2 | 1.85 | 111 | <0.05 | 0.13 | 1.0 | <0.2 | 60 |
| W231413 | | 3.08 | 18.90 | 0.16 | 3.2 | 0.064 | 3.06 | 62.5 | 7.0 | 1.98 | 882 | 4.36 | 0.12 | 49.6 | 18.9 | 1860 |
| W231414 | | 2.85 | 16.50 | 0.13 | 2.2 | 0.058 | 2.59 | 48.5 | 6.1 | 1.48 | 896 | 0.67 | 0.10 | 37.0 | 11.2 | 1270 |
| W231415 | | 6.34 | 16.40 | 0.15 | 1.6 | 0.064 | 2.93 | 20.1 | 38.1 | 1.08 | 1380 | 3.19 | 0.35 | 6.6 | 11.6 | 1940 |
| W231416 | | 3.31 | 19.55 | 0.17 | 2.8 | 0.063 | 2.96 | 57.2 | 7.4 | 1.61 | 755 | 1.16 | 0.13 | 47.4 | 22.9 | 1850 |
| W231417 | | 2.75 | 19.60 | 0.17 | 3.8 | 0.059 | 2.83 | 53.1 | 7.7 | 1.60 | 675 | 2.63 | 0.17 | 58.9 | 24.2 | 2130 |
| W231418 | | 34.3 | 9.86 | 0.22 | 1.4 | 0.074 | 1.30 | 16.1 | 3.6 | 0.50 | 301 | 1.66 | 0.11 | 9.9 | 176.0 | 1030 |
| W231419 | | 32.8 | 9.49 | 0.16 | 1.6 | 0.057 | 1.23 | 15.0 | 3.7 | 0.51 | 314 | 1.51 | 0.11 | 9.6 | 174.0 | 940 |
| W231420 | | 1.93 | 12.65 | 0.13 | 2.3 | 0.028 | 1.76 | 25.7 | 4.8 | 1.08 | 514 | 0.60 | 0.11 | 36.2 | 5.1 | 870 |
| W231421 | | 1.88 | 12.35 | 0.14 | 1.9 | 0.029 | 1.85 | 38.3 | 5.1 | 1.38 | 672 | 1.34 | 0.08 | 28.4 | 10.6 | 1560 |
| W231422 | | 2.17 | 22.0 | 0.21 | 3.9 | 0.064 | 3.33 | 67.7 | 8.7 | 1.67 | 662 | 1.48 | 0.11 | 62.7 | 22.1 | 1890 |
| W231423 | | 2.31 | 18.50 | 0.16 | 3.0 | 0.062 | 2.91 | 52.8 | 7.3 | 1.45 | 468 | 1.17 | 0.08 | 51.3 | 21.7 | 1600 |
| W231424 | | 3.47 | 21.6 | 0.19 | 3.2 | 0.080 | 3.30 | 65.0 | 11.2 | 1.81 | 603 | 1.09 | 0.08 | 58.5 | 33.1 | 1670 |
| W231425 | | 4.20 | 18.25 | 0.17 | 3.3 | 0.068 | 2.89 | 55.2 | 11.3 | 1.88 | 600 | 4.38 | 0.07 | 37.7 | 41.8 | 2400 |
| W231426 | | 3.95 | 12.50 | 0.11 | 2.7 | 0.050 | 2.03 | 37.6 | 9.9 | 2.11 | 761 | 5.86 | 0.05 | 24.7 | 42.9 | 1860 |
| W231427 | | 3.85 | 15.65 | 0.13 | 3.2 | 0.050 | 2.55 | 40.6 | 8.8 | 1.60 | 479 | 3.87 | 0.06 | 29.2 | 38.6 | 1870 |
| W231428 | | 5.29 | 16.20 | 0.15 | 3.2 | 0.060 | 2.65 | 45.6 | 9.4 | 2.14 | 767 | 6.87 | 0.06 | 29.9 | 71.8 | 2520 |
| W231429 | | 4.82 | 12.70 | 0.12 | 2.5 | 0.049 | 2.06 | 36.1 | 7.9 | 2.30 | 849 | 4.02 | 0.05 | 22.1 | 58.8 | 2130 |
| W231430 | | 4.26 | 21.1 | 0.18 | 4.1 | 0.080 | 3.46 | 52.9 | 10.4 | 2.21 | 701 | 6.56 | 0.08 | 40.1 | 59.4 | 3250 |

***** See Appendix Page for comments regarding this certificate *****

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228448

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W231391 | | 5.7 | 58.0 | 0.002 | 2.60 | 0.82 | 8.5 | 2 | 7.8 | 86.6 | 1.29 | 0.06 | 6.70 | 0.397 | 0.33 | 1.7 |
| W231392 | | 4.4 | 112.5 | 0.003 | 1.63 | 1.14 | 13.9 | 1 | 9.2 | 93.9 | 2.35 | 0.08 | 10.85 | 0.725 | 0.66 | 3.5 |
| W231393 | | 3.0 | 137.5 | 0.002 | 0.71 | 0.66 | 14.3 | 1 | 7.8 | 92.9 | 2.98 | <0.05 | 13.10 | 1.000 | 0.87 | 2.8 |
| W231394 | | 3.9 | 103.0 | 0.010 | 3.01 | 1.24 | 11.8 | 2 | 6.4 | 61.7 | 1.55 | 0.09 | 9.74 | 0.542 | 0.67 | 3.7 |
| W231395 | | 2.4 | 122.5 | 0.002 | 0.68 | 1.15 | 13.2 | 1 | 6.0 | 75.2 | 2.15 | <0.05 | 12.10 | 0.659 | 0.77 | 2.9 |
| W231396 | | 2.2 | 116.0 | 0.002 | 0.38 | 0.60 | 12.4 | 1 | 5.7 | 77.4 | 2.05 | <0.05 | 11.15 | 0.637 | 0.70 | 2.7 |
| W231397 | | 2.7 | 115.0 | 0.002 | 0.35 | 0.60 | 12.7 | 1 | 5.4 | 73.2 | 2.33 | <0.05 | 11.60 | 0.642 | 0.70 | 2.0 |
| W231398 | | 3.3 | 126.0 | 0.002 | 0.80 | 0.72 | 13.6 | 1 | 5.0 | 92.6 | 2.07 | 0.05 | 12.90 | 0.661 | 0.74 | 2.6 |
| W231399 | | 5.6 | 114.5 | 0.002 | 0.82 | 1.05 | 12.7 | 1 | 5.0 | 65.1 | 2.12 | <0.05 | 12.00 | 0.667 | 0.67 | 2.0 |
| W231400 | | 7.0 | 70.3 | 0.002 | 2.10 | 1.67 | 9.2 | 1 | 4.6 | 91.3 | 1.55 | 0.05 | 9.06 | 0.475 | 0.41 | 1.6 |
| W231401 | | 3.2 | 150.5 | <0.002 | 0.49 | 0.95 | 14.8 | 1 | 6.0 | 58.7 | 2.76 | <0.05 | 14.30 | 0.752 | 0.97 | 2.0 |
| W231402 | | 3.0 | 132.0 | 0.004 | 0.78 | 0.82 | 13.0 | 1 | 5.6 | 49.2 | 2.50 | <0.05 | 13.85 | 0.733 | 0.88 | 2.3 |
| W231403 | | 2.4 | 141.5 | 0.002 | 0.85 | 0.91 | 15.8 | 1 | 6.8 | 56.7 | 2.14 | <0.05 | 13.05 | 0.681 | 0.87 | 2.9 |
| W231404 | | 1.9 | 111.5 | 0.002 | 0.85 | 0.63 | 13.0 | 1 | 6.4 | 61.0 | 1.68 | <0.05 | 10.35 | 0.489 | 0.66 | 2.1 |
| W231405 | | 378 | 41.6 | 0.008 | 0.45 | 37.9 | 5.5 | 1 | 1.7 | 258 | 0.37 | 0.34 | 3.22 | 0.165 | 0.66 | 1.6 |
| W231406 | | 2.0 | 132.5 | 0.002 | 0.82 | 0.87 | 14.3 | 1 | 6.5 | 65.6 | 2.36 | <0.05 | 12.35 | 0.736 | 0.77 | 3.0 |
| W231407 | | 5.3 | 118.5 | 0.002 | 1.10 | 1.19 | 13.8 | 1 | 6.8 | 71.4 | 2.49 | <0.05 | 11.95 | 0.602 | 0.59 | 2.6 |
| W231408 | | 3.5 | 108.5 | 0.002 | 3.27 | 1.97 | 14.3 | 1 | 7.1 | 72.1 | 2.65 | <0.05 | 12.15 | 0.620 | 0.68 | 3.3 |
| W231409 | | 5.4 | 115.0 | 0.002 | 1.67 | 0.87 | 14.4 | 1 | 10.0 | 88.1 | 2.41 | <0.05 | 12.75 | 0.561 | 0.63 | 2.6 |
| W231410 | | 4.3 | 123.5 | 0.002 | 0.84 | 0.79 | 15.5 | 1 | 11.6 | 99.1 | 2.60 | <0.05 | 12.75 | 0.766 | 0.59 | 3.3 |
| W231411 | | 5.0 | 63.4 | 0.002 | 2.30 | 0.48 | 8.2 | 2 | 7.3 | 62.7 | 1.29 | <0.05 | 6.54 | 0.366 | 0.36 | 1.8 |
| W231412 | | 0.6 | 1.9 | <0.002 | 0.01 | 0.11 | 0.2 | 1 | <0.2 | 80.6 | 0.10 | <0.05 | 0.18 | 0.007 | 0.02 | 0.4 |
| W231413 | | 4.9 | 116.5 | 0.002 | 0.43 | 0.60 | 14.0 | 1 | 14.8 | 145.0 | 2.62 | <0.05 | 12.90 | 0.696 | 0.57 | 3.4 |
| W231414 | | 3.9 | 99.4 | 0.002 | 1.00 | 0.86 | 11.9 | 1 | 11.8 | 95.4 | 1.89 | <0.05 | 10.55 | 0.521 | 0.52 | 2.2 |
| W231415 | | 32.9 | 115.0 | <0.002 | 4.24 | 23.7 | 22.0 | 17 | 1.8 | 192.0 | 0.35 | 0.12 | 4.29 | 0.416 | 2.07 | 2.0 |
| W231416 | | 3.0 | 113.5 | 0.002 | 1.52 | 1.06 | 14.6 | 1 | 15.1 | 119.5 | 2.46 | 0.11 | 12.70 | 0.703 | 0.58 | 2.7 |
| W231417 | | 2.7 | 110.0 | 0.002 | 0.92 | 0.99 | 15.3 | 1 | 17.8 | 96.7 | 3.03 | 0.06 | 13.20 | 0.908 | 0.54 | 4.1 |
| W231418 | | 2.8 | 48.3 | 0.002 | >10.0 | 14.05 | 7.4 | 18 | 5.7 | 26.8 | 0.50 | 5.89 | 5.64 | 0.167 | 0.34 | 1.7 |
| W231419 | | 3.9 | 46.6 | <0.002 | >10.0 | 14.70 | 6.9 | 19 | 5.8 | 27.7 | 0.52 | 5.50 | 5.85 | 0.172 | 0.36 | 1.8 |
| W231420 | | 3.9 | 70.9 | 0.003 | 0.47 | 0.38 | 9.3 | 1 | 11.0 | 56.7 | 1.66 | <0.05 | 9.80 | 0.543 | 0.35 | 2.2 |
| W231421 | | 4.4 | 73.9 | 0.002 | 0.44 | 0.54 | 8.3 | 1 | 9.7 | 89.6 | 1.35 | <0.05 | 7.50 | 0.423 | 0.38 | 1.8 |
| W231422 | | 3.3 | 131.5 | 0.002 | 0.32 | 0.72 | 14.8 | 1 | 14.0 | 115.0 | 3.00 | 0.06 | 15.70 | 0.772 | 0.68 | 3.6 |
| W231423 | | 2.5 | 115.0 | 0.002 | 0.56 | 0.76 | 12.6 | 1 | 10.4 | 98.7 | 2.43 | <0.05 | 12.25 | 0.659 | 0.58 | 3.0 |
| W231424 | | 3.4 | 133.5 | <0.002 | 1.31 | 0.93 | 14.4 | 1 | 11.4 | 101.0 | 2.88 | 0.05 | 15.00 | 0.718 | 0.72 | 3.0 |
| W231425 | | 3.2 | 124.0 | 0.005 | 1.62 | 1.12 | 14.2 | 2 | 10.6 | 105.0 | 1.87 | 0.06 | 11.30 | 0.576 | 0.68 | 4.7 |
| W231426 | | 4.0 | 83.1 | 0.013 | 1.22 | 1.06 | 10.6 | 2 | 8.0 | 118.0 | 1.29 | 0.07 | 8.07 | 0.423 | 0.50 | 4.3 |
| W231427 | | 2.6 | 103.0 | 0.003 | 1.62 | 0.98 | 12.9 | 2 | 7.8 | 77.4 | 1.51 | 0.08 | 9.67 | 0.513 | 0.59 | 4.7 |
| W231428 | | 4.0 | 109.5 | 0.009 | 2.59 | 1.10 | 13.8 | 4 | 9.5 | 118.5 | 1.51 | 0.09 | 9.73 | 0.538 | 0.62 | 5.3 |
| W231429 | | 4.9 | 88.4 | 0.005 | 2.36 | 1.49 | 11.3 | 3 | 7.4 | 104.5 | 1.24 | 0.06 | 7.28 | 0.397 | 0.56 | 4.2 |
| W231430 | | 8.8 | 144.5 | 0.023 | 1.83 | 1.25 | 17.9 | 2 | 11.3 | 119.0 | 2.08 | 0.12 | 12.55 | 0.658 | 0.74 | 6.9 |

***** See Appendix Page for comments regarding this certificate *****

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**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228448

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W231391 | | 85 | 2.6 | 15.1 | 16 | 64.2 |
| W231392 | | 141 | 2.6 | 23.5 | 20 | 118.0 |
| W231393 | | 184 | 2.1 | 26.3 | 36 | 94.7 |
| W231394 | | 173 | 1.8 | 19.4 | 26 | 119.5 |
| W231395 | | 129 | 1.7 | 23.0 | 29 | 108.0 |
| W231396 | | 119 | 1.7 | 21.9 | 28 | 100.5 |
| W231397 | | 119 | 1.6 | 25.4 | 52 | 82.4 |
| W231398 | | 128 | 1.7 | 25.9 | 36 | 95.9 |
| W231399 | | 122 | 1.3 | 24.4 | 71 | 80.6 |
| W231400 | | 95 | 1.7 | 19.5 | 31 | 63.3 |
| W231401 | | 131 | 1.5 | 26.5 | 40 | 94.6 |
| W231402 | | 127 | 1.6 | 26.3 | 40 | 89.2 |
| W231403 | | 147 | 2.4 | 28.5 | 34 | 115.0 |
| W231404 | | 119 | 2.9 | 23.2 | 29 | 83.5 |
| W231405 | | 43 | 8.4 | 13.8 | 854 | 49.8 |
| W231406 | | 135 | 1.4 | 25.3 | 32 | 107.5 |
| W231407 | | 120 | 1.3 | 25.5 | 28 | 108.5 |
| W231408 | | 126 | 1.8 | 26.0 | 50 | 99.2 |
| W231409 | | 128 | 2.5 | 22.3 | 32 | 111.0 |
| W231410 | | 149 | 3.5 | 19.1 | 17 | 127.5 |
| W231411 | | 79 | 2.0 | 10.3 | 16 | 67.6 |
| W231412 | | 1 | <0.1 | 2.8 | 4 | 3.6 |
| W231413 | | 137 | 3.9 | 19.0 | 16 | 137.5 |
| W231414 | | 107 | 3.1 | 15.9 | 17 | 93.7 |
| W231415 | | 209 | 2.0 | 15.8 | 155 | 61.0 |
| W231416 | | 132 | 4.2 | 18.3 | 11 | 113.0 |
| W231417 | | 151 | 5.4 | 19.6 | 11 | 168.5 |
| W231418 | | 72 | 1.7 | 7.9 | 4 | 61.8 |
| W231419 | | 67 | 1.7 | 7.4 | 6 | 64.1 |
| W231420 | | 91 | 3.8 | 10.3 | 15 | 96.6 |
| W231421 | | 87 | 3.1 | 12.4 | 17 | 75.3 |
| W231422 | | 134 | 4.3 | 26.3 | 16 | 165.0 |
| W231423 | | 117 | 3.0 | 21.8 | 14 | 122.5 |
| W231424 | | 128 | 3.1 | 25.1 | 20 | 131.0 |
| W231425 | | 145 | 2.8 | 22.4 | 22 | 133.5 |
| W231426 | | 142 | 2.0 | 14.5 | 26 | 103.0 |
| W231427 | | 141 | 2.2 | 15.5 | 18 | 119.0 |
| W231428 | | 165 | 2.3 | 17.0 | 21 | 128.0 |
| W231429 | | 133 | 1.8 | 13.8 | 18 | 99.8 |
| W231430 | | 226 | 3.0 | 21.2 | 19 | 163.5 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228448

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**Finalized Date: 21-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20229586

Project: Rau

P.O. No.: R20-D55

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Zn-OG62 | Ore Grade Zn - Four Acid | |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20229586

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W231431 | | 3.86 | 0.10 | 1.37 | 3.01 | 87.7 | 320 | 0.91 | 1.69 | 3.69 | 4.91 | 45.3 | 25.3 | 43 | 1.92 | 90.0 |
| W231432 | | 1.20 | 0.13 | 3.54 | 3.64 | 76.0 | 220 | 1.03 | 3.78 | 2.28 | 28.6 | 45.8 | 17.3 | 53 | 1.92 | 116.5 |
| W231433 | | 0.70 | 0.05 | 1.39 | 3.89 | 46.2 | 840 | 1.10 | 1.44 | 2.86 | 18.60 | 61.4 | 7.2 | 46 | 2.09 | 39.6 |
| W231434 | | 6.42 | 0.09 | 1.40 | 5.74 | 75.4 | 420 | 1.75 | 3.30 | 3.62 | 0.50 | 83.0 | 19.9 | 91 | 3.67 | 31.8 |
| W231435 | | 4.54 | 0.06 | 3.30 | 4.62 | 88.1 | 540 | 1.41 | 2.95 | 2.34 | 34.8 | 65.2 | 22.2 | 85 | 2.86 | 91.7 |
| W231436 | | 3.12 | 0.07 | 6.73 | 3.83 | 46.1 | 100 | 1.19 | 1.89 | 2.44 | 250 | 44.5 | 16.6 | 63 | 2.30 | 276 |
| W231437 | | 2.80 | 0.11 | 4.08 | 4.66 | 76.5 | 580 | 1.36 | 2.75 | 3.19 | 72.4 | 65.6 | 18.5 | 80 | 3.01 | 129.0 |
| W231438 | | 3.26 | 0.10 | 3.31 | 4.52 | 67.4 | 250 | 1.43 | 4.05 | 3.71 | 23.8 | 63.4 | 21.6 | 74 | 2.85 | 86.8 |
| W231439 | | 3.57 | 0.02 | 1.22 | 4.80 | 36.9 | 580 | 1.52 | 2.75 | 3.79 | 0.30 | 60.0 | 16.0 | 71 | 3.11 | 35.7 |
| W231440 | | 3.15 | 0.15 | 1.09 | 3.59 | 117.5 | 70 | 1.02 | 6.72 | 4.43 | 0.10 | 54.6 | 43.9 | 65 | 2.06 | 90.6 |
| W231441 | | 1.55 | 0.17 | 0.68 | 4.71 | 69.7 | 130 | 1.46 | 5.91 | 3.46 | 0.06 | 57.1 | 38.1 | 73 | 2.91 | 73.7 |
| W231442 | | 3.94 | 0.04 | 0.53 | 5.01 | 75.8 | 330 | 1.64 | 3.14 | 2.99 | 0.22 | 64.7 | 17.4 | 78 | 3.21 | 36.3 |
| W231443 | | 6.25 | 0.12 | 1.01 | 4.98 | 57.9 | 380 | 1.55 | 3.49 | 4.13 | 0.41 | 72.8 | 17.2 | 75 | 3.31 | 49.5 |
| W231444 | | 0.16 | 1.43 | 65.4 | 6.71 | 28.2 | 4140 | 0.87 | 0.12 | 1.76 | 12.90 | 24.6 | 4.7 | 18 | 0.38 | 205 |
| W231445 | | 1.53 | 0.04 | 1.09 | 2.71 | 46.1 | 570 | 0.88 | 2.52 | 7.32 | 0.33 | 40.4 | 12.6 | 52 | 1.79 | 34.8 |
| W231446 | | 0.79 | <0.01 | 0.02 | 0.06 | 0.2 | 20 | 0.05 | 0.02 | 32.3 | 0.02 | 1.06 | 0.8 | 3 | <0.05 | 1.6 |
| W231447 | | 5.00 | 0.06 | 2.25 | 5.24 | 61.7 | 440 | 1.53 | 4.54 | 2.01 | 7.77 | 81.4 | 21.1 | 81 | 3.50 | 49.9 |
| W231448 | | 5.54 | 0.04 | 1.74 | 5.03 | 52.9 | 520 | 1.35 | 2.69 | 2.67 | 26.9 | 68.4 | 13.4 | 83 | 3.07 | 61.6 |
| W231449 | | 6.94 | 0.01 | 0.29 | 5.30 | 29.8 | 460 | 1.42 | 1.53 | 4.70 | 0.12 | 61.1 | 11.9 | 84 | 3.08 | 32.0 |
| W231450 | | 2.58 | 0.01 | 0.08 | 6.87 | 35.0 | 1390 | 1.97 | 1.78 | 3.15 | 0.04 | 93.6 | 10.3 | 114 | 4.45 | 29.2 |
| W231451 | | 2.13 | 0.07 | 0.16 | 3.49 | 46.6 | 340 | 1.04 | 0.86 | 3.36 | 0.14 | 49.9 | 13.8 | 71 | 2.37 | 55.5 |
| W231452 | | <0.02 | 0.03 | 0.12 | 3.36 | 45.0 | 290 | 1.01 | 0.87 | 3.35 | 0.13 | 51.8 | 14.8 | 72 | 2.29 | 57.2 |
| W231453 | | 4.06 | 0.02 | 0.11 | 5.64 | 42.1 | 650 | 1.78 | 2.14 | 3.32 | 0.07 | 84.8 | 13.6 | 83 | 3.80 | 38.7 |
| W231454 | | 6.43 | 0.03 | 0.13 | 5.97 | 36.6 | 860 | 1.91 | 2.60 | 3.13 | 0.06 | 83.3 | 15.1 | 93 | 4.17 | 35.4 |
| W231455 | | 3.97 | 0.02 | 0.10 | 4.03 | 32.4 | 1010 | 1.30 | 1.89 | 3.34 | 0.13 | 57.0 | 9.6 | 69 | 2.78 | 22.4 |
| W231456 | | 4.81 | 0.02 | 0.11 | 5.12 | 38.4 | 960 | 1.55 | 2.49 | 5.52 | 0.46 | 63.8 | 12.5 | 93 | 3.15 | 43.0 |
| W231457 | | 7.03 | 0.05 | 0.10 | 4.15 | 46.3 | 1020 | 1.27 | 2.40 | 5.50 | 0.15 | 56.5 | 13.2 | 70 | 2.56 | 39.7 |
| W231458 | | 4.76 | 0.03 | 0.11 | 5.06 | 25.6 | 1210 | 1.56 | 1.94 | 5.19 | 0.14 | 73.8 | 13.9 | 83 | 3.44 | 33.7 |
| W231459 | | 0.16 | 1.30 | 67.5 | 7.18 | 29.2 | 4380 | 0.91 | 0.11 | 1.86 | 13.20 | 26.2 | 4.7 | 18 | 0.38 | 217 |
| W231460 | | 4.10 | 0.16 | 0.20 | 4.79 | 35.3 | 890 | 1.47 | 3.31 | 3.63 | 0.12 | 71.0 | 16.1 | 75 | 3.24 | 38.9 |
| W231461 | | 4.06 | 0.02 | 0.10 | 5.10 | 39.1 | 1280 | 1.58 | 2.02 | 3.57 | 0.06 | 71.3 | 12.8 | 74 | 3.39 | 37.7 |
| W231462 | | 3.19 | 0.02 | 0.11 | 4.04 | 43.9 | 1030 | 1.21 | 1.74 | 3.74 | 0.15 | 54.6 | 13.0 | 70 | 2.64 | 36.0 |
| W231463 | | 4.81 | 0.03 | 0.13 | 6.14 | 38.8 | 940 | 1.96 | 2.65 | 3.05 | 0.07 | 78.3 | 17.3 | 111 | 4.14 | 39.5 |
| W231464 | | 4.61 | 0.04 | 0.11 | 4.62 | 49.3 | 800 | 1.45 | 2.44 | 3.41 | 0.08 | 62.0 | 17.6 | 81 | 3.03 | 36.5 |
| W231465 | | 5.27 | 0.19 | 0.18 | 5.17 | 26.3 | 540 | 1.58 | 2.71 | 3.35 | 0.06 | 64.9 | 20.3 | 78 | 3.37 | 45.0 |
| W231466 | | 6.92 | 0.10 | 0.10 | 5.38 | 24.3 | 1180 | 1.48 | 1.69 | 4.08 | 0.10 | 73.6 | 12.0 | 97 | 3.10 | 27.6 |
| W231467 | | 6.57 | 0.04 | 0.15 | 5.07 | 52.7 | 1350 | 1.50 | 1.51 | 3.80 | 0.07 | 65.0 | 13.1 | 83 | 3.08 | 28.0 |
| W231468 | | 5.85 | 0.05 | 0.12 | 5.16 | 25.9 | 1370 | 1.53 | 1.06 | 4.65 | 0.09 | 65.0 | 10.2 | 81 | 3.19 | 19.2 |
| W231469 | | 6.64 | 0.04 | 0.11 | 4.16 | 26.4 | 1110 | 1.27 | 1.08 | 4.87 | 0.11 | 59.2 | 9.9 | 81 | 2.60 | 23.6 |
| W231470 | | 4.40 | 0.08 | 0.11 | 4.44 | 37.2 | 1190 | 1.42 | 1.27 | 3.91 | 0.08 | 48.5 | 11.7 | 63 | 2.85 | 28.4 |

***** See Appendix Page for comments regarding this certificate *****

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**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20229586

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W231431 | | 6.10 | 8.16 | 0.09 | 1.4 | 0.188 | 1.37 | 22.7 | 3.2 | 1.63 | 1260 | 4.24 | 0.03 | 11.2 | 76.5 | 1360 |
| W231432 | | 5.27 | 9.14 | 0.09 | 1.7 | 0.436 | 1.63 | 23.6 | 3.5 | 0.98 | 1840 | 13.40 | 0.04 | 14.2 | 64.8 | 2460 |
| W231433 | | 2.42 | 9.65 | 0.13 | 1.4 | 0.220 | 1.83 | 32.0 | 3.7 | 1.14 | 1160 | 4.22 | 0.04 | 12.9 | 21.3 | 2960 |
| W231434 | | 3.96 | 16.00 | 0.12 | 3.3 | 0.061 | 2.64 | 41.4 | 6.1 | 1.55 | 793 | 12.45 | 0.06 | 38.2 | 55.4 | 2160 |
| W231435 | | 4.39 | 11.45 | 0.12 | 2.4 | 0.264 | 2.08 | 34.1 | 4.8 | 1.25 | 2200 | 5.76 | 0.05 | 24.4 | 58.0 | 1660 |
| W231436 | | 6.88 | 9.81 | 0.12 | 1.9 | 3.04 | 1.61 | 22.8 | 4.0 | 1.11 | 4850 | 4.49 | 0.04 | 17.2 | 39.4 | 1200 |
| W231437 | | 4.89 | 11.95 | 0.12 | 2.5 | 0.715 | 2.08 | 34.4 | 4.6 | 1.19 | 2990 | 5.52 | 0.05 | 25.2 | 47.6 | 2000 |
| W231438 | | 4.96 | 11.75 | 0.12 | 2.4 | 0.125 | 2.08 | 32.3 | 4.7 | 1.66 | 1850 | 5.65 | 0.05 | 23.7 | 52.2 | 1500 |
| W231439 | | 3.58 | 12.20 | 0.13 | 2.7 | 0.040 | 2.22 | 30.9 | 4.6 | 1.65 | 850 | 5.81 | 0.05 | 26.2 | 39.1 | 1380 |
| W231440 | | 7.17 | 8.61 | 0.12 | 2.2 | 0.033 | 1.62 | 28.5 | 3.4 | 1.81 | 831 | 19.65 | 0.04 | 24.1 | 95.5 | 1250 |
| W231441 | | 5.35 | 12.30 | 0.14 | 2.7 | 0.037 | 2.12 | 28.7 | 4.6 | 1.56 | 593 | 13.85 | 0.05 | 27.9 | 94.5 | 1370 |
| W231442 | | 3.79 | 12.85 | 0.13 | 2.9 | 0.046 | 2.26 | 33.4 | 5.1 | 1.41 | 561 | 6.82 | 0.06 | 27.7 | 41.8 | 1770 |
| W231443 | | 4.03 | 13.05 | 0.12 | 3.0 | 0.049 | 2.28 | 38.3 | 4.8 | 1.90 | 917 | 7.52 | 0.06 | 30.7 | 46.3 | 1640 |
| W231444 | | 2.39 | 12.70 | 0.09 | 1.8 | 0.037 | 1.35 | 13.7 | 2.4 | 0.52 | 690 | 5.98 | 3.01 | 5.4 | 7.9 | 480 |
| W231445 | | 4.57 | 6.96 | 0.10 | 1.7 | 0.029 | 1.23 | 22.3 | 3.0 | 2.81 | 1580 | 2.74 | 0.03 | 16.6 | 31.2 | 910 |
| W231446 | | 0.16 | 0.19 | <0.05 | 0.1 | <0.005 | 0.02 | 1.1 | 0.7 | 1.20 | 113 | 0.17 | 0.03 | 0.2 | <0.2 | 60 |
| W231447 | | 3.37 | 13.45 | 0.12 | 3.1 | 0.075 | 2.33 | 41.7 | 4.9 | 0.84 | 549 | 9.73 | 0.06 | 31.0 | 54.3 | 1890 |
| W231448 | | 3.41 | 12.65 | 0.11 | 2.7 | 0.373 | 2.28 | 35.6 | 4.8 | 1.29 | 1390 | 5.31 | 0.05 | 28.4 | 37.4 | 1710 |
| W231449 | | 3.76 | 11.80 | 0.11 | 2.4 | 0.047 | 2.44 | 32.6 | 4.6 | 1.74 | 727 | 5.46 | 0.06 | 23.5 | 39.1 | 2070 |
| W231450 | | 3.02 | 17.20 | 0.15 | 3.8 | 0.049 | 3.11 | 50.0 | 7.9 | 1.63 | 454 | 8.40 | 0.08 | 38.7 | 41.2 | 2620 |
| W231451 | | 4.30 | 8.91 | 0.11 | 2.8 | 0.032 | 1.58 | 25.8 | 4.2 | 1.34 | 593 | 3.73 | 0.04 | 30.2 | 40.0 | 1110 |
| W231452 | | 4.61 | 8.84 | 0.09 | 2.7 | 0.034 | 1.52 | 26.7 | 4.1 | 1.35 | 612 | 3.53 | 0.04 | 28.7 | 42.9 | 1080 |
| W231453 | | 3.47 | 14.80 | 0.15 | 3.1 | 0.049 | 2.59 | 43.0 | 7.0 | 1.37 | 445 | 6.64 | 0.07 | 31.9 | 42.6 | 1990 |
| W231454 | | 3.45 | 15.40 | 0.15 | 3.4 | 0.048 | 2.73 | 43.4 | 7.7 | 1.40 | 410 | 8.40 | 0.07 | 34.2 | 47.6 | 1880 |
| W231455 | | 2.67 | 10.20 | 0.12 | 2.1 | 0.032 | 1.85 | 29.5 | 5.8 | 1.52 | 496 | 3.73 | 0.05 | 24.0 | 33.4 | 1520 |
| W231456 | | 3.90 | 12.20 | 0.11 | 2.4 | 0.045 | 2.28 | 33.6 | 7.4 | 2.17 | 732 | 5.24 | 0.06 | 25.3 | 40.0 | 2110 |
| W231457 | | 3.73 | 10.30 | 0.12 | 2.1 | 0.040 | 1.85 | 30.2 | 6.8 | 2.35 | 728 | 5.53 | 0.05 | 19.6 | 36.0 | 2280 |
| W231458 | | 3.61 | 12.70 | 0.13 | 2.6 | 0.042 | 2.29 | 38.5 | 8.0 | 2.13 | 657 | 6.78 | 0.06 | 26.9 | 39.7 | 2430 |
| W231459 | | 2.52 | 12.95 | 0.09 | 1.8 | 0.037 | 1.42 | 14.2 | 2.3 | 0.55 | 720 | 6.19 | 3.21 | 5.6 | 7.9 | 510 |
| W231460 | | 3.63 | 12.10 | 0.13 | 2.8 | 0.038 | 2.17 | 37.4 | 6.9 | 1.51 | 468 | 5.13 | 0.06 | 27.6 | 39.6 | 1820 |
| W231461 | | 3.19 | 13.00 | 0.13 | 2.8 | 0.043 | 2.29 | 37.7 | 8.3 | 1.66 | 478 | 4.73 | 0.07 | 27.5 | 33.4 | 1510 |
| W231462 | | 3.13 | 9.80 | 0.11 | 2.1 | 0.029 | 1.81 | 29.7 | 6.3 | 1.63 | 509 | 4.03 | 0.06 | 22.4 | 34.9 | 1400 |
| W231463 | | 3.75 | 15.25 | 0.14 | 3.3 | 0.048 | 2.81 | 40.2 | 9.1 | 1.45 | 374 | 4.50 | 0.08 | 34.5 | 54.4 | 2080 |
| W231464 | | 3.51 | 11.50 | 0.11 | 2.4 | 0.036 | 2.07 | 32.2 | 7.3 | 1.55 | 419 | 6.10 | 0.06 | 25.4 | 50.6 | 1490 |
| W231465 | | 3.81 | 12.75 | 0.13 | 2.5 | 0.045 | 2.32 | 34.5 | 7.9 | 1.49 | 383 | 5.99 | 0.07 | 26.3 | 60.5 | 2400 |
| W231466 | | 3.35 | 11.65 | 0.13 | 2.7 | 0.039 | 2.45 | 38.0 | 7.3 | 1.82 | 482 | 6.10 | 0.08 | 28.2 | 36.0 | 2300 |
| W231467 | | 3.24 | 12.00 | 0.12 | 2.8 | 0.037 | 2.26 | 34.1 | 7.2 | 1.68 | 442 | 4.17 | 0.07 | 33.3 | 38.9 | 2220 |
| W231468 | | 3.14 | 12.60 | 0.12 | 2.6 | 0.038 | 2.30 | 34.6 | 7.9 | 2.11 | 544 | 6.03 | 0.08 | 27.1 | 35.9 | 2150 |
| W231469 | | 3.16 | 10.20 | 0.13 | 2.4 | 0.032 | 1.86 | 31.6 | 6.2 | 2.00 | 539 | 7.95 | 0.06 | 24.0 | 34.4 | 2270 |
| W231470 | | 3.27 | 11.05 | 0.12 | 2.2 | 0.031 | 2.01 | 25.0 | 6.5 | 1.71 | 445 | 4.75 | 0.07 | 21.9 | 41.1 | 1830 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 21-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20229586

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W231431 | | 133.5 | 60.4 | 0.007 | 3.10 | 2.79 | 7.2 | 3 | 7.0 | 84.0 | 0.63 | 0.10 | 4.08 | 0.192 | 0.34 | 2.5 |
| W231432 | | 598 | 64.1 | 0.010 | 2.85 | 5.24 | 6.6 | 3 | 7.1 | 75.5 | 0.74 | 0.17 | 4.17 | 0.236 | 0.35 | 3.9 |
| W231433 | | 296 | 69.4 | 0.006 | 1.05 | 2.96 | 7.2 | 2 | 6.4 | 87.9 | 0.69 | 0.05 | 3.98 | 0.229 | 0.35 | 3.5 |
| W231434 | | 74.2 | 107.5 | 0.011 | 2.14 | 3.27 | 12.8 | 2 | 8.5 | 92.8 | 1.83 | 0.09 | 8.58 | 0.562 | 0.51 | 7.5 |
| W231435 | | 975 | 83.3 | 0.008 | 2.04 | 4.93 | 10.8 | 3 | 7.9 | 56.0 | 1.25 | 0.09 | 6.57 | 0.412 | 0.42 | 5.2 |
| W231436 | | 612 | 64.4 | 0.005 | 3.95 | 4.07 | 8.6 | 4 | 14.9 | 46.2 | 0.89 | 0.05 | 4.60 | 0.290 | 0.37 | 9.3 |
| W231437 | | 1100 | 86.3 | 0.008 | 1.89 | 5.46 | 10.6 | 3 | 8.9 | 69.1 | 1.30 | 0.06 | 6.66 | 0.417 | 0.46 | 12.1 |
| W231438 | | 942 | 85.4 | 0.010 | 2.59 | 5.48 | 10.8 | 4 | 6.7 | 83.9 | 1.22 | 0.08 | 6.32 | 0.405 | 0.49 | 5.3 |
| W231439 | | 74.1 | 90.8 | 0.009 | 1.88 | 3.44 | 10.8 | 2 | 6.0 | 85.1 | 1.37 | 0.08 | 6.95 | 0.436 | 0.47 | 6.1 |
| W231440 | | 24.7 | 63.2 | 0.012 | 4.88 | 4.48 | 7.9 | 5 | 4.6 | 92.3 | 1.26 | 0.14 | 6.10 | 0.377 | 0.39 | 7.0 |
| W231441 | | 14.2 | 88.0 | 0.009 | 3.56 | 3.50 | 10.7 | 4 | 5.8 | 84.1 | 1.40 | 0.14 | 7.13 | 0.415 | 0.49 | 6.2 |
| W231442 | | 18.9 | 92.5 | 0.012 | 2.11 | 2.61 | 11.3 | 2 | 6.3 | 82.3 | 1.46 | 0.08 | 7.22 | 0.458 | 0.49 | 7.2 |
| W231443 | | 51.4 | 94.9 | 0.010 | 2.24 | 5.72 | 11.4 | 2 | 6.3 | 93.3 | 1.64 | 0.09 | 7.80 | 0.497 | 0.50 | 6.0 |
| W231444 | | 1380 | 29.6 | 0.009 | 0.48 | 106.5 | 6.7 | 2 | 1.5 | 201 | 0.36 | 0.06 | 2.62 | 0.184 | 0.31 | 1.7 |
| W231445 | | 58.1 | 56.7 | 0.003 | 1.98 | 4.41 | 6.7 | 2 | 4.0 | 104.0 | 0.86 | 0.05 | 4.30 | 0.284 | 0.31 | 4.3 |
| W231446 | | 0.6 | 0.5 | <0.002 | 0.01 | 0.07 | 0.2 | 2 | <0.2 | 76.5 | <0.05 | <0.05 | 0.07 | 0.006 | <0.02 | 0.1 |
| W231447 | | 319 | 98.1 | 0.010 | 2.11 | 4.84 | 11.6 | 3 | 6.8 | 49.9 | 1.68 | 0.11 | 8.74 | 0.515 | 0.53 | 7.8 |
| W231448 | | 249 | 99.4 | 0.008 | 1.85 | 4.14 | 11.3 | 2 | 8.3 | 61.2 | 1.50 | 0.06 | 7.14 | 0.482 | 0.52 | 4.9 |
| W231449 | | 10.3 | 88.0 | 0.008 | 2.05 | 1.41 | 10.6 | 2 | 5.4 | 107.0 | 1.29 | 0.05 | 6.81 | 0.471 | 0.49 | 5.6 |
| W231450 | | 4.6 | 123.5 | 0.014 | 1.30 | 1.02 | 15.1 | 2 | 8.2 | 94.7 | 2.08 | 0.05 | 11.85 | 0.653 | 0.67 | 6.0 |
| W231451 | | 5.3 | 64.3 | 0.007 | 2.51 | 1.12 | 8.4 | 2 | 5.4 | 66.3 | 1.55 | <0.05 | 7.36 | 0.471 | 0.36 | 15.9 |
| W231452 | | 5.6 | 61.8 | 0.006 | 2.66 | 1.26 | 8.3 | 3 | 5.2 | 66.0 | 1.47 | <0.05 | 6.85 | 0.448 | 0.34 | 22.1 |
| W231453 | | 4.2 | 104.5 | 0.013 | 1.63 | 1.34 | 12.7 | 2 | 6.6 | 86.1 | 1.74 | 0.06 | 8.82 | 0.522 | 0.54 | 6.0 |
| W231454 | | 4.4 | 109.5 | 0.011 | 1.52 | 1.12 | 13.7 | 2 | 6.1 | 86.8 | 1.82 | 0.09 | 9.20 | 0.581 | 0.57 | 6.8 |
| W231455 | | 4.7 | 72.2 | 0.007 | 0.91 | 0.78 | 9.1 | 2 | 3.9 | 84.2 | 1.25 | 0.05 | 5.86 | 0.408 | 0.37 | 4.1 |
| W231456 | | 5.9 | 89.0 | 0.010 | 1.53 | 1.49 | 11.2 | 2 | 5.3 | 127.0 | 1.39 | 0.06 | 8.28 | 0.455 | 0.48 | 4.6 |
| W231457 | | 6.2 | 73.7 | 0.011 | 1.27 | 1.37 | 9.3 | 2 | 4.0 | 134.5 | 1.03 | 0.06 | 5.88 | 0.357 | 0.40 | 5.6 |
| W231458 | | 5.9 | 91.6 | 0.011 | 1.24 | 1.31 | 11.5 | 2 | 4.6 | 126.0 | 1.48 | 0.05 | 7.40 | 0.465 | 0.49 | 6.9 |
| W231459 | | 1485 | 30.7 | 0.009 | 0.50 | 105.5 | 6.9 | 3 | 1.6 | 212 | 0.38 | 0.05 | 2.76 | 0.193 | 0.32 | 1.7 |
| W231460 | | 7.6 | 84.0 | 0.017 | 1.57 | 1.81 | 10.3 | 2 | 3.5 | 91.3 | 1.42 | 0.09 | 7.46 | 0.466 | 0.45 | 6.9 |
| W231461 | | 4.0 | 91.6 | 0.009 | 1.13 | 1.27 | 11.4 | 2 | 3.4 | 98.4 | 1.44 | 0.05 | 8.17 | 0.478 | 0.49 | 5.3 |
| W231462 | | 5.5 | 71.9 | 0.008 | 1.22 | 1.16 | 9.1 | 2 | 2.8 | 90.9 | 1.18 | <0.05 | 5.94 | 0.385 | 0.37 | 4.8 |
| W231463 | | 4.5 | 109.5 | 0.010 | 1.48 | 1.61 | 14.4 | 2 | 3.6 | 88.7 | 1.80 | 0.07 | 9.02 | 0.583 | 0.58 | 6.1 |
| W231464 | | 5.0 | 83.1 | 0.009 | 1.39 | 1.55 | 10.8 | 2 | 2.6 | 92.3 | 1.35 | 0.07 | 6.66 | 0.435 | 0.45 | 4.8 |
| W231465 | | 5.5 | 92.4 | 0.010 | 1.71 | 2.35 | 11.6 | 2 | 2.8 | 91.6 | 1.43 | 0.08 | 6.95 | 0.440 | 0.53 | 5.5 |
| W231466 | | 4.2 | 84.2 | 0.010 | 1.18 | 1.46 | 10.4 | 2 | 2.5 | 101.0 | 1.54 | 0.05 | 7.89 | 0.541 | 0.46 | 6.6 |
| W231467 | | 4.2 | 88.1 | 0.007 | 1.11 | 1.63 | 10.8 | 2 | 2.7 | 101.5 | 1.86 | 0.05 | 7.39 | 0.567 | 0.48 | 6.2 |
| W231468 | | 4.1 | 90.1 | 0.011 | 0.96 | 2.66 | 11.5 | 2 | 2.4 | 127.5 | 1.49 | 0.05 | 7.69 | 0.457 | 0.51 | 5.5 |
| W231469 | | 4.9 | 73.2 | 0.012 | 1.02 | 1.49 | 9.2 | 2 | 1.9 | 123.0 | 1.31 | 0.05 | 6.40 | 0.406 | 0.43 | 6.5 |
| W231470 | | 4.6 | 78.1 | 0.010 | 1.05 | 1.60 | 10.2 | 2 | 2.0 | 106.5 | 1.25 | 0.06 | 5.62 | 0.402 | 0.46 | 4.9 |

***** See Appendix Page for comments regarding this certificate *****

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20229586

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | Zn-OG62 |
|---|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr | Zn |
| | Units | ppm | ppm | ppm | ppm | ppm | % |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 | 0.001 |
| W231431 | | 89 | 1.5 | 10.3 | 1160 | 62.0 | |
| W231432 | | 87 | 1.6 | 10.6 | 6710 | 73.0 | |
| W231433 | | 100 | 1.3 | 10.7 | 4580 | 60.5 | |
| W231434 | | 187 | 2.7 | 12.9 | 116 | 145.0 | |
| W231435 | | 150 | 2.1 | 11.6 | 9160 | 108.0 | |
| W231436 | | 110 | 2.8 | 10.3 | >10000 | 83.3 | 6.27 |
| W231437 | | 145 | 2.5 | 12.4 | >10000 | 111.0 | 1.850 |
| W231438 | | 168 | 1.7 | 11.6 | 6330 | 104.5 | |
| W231439 | | 185 | 1.8 | 10.6 | 94 | 115.0 | |
| W231440 | | 158 | 1.9 | 10.6 | 29 | 97.2 | |
| W231441 | | 198 | 1.9 | 11.4 | 14 | 122.5 | |
| W231442 | | 215 | 2.0 | 11.7 | 54 | 126.0 | |
| W231443 | | 192 | 2.2 | 12.7 | 103 | 124.5 | |
| W231444 | | 50 | 12.6 | 16.2 | 2560 | 55.4 | |
| W231445 | | 91 | 1.5 | 9.1 | 84 | 73.1 | |
| W231446 | | 1 | <0.1 | 2.0 | 7 | 1.6 | |
| W231447 | | 210 | 2.2 | 12.7 | 2010 | 134.5 | |
| W231448 | | 180 | 2.5 | 11.8 | 6780 | 117.5 | |
| W231449 | | 166 | 1.7 | 11.6 | 35 | 102.0 | |
| W231450 | | 275 | 2.3 | 15.8 | 15 | 170.0 | |
| W231451 | | 133 | 1.7 | 11.8 | 22 | 128.0 | |
| W231452 | | 129 | 1.7 | 11.6 | 20 | 123.0 | |
| W231453 | | 231 | 1.8 | 13.9 | 14 | 136.0 | |
| W231454 | | 227 | 1.8 | 14.8 | 14 | 150.0 | |
| W231455 | | 146 | 1.3 | 10.6 | 21 | 91.2 | |
| W231456 | | 164 | 1.4 | 13.6 | 62 | 102.0 | |
| W231457 | | 179 | 1.1 | 12.5 | 24 | 87.2 | |
| W231458 | | 179 | 1.4 | 14.6 | 26 | 111.5 | |
| W231459 | | 53 | 10.6 | 16.9 | 2680 | 57.8 | |
| W231460 | | 186 | 1.2 | 13.4 | 20 | 122.5 | |
| W231461 | | 167 | 1.1 | 13.3 | 13 | 125.0 | |
| W231462 | | 136 | 0.9 | 10.6 | 23 | 94.0 | |
| W231463 | | 200 | 1.2 | 14.0 | 13 | 144.0 | |
| W231464 | | 155 | 1.0 | 11.3 | 14 | 105.5 | |
| W231465 | | 164 | 1.0 | 13.3 | 12 | 110.0 | |
| W231466 | | 187 | 1.0 | 12.7 | 19 | 120.5 | |
| W231467 | | 186 | 1.1 | 13.2 | 15 | 128.0 | |
| W231468 | | 178 | 0.9 | 12.9 | 18 | 115.5 | |
| W231469 | | 181 | 0.9 | 11.7 | 20 | 99.5 | |
| W231470 | | 159 | 0.8 | 10.0 | 14 | 93.2 | |

***** See Appendix Page for comments regarding this certificate *****

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Project: Rau


**Finalized Date: 21-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20229586

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

REEs may not be totally soluble in this method.
Applies to Method: ME-MS61

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| | LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| | SPL-21 | SPL-21d | WEI-21 | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Au-AA26 | ME-MS61 | ME-OG62 | Zn-OG62 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20228449

Project: Rau

P.O. No.: R20-D56

This report is for 27 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228449

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| R615341 | | 11.46 | 0.02 | 0.09 | 5.79 | 12.5 | 1160 | 1.81 | 1.28 | 3.95 | 0.28 | 83.7 | 20.5 | 87 | 6.86 | 89.2 |
| R615342 | | 5.69 | 0.01 | 0.08 | 6.21 | 10.4 | 1300 | 2.07 | 0.82 | 3.29 | 0.45 | 86.9 | 11.9 | 113 | 7.21 | 49.9 |
| R615343 | | 3.51 | 0.01 | 0.15 | 6.30 | 19.8 | 450 | 1.99 | 1.73 | 4.11 | 0.31 | 88.8 | 28.3 | 85 | 6.59 | 146.5 |
| R615344 | | 4.12 | 0.03 | 0.08 | 6.26 | 15.9 | 1020 | 1.82 | 1.22 | 5.96 | 0.16 | 83.8 | 17.5 | 88 | 6.40 | 97.4 |
| R615345 | | 3.49 | 0.03 | 0.16 | 6.16 | 53.0 | 480 | 1.91 | 2.57 | 2.90 | 0.13 | 72.0 | 26.4 | 93 | 6.54 | 127.5 |
| R615346 | | 3.25 | 0.02 | 0.21 | 5.53 | 26.4 | 400 | 1.70 | 3.54 | 4.98 | 0.31 | 90.2 | 23.7 | 82 | 5.10 | 134.5 |
| R615347 | | 4.14 | 0.03 | 0.13 | 6.58 | 34.6 | 1420 | 2.01 | 1.59 | 4.60 | 0.30 | 82.6 | 15.8 | 106 | 7.03 | 84.4 |
| R615348 | | 3.25 | 0.01 | 0.09 | 3.31 | 20.8 | 720 | 0.95 | 0.85 | 3.94 | 0.19 | 49.6 | 8.9 | 80 | 3.63 | 58.3 |
| R615349 | | 8.12 | 0.01 | 0.10 | 6.07 | 45.2 | 1250 | 1.98 | 1.86 | 4.55 | 0.24 | 77.6 | 13.2 | 97 | 6.79 | 86.8 |
| R615350 | | 0.83 | 0.07 | 0.15 | 2.76 | 28.2 | 570 | 1.01 | 0.99 | 3.29 | 0.58 | 34.4 | 8.6 | 48 | 3.09 | 91.2 |
| R615351 | | 0.16 | 0.78 | 64.5 | 5.41 | 131.5 | 1900 | 1.61 | 1.54 | 4.00 | 4.90 | 22.7 | 4.3 | 20 | 1.19 | 501 |
| R615352 | | 9.96 | 0.01 | 0.09 | 6.39 | 69.6 | 940 | 2.18 | 2.14 | 3.52 | 0.12 | 88.4 | 16.2 | 94 | 6.75 | 94.1 |
| R615353 | | 1.60 | 0.03 | 0.07 | 5.51 | 35.3 | 860 | 1.90 | 2.11 | 8.41 | 0.11 | 83.3 | 16.3 | 79 | 6.19 | 95.2 |
| R615354 | | 2.22 | 0.05 | 0.07 | 6.83 | 26.4 | 640 | 2.20 | 3.06 | 3.64 | 0.02 | 107.0 | 20.1 | 62 | 6.55 | 92.3 |
| R615355 | | 2.07 | <0.01 | 0.01 | 0.10 | 0.7 | 30 | 0.07 | 0.03 | 33.5 | <0.02 | 0.99 | 0.5 | 2 | <0.05 | 1.1 |
| R615356 | | 6.45 | 0.05 | 0.08 | 7.46 | 8.9 | 1800 | 2.39 | 1.48 | 3.75 | 0.72 | 113.0 | 9.0 | 55 | 7.00 | 44.9 |
| R615357 | | 6.84 | <0.01 | 0.06 | 7.18 | 29.2 | 1750 | 2.39 | 1.24 | 4.42 | 0.25 | 110.5 | 11.9 | 69 | 6.93 | 38.8 |
| R615358 | | 8.60 | 0.03 | 0.09 | 6.27 | 27.2 | 390 | 2.10 | 3.16 | 2.91 | 0.23 | 97.0 | 29.7 | 94 | 7.93 | 110.0 |
| R615359 | | 11.42 | 0.01 | 0.09 | 7.99 | 28.3 | 1760 | 2.68 | 1.88 | 1.07 | 0.22 | 117.0 | 20.1 | 107 | 9.95 | 65.2 |
| R615360 | | 0.16 | 0.85 | 72.5 | 5.55 | 139.5 | 1950 | 1.59 | 1.62 | 4.07 | 5.18 | 24.9 | 4.5 | 20 | 1.21 | 510 |
| R615361 | | 12.30 | 0.01 | 0.11 | 8.16 | 51.2 | 970 | 2.78 | 1.83 | 0.95 | 0.14 | 106.5 | 26.1 | 112 | 8.83 | 113.5 |
| R615362 | | 2.99 | <0.01 | 0.15 | 8.33 | 21.1 | 790 | 2.85 | 3.10 | 1.46 | 0.06 | 115.0 | 24.4 | 105 | 9.50 | 128.0 |
| R615363 | | 1.62 | 0.24 | 0.13 | 7.12 | 23.8 | 330 | 2.31 | 2.77 | 2.14 | 0.10 | 103.0 | 32.0 | 89 | 7.94 | 193.5 |
| R615364 | | <0.02 | 0.15 | 0.13 | 7.11 | 33.7 | 280 | 2.43 | 2.88 | 2.12 | 0.09 | 102.5 | 33.0 | 90 | 7.83 | 190.0 |
| R615365 | | 3.84 | 0.01 | 0.10 | 7.58 | 31.2 | 870 | 2.47 | 2.75 | 2.11 | 0.24 | 105.0 | 29.7 | 93 | 9.32 | 143.0 |
| R615366 | | 1.59 | 0.02 | 0.11 | 6.71 | 83.3 | 730 | 2.13 | 2.13 | 2.22 | 0.35 | 93.1 | 35.1 | 82 | 9.50 | 139.5 |
| R615367 | | 1.55 | 0.04 | 0.11 | 6.70 | 27.3 | 710 | 2.21 | 1.75 | 2.19 | 0.27 | 91.9 | 31.4 | 81 | 8.99 | 169.5 |

***** See Appendix Page for comments regarding this certificate *****

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228449

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| R615341 | | 4.92 | 17.50 | 0.13 | 3.7 | 0.067 | 2.82 | 44.2 | 14.4 | 1.78 | 678 | 8.21 | 0.06 | 35.4 | 40.6 | 2060 |
| R615342 | | 4.08 | 17.60 | 0.18 | 3.7 | 0.073 | 3.01 | 46.9 | 15.8 | 1.80 | 631 | 12.00 | 0.06 | 41.8 | 26.2 | 2040 |
| R615343 | | 6.52 | 17.75 | 0.16 | 3.7 | 0.067 | 3.02 | 47.2 | 13.8 | 1.76 | 726 | 4.32 | 0.06 | 33.2 | 55.0 | 1840 |
| R615344 | | 4.99 | 17.90 | 0.16 | 3.8 | 0.067 | 3.00 | 44.7 | 13.3 | 1.73 | 1030 | 4.66 | 0.07 | 31.4 | 61.8 | 1820 |
| R615345 | | 5.83 | 18.10 | 0.14 | 3.9 | 0.071 | 3.07 | 38.8 | 11.9 | 1.54 | 573 | 5.75 | 0.07 | 30.2 | 111.5 | 1630 |
| R615346 | | 6.32 | 15.30 | 0.14 | 3.4 | 0.057 | 2.40 | 48.9 | 19.6 | 1.70 | 758 | 5.08 | 0.06 | 30.5 | 89.0 | 2160 |
| R615347 | | 4.90 | 17.00 | 0.14 | 3.6 | 0.072 | 3.04 | 44.4 | 21.5 | 2.24 | 813 | 11.25 | 0.06 | 35.0 | 70.6 | 2010 |
| R615348 | | 3.66 | 7.80 | 0.12 | 1.7 | 0.035 | 1.58 | 28.7 | 10.6 | 1.43 | 694 | 2.88 | 0.03 | 15.8 | 28.4 | 2500 |
| R615349 | | 5.01 | 15.30 | 0.10 | 3.4 | 0.061 | 2.99 | 40.7 | 16.7 | 2.32 | 793 | 7.20 | 0.06 | 33.1 | 59.5 | 2060 |
| R615350 | | 3.57 | 7.36 | 0.10 | 1.3 | 0.045 | 1.18 | 16.5 | 8.4 | 0.96 | 577 | 4.36 | 0.04 | 11.7 | 34.9 | 720 |
| R615351 | | 2.18 | 10.60 | 0.10 | 1.7 | 0.031 | 1.40 | 11.1 | 17.5 | 0.43 | 977 | 37.2 | 2.23 | 4.8 | 10.8 | 370 |
| R615352 | | 4.89 | 17.45 | 0.13 | 3.6 | 0.064 | 3.07 | 47.1 | 15.6 | 2.01 | 651 | 9.09 | 0.08 | 35.2 | 50.2 | 2270 |
| R615353 | | 4.92 | 14.80 | 0.13 | 3.2 | 0.066 | 2.64 | 45.7 | 12.3 | 1.82 | 1340 | 9.45 | 0.08 | 32.0 | 50.0 | 2150 |
| R615354 | | 5.27 | 19.35 | 0.18 | 3.8 | 0.073 | 3.27 | 57.7 | 12.1 | 2.11 | 749 | 3.10 | 0.10 | 46.6 | 51.8 | 1820 |
| R615355 | | 0.20 | 0.37 | 0.07 | 0.1 | <0.005 | 0.03 | 1.1 | 1.3 | 1.65 | 115 | 0.07 | 0.05 | 0.3 | 0.7 | 70 |
| R615356 | | 3.49 | 19.90 | 0.15 | 4.4 | 0.089 | 3.50 | 61.9 | 21.1 | 2.08 | 734 | 1.02 | 0.10 | 51.2 | 29.7 | 2280 |
| R615357 | | 3.93 | 20.5 | 0.17 | 4.1 | 0.086 | 3.39 | 60.3 | 18.3 | 2.18 | 819 | 2.87 | 0.08 | 47.1 | 31.4 | 2180 |
| R615358 | | 6.43 | 18.55 | 0.16 | 3.7 | 0.091 | 2.98 | 50.0 | 14.6 | 1.80 | 648 | 5.80 | 0.08 | 32.5 | 65.2 | 2300 |
| R615359 | | 5.45 | 24.1 | 0.18 | 5.1 | 0.102 | 3.97 | 61.7 | 14.3 | 1.72 | 626 | 3.14 | 0.11 | 45.9 | 76.7 | 2510 |
| R615360 | | 2.23 | 11.35 | 0.12 | 1.9 | 0.037 | 1.45 | 12.3 | 18.6 | 0.44 | 989 | 39.6 | 2.29 | 5.1 | 11.2 | 360 |
| R615361 | | 6.20 | 24.8 | 0.21 | 4.4 | 0.106 | 3.99 | 54.3 | 14.5 | 1.66 | 606 | 1.79 | 0.12 | 47.5 | 81.6 | 2230 |
| R615362 | | 6.87 | 24.7 | 0.19 | 4.8 | 0.118 | 3.94 | 59.9 | 16.9 | 1.87 | 683 | 2.81 | 0.14 | 45.9 | 95.0 | 2570 |
| R615363 | | 7.30 | 20.8 | 0.16 | 4.4 | 0.085 | 3.31 | 52.6 | 15.3 | 1.63 | 681 | 4.51 | 0.11 | 36.9 | 102.5 | 2260 |
| R615364 | | 7.44 | 20.8 | 0.17 | 4.3 | 0.087 | 3.32 | 52.5 | 14.6 | 1.61 | 686 | 4.62 | 0.11 | 35.2 | 102.0 | 2290 |
| R615365 | | 6.52 | 20.9 | 0.18 | 3.7 | 0.092 | 3.44 | 53.3 | 17.8 | 1.75 | 633 | 4.23 | 0.12 | 34.0 | 83.8 | 2290 |
| R615366 | | 6.34 | 18.90 | 0.17 | 2.8 | 0.078 | 3.06 | 47.2 | 19.2 | 1.72 | 561 | 2.52 | 0.12 | 28.8 | 64.4 | 2060 |
| R615367 | | 6.31 | 19.00 | 0.14 | 2.6 | 0.077 | 3.08 | 46.6 | 16.2 | 1.60 | 553 | 2.04 | 0.11 | 29.8 | 69.2 | 2100 |

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228449

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| R615341 | | 10.3 | 128.0 | 0.016 | 1.47 | 1.85 | 13.6 | 1 | 8.9 | 86.7 | 1.82 | 0.05 | 9.87 | 0.555 | 0.64 | 5.6 |
| R615342 | | 14.1 | 130.0 | 0.024 | 0.85 | 2.57 | 14.8 | 1 | 10.9 | 80.5 | 2.20 | 0.05 | 10.00 | 0.689 | 0.65 | 9.2 |
| R615343 | | 8.8 | 127.5 | 0.005 | 2.26 | 1.61 | 13.1 | 3 | 8.8 | 81.1 | 1.68 | 0.07 | 11.00 | 0.599 | 0.69 | 4.7 |
| R615344 | | 10.3 | 126.0 | 0.005 | 1.50 | 1.53 | 12.9 | 2 | 10.5 | 103.0 | 1.67 | 0.06 | 10.15 | 0.648 | 0.65 | 4.5 |
| R615345 | | 12.0 | 133.0 | 0.005 | 2.07 | 1.75 | 13.2 | 5 | 11.2 | 72.9 | 1.54 | 0.11 | 10.10 | 0.700 | 0.67 | 4.7 |
| R615346 | | 22.2 | 101.0 | 0.009 | 2.20 | 1.73 | 11.8 | 5 | 10.5 | 96.9 | 1.53 | 0.10 | 10.30 | 0.561 | 0.57 | 5.8 |
| R615347 | | 12.5 | 135.5 | 0.020 | 1.27 | 1.70 | 14.6 | 3 | 13.1 | 82.1 | 1.80 | 0.10 | 10.15 | 0.561 | 0.79 | 8.5 |
| R615348 | | 7.5 | 66.5 | 0.005 | 0.94 | 0.89 | 5.7 | 1 | 6.1 | 75.2 | 0.84 | 0.07 | 5.05 | 0.289 | 0.43 | 3.7 |
| R615349 | | 8.4 | 128.5 | 0.008 | 1.38 | 1.67 | 13.2 | 2 | 11.6 | 70.1 | 1.73 | 0.08 | 9.25 | 0.573 | 0.72 | 6.1 |
| R615350 | | 10.7 | 50.8 | 0.005 | 1.27 | 1.71 | 6.0 | 1 | 5.5 | 43.5 | 0.67 | <0.05 | 3.95 | 0.240 | 0.30 | 3.2 |
| R615351 | | 368 | 42.2 | 0.007 | 0.42 | 38.6 | 5.2 | 1 | 1.8 | 244 | 0.35 | 0.37 | 3.43 | 0.164 | 0.64 | 1.6 |
| R615352 | | 8.5 | 139.5 | 0.014 | 1.49 | 1.47 | 14.2 | 1 | 12.1 | 70.9 | 1.90 | 0.08 | 10.60 | 0.601 | 0.79 | 5.8 |
| R615353 | | 6.9 | 119.5 | 0.011 | 1.58 | 1.33 | 11.9 | 2 | 10.4 | 118.0 | 1.54 | 0.09 | 9.36 | 0.528 | 0.64 | 5.0 |
| R615354 | | 5.4 | 147.0 | 0.005 | 1.65 | 1.21 | 14.2 | 2 | 12.5 | 93.5 | 2.31 | 0.10 | 12.90 | 0.651 | 0.80 | 4.4 |
| R615355 | | 0.5 | 0.8 | <0.002 | 0.01 | 0.09 | 0.2 | 1 | <0.2 | 82.8 | <0.05 | <0.05 | 0.09 | 0.008 | <0.02 | 0.6 |
| R615356 | | 13.0 | 148.5 | 0.005 | 0.75 | 1.16 | 15.2 | 1 | 14.1 | 82.1 | 2.62 | <0.05 | 13.75 | 0.793 | 0.83 | 4.2 |
| R615357 | | 7.6 | 150.0 | 0.006 | 0.77 | 1.41 | 14.8 | 2 | 14.5 | 78.2 | 2.37 | <0.05 | 13.45 | 0.723 | 0.74 | 4.4 |
| R615358 | | 9.6 | 134.5 | 0.008 | 1.96 | 1.77 | 14.0 | 3 | 12.0 | 63.4 | 1.64 | 0.12 | 10.00 | 0.660 | 0.80 | 4.7 |
| R615359 | | 9.5 | 183.5 | 0.004 | 1.17 | 1.99 | 17.6 | 2 | 12.0 | 55.1 | 2.37 | 0.09 | 13.90 | 1.025 | 1.02 | 5.5 |
| R615360 | | 377 | 44.7 | 0.005 | 0.43 | 41.1 | 5.5 | 1 | 1.8 | 250 | 0.37 | 0.34 | 3.61 | 0.166 | 0.75 | 1.7 |
| R615361 | | 9.2 | 181.0 | 0.007 | 1.49 | 1.59 | 17.7 | 2 | 11.9 | 52.6 | 2.41 | 0.09 | 13.15 | 1.145 | 1.07 | 4.4 |
| R615362 | | 9.5 | 175.5 | 0.005 | 1.74 | 1.83 | 17.7 | 2 | 11.4 | 65.1 | 2.30 | 0.13 | 13.40 | 1.080 | 1.09 | 4.9 |
| R615363 | | 8.8 | 150.5 | 0.003 | 2.22 | 2.43 | 14.7 | 3 | 10.7 | 58.7 | 1.85 | 0.10 | 11.30 | 0.871 | 0.89 | 4.8 |
| R615364 | | 8.8 | 151.0 | 0.008 | 2.36 | 2.23 | 14.6 | 4 | 10.4 | 56.2 | 1.84 | 0.12 | 11.65 | 0.847 | 0.88 | 4.7 |
| R615365 | | 12.6 | 152.5 | 0.006 | 1.69 | 1.65 | 16.0 | 2 | 9.7 | 56.4 | 1.83 | 0.09 | 11.60 | 0.867 | 0.86 | 4.2 |
| R615366 | | 11.1 | 143.0 | 0.004 | 1.75 | 1.34 | 14.5 | 2 | 8.9 | 59.7 | 1.58 | 0.08 | 10.05 | 0.736 | 0.81 | 2.9 |
| R615367 | | 9.1 | 142.0 | 0.004 | 1.77 | 1.13 | 14.3 | 3 | 8.9 | 55.6 | 1.63 | 0.06 | 9.82 | 0.749 | 0.80 | 2.8 |

***** See Appendix Page for comments regarding this certificate *****

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228449

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| R615341 | | 161 | 2.1 | 19.4 | 33 | 136.5 |
| R615342 | | 203 | 2.6 | 19.1 | 45 | 146.0 |
| R615343 | | 151 | 2.4 | 21.9 | 39 | 141.5 |
| R615344 | | 159 | 2.9 | 22.1 | 28 | 139.0 |
| R615345 | | 167 | 2.9 | 18.4 | 23 | 151.5 |
| R615346 | | 207 | 3.7 | 19.4 | 39 | 131.5 |
| R615347 | | 209 | 3.4 | 16.1 | 46 | 145.0 |
| R615348 | | 71 | 1.9 | 13.8 | 25 | 68.0 |
| R615349 | | 182 | 3.4 | 17.0 | 36 | 137.5 |
| R615350 | | 71 | 1.6 | 7.6 | 62 | 52.6 |
| R615351 | | 41 | 11.1 | 12.8 | 810 | 51.8 |
| R615352 | | 160 | 3.9 | 19.8 | 35 | 142.5 |
| R615353 | | 139 | 3.3 | 19.5 | 27 | 129.0 |
| R615354 | | 134 | 3.8 | 21.8 | 23 | 148.0 |
| R615355 | | 1 | <0.1 | 2.1 | 3 | 2.2 |
| R615356 | | 144 | 4.1 | 21.7 | 85 | 174.0 |
| R615357 | | 155 | 3.8 | 19.5 | 50 | 158.5 |
| R615358 | | 153 | 3.2 | 16.6 | 42 | 156.0 |
| R615359 | | 199 | 3.4 | 18.8 | 42 | 191.0 |
| R615360 | | 42 | 10.4 | 13.9 | 819 | 54.4 |
| R615361 | | 194 | 3.2 | 18.4 | 46 | 174.0 |
| R615362 | | 194 | 2.9 | 21.6 | 37 | 189.5 |
| R615363 | | 171 | 2.6 | 18.3 | 29 | 166.5 |
| R615364 | | 170 | 2.6 | 18.4 | 28 | 162.5 |
| R615365 | | 186 | 2.5 | 19.2 | 54 | 161.0 |
| R615366 | | 162 | 2.2 | 17.6 | 65 | 118.5 |
| R615367 | | 161 | 2.2 | 17.1 | 52 | 110.5 |

***** See Appendix Page for comments regarding this certificate *****

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228449

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20229591

Project: Rau

P.O. No.: R20-D57

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20229591

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W231471 | | 3.59 | 0.07 | 0.21 | 4.24 | 55.5 | 670 | 1.41 | 2.08 | 5.78 | 0.18 | 58.8 | 13.5 | 65 | 2.78 | 37.4 |
| W231472 | | 3.50 | 0.06 | 0.12 | 4.42 | 65.8 | 840 | 1.45 | 1.97 | 6.12 | 0.34 | 51.0 | 14.6 | 65 | 2.73 | 34.6 |
| W231473 | | 5.84 | 0.08 | 0.14 | 6.36 | 67.6 | 740 | 2.11 | 2.73 | 4.85 | 0.08 | 83.9 | 16.4 | 111 | 4.35 | 29.5 |
| W231474 | | 0.16 | 5.05 | 12.45 | 6.08 | 745 | 60 | 0.93 | 5.94 | 3.97 | 11.85 | 29.2 | 24.8 | 31 | 1.52 | 2160 |
| W231475 | | 4.80 | 0.14 | 0.14 | 5.54 | 26.5 | 710 | 1.70 | 2.32 | 4.54 | 0.06 | 70.3 | 13.9 | 94 | 3.48 | 29.9 |
| W231476 | | 4.45 | 0.09 | 0.10 | 5.57 | 27.3 | 1300 | 1.84 | 2.21 | 4.59 | 0.06 | 66.5 | 12.7 | 90 | 3.40 | 27.0 |
| W231477 | | 4.67 | 0.03 | 0.08 | 3.79 | 45.2 | 700 | 1.32 | 1.69 | 7.76 | 0.23 | 48.6 | 12.6 | 67 | 2.43 | 42.7 |
| W231478 | | 6.11 | 0.07 | 0.10 | 4.46 | 20.8 | 950 | 1.36 | 1.37 | 6.37 | 0.09 | 67.0 | 11.5 | 93 | 2.65 | 30.8 |
| W231479 | | 6.00 | 0.12 | 0.10 | 4.84 | 59.7 | 580 | 1.45 | 1.90 | 6.34 | 0.17 | 59.9 | 16.5 | 80 | 3.03 | 42.0 |
| W231480 | | 6.12 | 0.15 | 0.12 | 6.37 | 49.8 | 680 | 1.99 | 2.81 | 4.73 | 0.11 | 81.6 | 19.9 | 119 | 4.12 | 36.7 |
| W231481 | | 6.46 | 0.07 | 0.24 | 4.85 | 44.6 | 640 | 1.46 | 2.56 | 5.50 | 0.18 | 66.7 | 15.8 | 92 | 3.16 | 34.1 |
| W231482 | | 0.16 | 1.27 | 77.7 | 7.09 | 30.3 | 4430 | 1.10 | 0.12 | 1.91 | 15.80 | 26.2 | 4.7 | 18 | 0.39 | 215 |
| W231483 | | 3.88 | 0.22 | 0.16 | 5.64 | 30.8 | 300 | 1.74 | 3.31 | 4.05 | 0.14 | 61.3 | 19.5 | 90 | 3.48 | 38.9 |
| W231484 | | 4.21 | 0.16 | 0.43 | 5.50 | 27.5 | 520 | 1.58 | 2.86 | 4.57 | 0.09 | 65.5 | 15.2 | 82 | 3.70 | 31.7 |
| W231485 | | 2.17 | 0.09 | 0.12 | 4.08 | 35.1 | 660 | 1.24 | 1.82 | 5.90 | 0.21 | 51.9 | 11.9 | 60 | 2.82 | 30.7 |
| W231486 | | 1.04 | <0.01 | <0.01 | 0.10 | 0.7 | 20 | 0.06 | 0.05 | 33.8 | 0.02 | 1.03 | 0.6 | 2 | <0.05 | 2.5 |
| W231487 | | 3.12 | 0.03 | 0.14 | 2.84 | 67.3 | 660 | 0.84 | 1.80 | 7.64 | 0.25 | 47.4 | 13.6 | 57 | 1.93 | 40.3 |
| W231488 | | 2.59 | 0.01 | 0.06 | 3.20 | 18.4 | 870 | 1.02 | 0.63 | 8.77 | 0.11 | 52.2 | 6.5 | 67 | 1.95 | 22.2 |
| W231489 | | 4.93 | <0.01 | 0.09 | 4.22 | 24.9 | 1080 | 1.40 | 0.91 | 7.38 | 0.10 | 64.0 | 10.2 | 77 | 2.62 | 28.1 |
| W231490 | | 0.42 | 0.01 | 0.15 | 2.67 | 20.6 | 500 | 1.03 | 0.82 | 10.60 | 0.53 | 45.3 | 13.8 | 50 | 1.65 | 49.6 |
| W231491 | | 0.38 | 0.03 | 0.12 | 3.06 | 43.5 | 490 | 1.03 | 0.70 | 8.85 | 0.44 | 40.4 | 12.9 | 66 | 2.07 | 55.8 |
| W231492 | | 1.77 | 0.22 | 0.15 | 3.52 | 54.3 | 400 | 1.14 | 1.01 | 9.21 | 0.17 | 59.7 | 16.5 | 82 | 2.14 | 65.9 |
| W231493 | | 2.85 | 0.01 | 0.12 | 4.64 | 24.4 | 530 | 1.41 | 1.12 | 6.97 | 0.12 | 58.8 | 12.3 | 86 | 3.10 | 46.2 |
| W231494 | | 3.37 | <0.01 | 0.11 | 4.07 | 24.6 | 780 | 1.31 | 0.98 | 7.68 | 0.20 | 66.2 | 11.8 | 91 | 2.55 | 34.0 |
| W231495 | | 5.22 | <0.01 | 0.08 | 5.31 | 18.8 | 770 | 1.86 | 0.92 | 5.41 | 0.19 | 64.1 | 11.7 | 91 | 3.45 | 39.3 |
| W231496 | | 1.07 | <0.01 | 0.08 | 1.69 | 43.7 | 420 | 0.58 | 0.55 | 6.73 | 0.42 | 24.6 | 9.9 | 31 | 0.88 | 32.8 |
| W231497 | | <0.02 | 0.01 | 0.27 | 1.63 | 24.8 | 410 | 0.59 | 0.55 | 6.73 | 0.43 | 25.2 | 9.3 | 31 | 0.88 | 31.9 |
| W231498 | | 8.36 | 0.02 | 0.12 | 5.89 | 40.9 | 550 | 1.67 | 2.14 | 5.17 | 0.20 | 72.6 | 17.0 | 106 | 3.37 | 53.1 |
| W231499 | | 6.15 | 0.02 | 0.12 | 6.70 | 42.5 | 620 | 2.11 | 2.79 | 3.60 | 0.04 | 64.9 | 16.9 | 108 | 3.80 | 49.4 |
| W231500 | | 12.83 | 0.04 | 0.12 | 5.62 | 20.8 | 440 | 1.91 | 2.37 | 4.89 | 0.16 | 66.8 | 17.5 | 99 | 3.26 | 54.8 |
| W232851 | | 3.71 | 0.02 | 0.12 | 5.15 | 35.3 | 750 | 1.51 | 2.50 | 4.06 | 0.22 | 50.0 | 14.1 | 79 | 3.15 | 43.1 |
| W232852 | | 1.92 | 0.03 | 0.15 | 6.59 | 20.5 | 630 | 2.29 | 3.24 | 4.56 | 0.58 | 87.7 | 18.2 | 115 | 4.30 | 50.3 |
| W232853 | | 6.13 | 0.02 | 0.14 | 5.39 | 51.3 | 640 | 1.82 | 2.41 | 4.47 | 0.21 | 71.7 | 19.3 | 88 | 3.56 | 50.5 |
| W232854 | | 5.25 | 0.05 | 0.13 | 5.40 | 87.1 | 560 | 1.76 | 2.90 | 4.77 | 0.07 | 65.1 | 19.9 | 83 | 3.65 | 58.5 |
| W232855 | | 5.65 | 0.10 | 0.17 | 5.24 | 42.4 | 580 | 1.80 | 4.59 | 4.49 | 0.11 | 79.2 | 18.5 | 90 | 3.60 | 58.5 |
| W232856 | | 1.48 | 0.06 | 0.13 | 4.89 | 28.6 | 740 | 1.68 | 3.71 | 4.66 | 0.09 | 67.1 | 18.7 | 89 | 3.15 | 50.5 |
| W232857 | | 0.66 | 0.08 | 0.28 | 5.35 | 80.7 | 60 | 1.91 | 5.63 | 3.55 | 0.16 | 66.1 | 46.0 | 88 | 3.03 | 93.7 |
| W232858 | | 4.34 | 0.06 | 0.12 | 4.98 | 33.1 | 670 | 1.62 | 3.74 | 4.00 | 0.09 | 63.2 | 13.9 | 82 | 3.17 | 36.8 |
| W232859 | | 3.23 | 0.03 | 0.11 | 4.34 | 56.5 | 790 | 1.66 | 3.15 | 5.16 | 0.21 | 64.7 | 13.5 | 73 | 2.92 | 33.0 |
| W232860 | | 4.30 | 0.02 | 0.08 | 4.22 | 21.7 | 890 | 1.64 | 2.30 | 4.59 | 0.08 | 55.5 | 8.8 | 76 | 2.60 | 26.3 |

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20229591

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W231471 | | 3.99 | 11.40 | 0.08 | 2.5 | 0.037 | 1.97 | 32.3 | 7.3 | 2.28 | 611 | 10.55 | 0.07 | 20.8 | 51.4 | 3660 |
| W231472 | | 3.97 | 11.10 | 0.10 | 2.6 | 0.040 | 2.09 | 26.1 | 6.9 | 2.06 | 613 | 10.95 | 0.07 | 22.7 | 46.9 | 1700 |
| W231473 | | 4.05 | 17.30 | 0.13 | 3.8 | 0.054 | 3.02 | 44.1 | 10.7 | 2.15 | 559 | 8.09 | 0.10 | 37.2 | 49.1 | 2440 |
| W231474 | | 10.50 | 15.00 | 0.12 | 1.1 | 1.085 | 1.89 | 13.2 | 11.9 | 1.25 | 1040 | 33.5 | 1.69 | 3.3 | 17.8 | 1090 |
| W231475 | | 3.89 | 14.25 | 0.11 | 3.1 | 0.045 | 2.62 | 36.2 | 8.9 | 2.04 | 517 | 4.50 | 0.09 | 31.9 | 44.3 | 2330 |
| W231476 | | 3.74 | 14.20 | 0.11 | 3.1 | 0.044 | 2.66 | 34.7 | 9.0 | 2.08 | 505 | 5.47 | 0.08 | 30.3 | 44.0 | 2110 |
| W231477 | | 4.57 | 9.64 | 0.07 | 2.0 | 0.039 | 1.79 | 25.6 | 6.7 | 3.27 | 974 | 6.33 | 0.06 | 17.4 | 41.8 | 2050 |
| W231478 | | 4.17 | 11.10 | 0.08 | 2.4 | 0.036 | 2.08 | 37.1 | 7.0 | 2.67 | 741 | 4.72 | 0.07 | 19.4 | 38.6 | 2670 |
| W231479 | | 4.91 | 11.95 | 0.12 | 2.5 | 0.040 | 2.24 | 31.7 | 7.8 | 2.64 | 750 | 4.26 | 0.07 | 26.7 | 51.3 | 2150 |
| W231480 | | 4.58 | 16.10 | 0.10 | 3.4 | 0.052 | 3.05 | 42.1 | 9.9 | 2.03 | 490 | 7.19 | 0.09 | 34.1 | 64.0 | 2500 |
| W231481 | | 4.26 | 12.30 | 0.11 | 2.6 | 0.039 | 2.30 | 35.7 | 7.7 | 2.30 | 598 | 6.24 | 0.07 | 25.6 | 50.0 | 2120 |
| W231482 | | 2.58 | 14.50 | 0.12 | 1.9 | 0.041 | 1.47 | 12.7 | 2.7 | 0.56 | 723 | 7.28 | 3.26 | 5.7 | 8.7 | 480 |
| W231483 | | 4.58 | 13.90 | 0.17 | 3.0 | 0.044 | 2.73 | 31.4 | 9.1 | 1.79 | 410 | 12.85 | 0.09 | 29.6 | 67.5 | 1860 |
| W231484 | | 4.22 | 14.05 | 0.11 | 3.2 | 0.042 | 2.61 | 34.1 | 9.0 | 2.06 | 479 | 10.50 | 0.08 | 31.4 | 52.7 | 2540 |
| W231485 | | 3.78 | 11.00 | 0.10 | 2.4 | 0.036 | 1.93 | 27.0 | 6.9 | 2.33 | 617 | 7.59 | 0.06 | 19.9 | 42.0 | 2270 |
| W231486 | | 0.10 | 0.38 | 0.07 | 0.1 | <0.005 | 0.04 | 1.1 | 1.2 | 1.38 | 94 | 0.07 | 0.04 | 0.3 | 4.5 | 60 |
| W231487 | | 4.06 | 7.16 | 0.09 | 1.6 | 0.030 | 1.35 | 25.7 | 5.2 | 2.82 | 868 | 8.61 | 0.04 | 11.9 | 39.1 | 1990 |
| W231488 | | 3.50 | 8.14 | 0.07 | 1.8 | 0.033 | 1.48 | 28.1 | 6.1 | 3.18 | 973 | 2.59 | 0.05 | 14.8 | 20.0 | 1590 |
| W231489 | | 3.99 | 11.05 | 0.10 | 2.6 | 0.045 | 1.98 | 34.7 | 8.4 | 3.13 | 914 | 7.17 | 0.06 | 25.0 | 33.7 | 1740 |
| W231490 | | 5.84 | 6.83 | 0.08 | 1.5 | 0.028 | 1.27 | 25.0 | 5.0 | 4.16 | 1490 | 2.71 | 0.04 | 11.7 | 43.5 | 1490 |
| W231491 | | 5.15 | 7.66 | 0.08 | 2.0 | 0.040 | 1.44 | 21.2 | 5.0 | 2.90 | 1120 | 4.60 | 0.04 | 15.7 | 40.1 | 1570 |
| W231492 | | 5.73 | 8.67 | 0.09 | 2.0 | 0.036 | 1.62 | 34.0 | 7.8 | 4.16 | 1200 | 2.67 | 0.05 | 17.2 | 51.9 | 2110 |
| W231493 | | 4.85 | 12.05 | 0.09 | 2.5 | 0.046 | 2.18 | 31.3 | 9.0 | 2.92 | 826 | 7.91 | 0.06 | 23.6 | 44.1 | 2410 |
| W231494 | | 4.95 | 9.98 | 0.10 | 2.1 | 0.039 | 1.91 | 35.7 | 7.8 | 3.30 | 961 | 3.83 | 0.06 | 17.6 | 40.8 | 2090 |
| W231495 | | 4.32 | 13.85 | 0.15 | 2.9 | 0.053 | 2.53 | 32.4 | 10.0 | 2.42 | 661 | 6.53 | 0.07 | 27.6 | 45.1 | 2010 |
| W231496 | | 3.82 | 3.78 | 0.06 | 0.7 | 0.025 | 0.75 | 11.9 | 3.4 | 2.59 | 932 | 1.90 | 0.03 | 5.8 | 30.1 | 840 |
| W231497 | | 3.74 | 3.79 | 0.07 | 0.8 | 0.025 | 0.73 | 12.1 | 3.2 | 2.54 | 939 | 1.97 | 0.02 | 5.8 | 27.4 | 800 |
| W231498 | | 4.82 | 14.80 | 0.13 | 3.3 | 0.056 | 2.80 | 38.2 | 10.3 | 2.22 | 646 | 7.97 | 0.08 | 29.3 | 53.8 | 2320 |
| W231499 | | 4.17 | 16.90 | 0.13 | 3.8 | 0.063 | 3.17 | 33.1 | 11.8 | 1.75 | 446 | 17.30 | 0.09 | 34.5 | 60.4 | 1750 |
| W231500 | | 4.93 | 14.10 | 0.11 | 3.0 | 0.047 | 2.66 | 34.8 | 9.6 | 2.16 | 610 | 9.61 | 0.08 | 29.1 | 58.2 | 2250 |
| W232851 | | 3.90 | 12.45 | 0.09 | 2.7 | 0.041 | 2.37 | 26.4 | 10.8 | 1.81 | 498 | 11.00 | 0.07 | 27.3 | 47.2 | 1960 |
| W232852 | | 4.78 | 17.45 | 0.15 | 3.7 | 0.063 | 3.06 | 45.8 | 15.5 | 2.05 | 524 | 10.05 | 0.08 | 39.3 | 69.2 | 2480 |
| W232853 | | 4.45 | 14.85 | 0.12 | 3.3 | 0.052 | 2.60 | 36.6 | 10.5 | 1.97 | 592 | 9.49 | 0.07 | 31.9 | 58.9 | 1790 |
| W232854 | | 4.50 | 14.95 | 0.11 | 3.4 | 0.058 | 2.61 | 34.1 | 9.7 | 2.03 | 642 | 12.90 | 0.08 | 29.8 | 59.7 | 2050 |
| W232855 | | 4.50 | 14.40 | 0.13 | 3.5 | 0.043 | 2.57 | 42.8 | 9.2 | 1.95 | 633 | 9.01 | 0.07 | 35.5 | 59.3 | 2270 |
| W232856 | | 4.70 | 12.65 | 0.10 | 2.8 | 0.045 | 2.36 | 34.7 | 8.1 | 2.01 | 724 | 4.62 | 0.06 | 31.3 | 64.4 | 1700 |
| W232857 | | 8.59 | 13.00 | 0.17 | 2.9 | 0.038 | 2.51 | 34.5 | 7.6 | 1.45 | 434 | 5.53 | 0.07 | 24.8 | 170.0 | 1970 |
| W232858 | | 3.36 | 12.95 | 0.09 | 3.0 | 0.043 | 2.35 | 35.5 | 8.2 | 1.71 | 526 | 5.90 | 0.07 | 28.9 | 42.2 | 1930 |
| W232859 | | 3.26 | 11.30 | 0.11 | 2.8 | 0.032 | 2.07 | 35.8 | 7.4 | 1.98 | 697 | 5.93 | 0.06 | 28.2 | 35.9 | 1880 |
| W232860 | | 2.89 | 10.55 | 0.09 | 2.6 | 0.030 | 2.02 | 31.2 | 7.0 | 1.99 | 690 | 4.54 | 0.06 | 25.1 | 34.1 | 1800 |

***** See Appendix Page for comments regarding this certificate *****

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Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20229591

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W231471 | | 12.0 | 80.2 | 0.015 | 1.48 | 2.54 | 9.3 | 3 | 2.4 | 141.0 | 1.17 | <0.05 | 6.14 | 0.394 | 0.45 | 8.0 |
| W231472 | | 6.2 | 79.2 | 0.015 | 1.50 | 2.14 | 9.1 | 3 | 2.4 | 131.0 | 1.25 | 0.05 | 6.17 | 0.399 | 0.49 | 7.1 |
| W231473 | | 6.0 | 124.0 | 0.009 | 1.71 | 3.29 | 14.7 | 2 | 3.8 | 124.0 | 2.02 | 0.07 | 9.79 | 0.583 | 0.67 | 6.0 |
| W231474 | | 824 | 56.1 | 0.026 | 7.84 | 70.3 | 9.7 | 22 | 4.3 | 476 | 0.18 | 0.58 | 3.57 | 0.242 | 4.24 | 2.0 |
| W231475 | | 5.0 | 104.0 | 0.012 | 1.60 | 1.91 | 11.9 | 2 | 3.2 | 114.0 | 1.72 | 0.05 | 8.14 | 0.513 | 0.58 | 4.9 |
| W231476 | | 5.6 | 100.5 | 0.011 | 1.25 | 2.03 | 11.9 | 2 | 2.9 | 115.0 | 1.62 | <0.05 | 8.24 | 0.521 | 0.62 | 4.4 |
| W231477 | | 5.3 | 69.2 | 0.010 | 1.69 | 2.10 | 8.5 | 1 | 2.1 | 179.0 | 0.97 | <0.05 | 5.56 | 0.333 | 0.42 | 4.4 |
| W231478 | | 4.0 | 79.2 | 0.009 | 1.34 | 1.44 | 9.5 | 2 | 2.5 | 154.0 | 1.07 | <0.05 | 6.94 | 0.381 | 0.46 | 4.4 |
| W231479 | | 5.5 | 85.5 | 0.013 | 1.88 | 1.81 | 10.4 | 4 | 2.9 | 141.0 | 1.37 | <0.05 | 6.72 | 0.427 | 0.47 | 4.0 |
| W231480 | | 4.5 | 113.5 | 0.010 | 1.82 | 2.62 | 14.1 | 2 | 3.5 | 115.0 | 1.74 | 0.05 | 9.42 | 0.582 | 0.64 | 5.8 |
| W231481 | | 4.9 | 89.1 | 0.006 | 1.72 | 2.35 | 11.0 | 3 | 3.0 | 120.5 | 1.30 | <0.05 | 6.77 | 0.453 | 0.52 | 4.5 |
| W231482 | | 1490 | 31.2 | 0.009 | 0.52 | 118.5 | 7.1 | 4 | 1.9 | 211 | 0.38 | 0.05 | 2.70 | 0.203 | 0.37 | 1.7 |
| W231483 | | 6.2 | 102.5 | 0.012 | 2.36 | 2.58 | 12.6 | 2 | 3.2 | 95.2 | 1.50 | 0.06 | 7.45 | 0.536 | 0.63 | 9.1 |
| W231484 | | 5.1 | 102.0 | 0.013 | 2.02 | 2.16 | 12.0 | 3 | 3.5 | 104.5 | 1.62 | 0.06 | 8.02 | 0.523 | 0.62 | 7.1 |
| W231485 | | 4.5 | 80.9 | 0.014 | 1.49 | 1.52 | 8.9 | 2 | 3.0 | 124.0 | 1.16 | <0.05 | 5.77 | 0.364 | 0.44 | 6.0 |
| W231486 | | 0.6 | 1.2 | <0.002 | 0.01 | 0.10 | 0.2 | 1 | <0.2 | 84.4 | <0.05 | <0.05 | 0.10 | 0.007 | <0.02 | 0.2 |
| W231487 | | 6.8 | 53.4 | 0.014 | 1.78 | 1.31 | 6.4 | 3 | 2.3 | 143.5 | 0.68 | 0.05 | 4.29 | 0.247 | 0.27 | 5.5 |
| W231488 | | 3.4 | 57.5 | 0.002 | 1.04 | 1.17 | 6.8 | 1 | 2.5 | 154.5 | 0.85 | 0.05 | 5.65 | 0.281 | 0.33 | 3.9 |
| W231489 | | 4.4 | 79.9 | 0.005 | 1.21 | 1.09 | 9.5 | 2 | 3.8 | 161.5 | 1.28 | 0.07 | 6.99 | 0.414 | 0.43 | 6.1 |
| W231490 | | 11.1 | 47.5 | 0.004 | 2.44 | 2.43 | 6.5 | 3 | 2.5 | 223 | 0.63 | 0.05 | 3.70 | 0.224 | 0.30 | 5.1 |
| W231491 | | 8.0 | 54.3 | 0.004 | 2.55 | 5.16 | 6.8 | 2 | 2.6 | 174.0 | 0.84 | 0.05 | 4.76 | 0.298 | 0.38 | 7.6 |
| W231492 | | 5.9 | 62.7 | 0.002 | 2.48 | 1.05 | 8.1 | 3 | 2.9 | 212 | 0.99 | 0.05 | 5.57 | 0.319 | 0.35 | 6.7 |
| W231493 | | 6.2 | 87.1 | 0.010 | 1.95 | 1.34 | 10.2 | 2 | 4.2 | 159.0 | 1.28 | <0.05 | 6.86 | 0.408 | 0.43 | 8.8 |
| W231494 | | 7.7 | 70.8 | 0.007 | 1.65 | 1.24 | 8.9 | 2 | 3.3 | 178.5 | 1.00 | <0.05 | 7.06 | 0.341 | 0.40 | 3.9 |
| W231495 | | 3.7 | 99.4 | 0.013 | 1.57 | 1.38 | 11.7 | 2 | 5.8 | 130.5 | 1.43 | <0.05 | 7.80 | 0.478 | 0.51 | 6.7 |
| W231496 | | 11.5 | 25.7 | <0.002 | 1.38 | 0.57 | 4.0 | 1 | 1.9 | 126.5 | 0.33 | <0.05 | 2.21 | 0.114 | 0.14 | 2.9 |
| W231497 | | 11.1 | 25.5 | <0.002 | 1.35 | 0.56 | 4.0 | 2 | 1.9 | 123.0 | 0.32 | <0.05 | 2.40 | 0.114 | 0.15 | 2.8 |
| W231498 | | 8.7 | 103.0 | 0.006 | 1.92 | 1.47 | 12.9 | 4 | 7.1 | 112.0 | 1.56 | 0.11 | 8.61 | 0.543 | 0.53 | 5.3 |
| W231499 | | 5.9 | 122.0 | 0.019 | 1.87 | 1.89 | 15.2 | 3 | 8.2 | 93.0 | 1.86 | 0.12 | 8.92 | 0.634 | 0.67 | 8.2 |
| W231500 | | 5.7 | 98.3 | 0.013 | 2.20 | 1.75 | 12.2 | 3 | 6.6 | 107.0 | 1.51 | 0.08 | 7.53 | 0.519 | 0.57 | 6.5 |
| W232851 | | 8.6 | 86.0 | 0.017 | 1.64 | 1.69 | 10.3 | 2 | 6.3 | 98.9 | 1.35 | 0.12 | 6.90 | 0.471 | 0.57 | 6.5 |
| W232852 | | 14.9 | 115.5 | 0.018 | 1.81 | 2.07 | 15.3 | 4 | 8.6 | 112.0 | 1.95 | 0.13 | 10.95 | 0.649 | 0.67 | 8.1 |
| W232853 | | 5.9 | 100.5 | 0.012 | 1.67 | 1.43 | 12.6 | 4 | 7.7 | 105.0 | 1.64 | 0.09 | 9.51 | 0.509 | 0.56 | 7.0 |
| W232854 | | 5.7 | 103.5 | 0.017 | 1.86 | 1.45 | 12.0 | 3 | 9.1 | 111.5 | 1.60 | 0.09 | 8.22 | 0.478 | 0.60 | 7.3 |
| W232855 | | 6.4 | 99.4 | 0.016 | 1.81 | 1.82 | 12.1 | 2 | 10.0 | 106.5 | 1.78 | 0.13 | 7.68 | 0.598 | 0.58 | 6.6 |
| W232856 | | 4.2 | 86.8 | 0.005 | 1.82 | 1.11 | 11.6 | 4 | 8.3 | 93.0 | 1.47 | 0.12 | 6.84 | 0.538 | 0.49 | 5.4 |
| W232857 | | 5.6 | 90.5 | 0.009 | 5.12 | 2.65 | 12.0 | 11 | 8.4 | 79.2 | 1.18 | 0.21 | 7.07 | 0.423 | 0.50 | 14.7 |
| W232858 | | 4.0 | 91.5 | 0.010 | 1.37 | 1.09 | 11.5 | 2 | 8.6 | 87.4 | 1.52 | 0.15 | 7.34 | 0.465 | 0.48 | 5.2 |
| W232859 | | 4.2 | 84.4 | 0.006 | 1.20 | 1.12 | 9.9 | 3 | 9.5 | 102.5 | 1.42 | 0.14 | 7.06 | 0.437 | 0.46 | 5.2 |
| W232860 | | 3.5 | 78.5 | 0.005 | 1.03 | 1.27 | 9.1 | 1 | 9.6 | 94.8 | 1.30 | 0.07 | 6.33 | 0.419 | 0.46 | 4.4 |

***** See Appendix Page for comments regarding this certificate *****

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20229591

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W231471 | | 202 | 1.0 | 14.2 | 27 | 104.0 |
| W231472 | | 187 | 0.9 | 10.5 | 42 | 100.0 |
| W231473 | | 207 | 1.4 | 14.9 | 16 | 150.0 |
| W231474 | | 133 | 11.0 | 9.9 | 2070 | 30.3 |
| W231475 | | 158 | 1.2 | 12.5 | 14 | 124.0 |
| W231476 | | 168 | 1.2 | 12.4 | 13 | 123.0 |
| W231477 | | 130 | 0.8 | 11.5 | 34 | 83.6 |
| W231478 | | 129 | 0.9 | 12.0 | 16 | 99.9 |
| W231479 | | 154 | 0.9 | 11.6 | 28 | 104.5 |
| W231480 | | 175 | 1.1 | 13.6 | 19 | 138.5 |
| W231481 | | 179 | 0.9 | 12.1 | 26 | 103.5 |
| W231482 | | 53 | 10.8 | 16.6 | 2630 | 62.5 |
| W231483 | | 179 | 1.0 | 10.9 | 24 | 125.0 |
| W231484 | | 216 | 1.1 | 12.7 | 16 | 127.0 |
| W231485 | | 184 | 0.9 | 11.0 | 27 | 97.7 |
| W231486 | | 1 | 0.1 | 2.1 | 4 | 2.1 |
| W231487 | | 130 | 0.7 | 10.4 | 31 | 65.0 |
| W231488 | | 103 | 0.7 | 10.3 | 22 | 73.5 |
| W231489 | | 145 | 1.0 | 11.9 | 23 | 110.5 |
| W231490 | | 82 | 0.7 | 10.4 | 69 | 61.1 |
| W231491 | | 93 | 0.9 | 12.0 | 58 | 78.5 |
| W231492 | | 100 | 0.8 | 11.6 | 32 | 81.1 |
| W231493 | | 180 | 1.2 | 12.4 | 26 | 106.0 |
| W231494 | | 128 | 0.8 | 11.6 | 32 | 86.4 |
| W231495 | | 158 | 1.1 | 11.7 | 32 | 112.0 |
| W231496 | | 40 | 0.4 | 7.2 | 54 | 28.4 |
| W231497 | | 38 | 0.3 | 7.2 | 55 | 28.7 |
| W231498 | | 194 | 1.3 | 12.8 | 31 | 127.5 |
| W231499 | | 269 | 1.5 | 11.7 | 13 | 149.0 |
| W231500 | | 185 | 1.1 | 12.3 | 23 | 126.5 |
| W232851 | | 204 | 1.2 | 10.6 | 31 | 110.0 |
| W232852 | | 273 | 1.7 | 15.3 | 69 | 154.5 |
| W232853 | | 199 | 1.3 | 12.9 | 25 | 133.0 |
| W232854 | | 195 | 1.4 | 13.2 | 16 | 129.5 |
| W232855 | | 201 | 1.6 | 14.5 | 17 | 141.0 |
| W232856 | | 160 | 1.3 | 12.7 | 17 | 122.5 |
| W232857 | | 178 | 1.3 | 12.3 | 21 | 125.0 |
| W232858 | | 166 | 1.5 | 12.7 | 17 | 117.5 |
| W232859 | | 158 | 1.6 | 13.2 | 28 | 112.0 |
| W232860 | | 150 | 1.7 | 11.5 | 14 | 103.5 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20229591

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE WH20228452

Project: Rau

P.O. No.: R20-D58

This report is for 19 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-OCT-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ANDREW CARNE | ADAM COULTER | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| PUL-31 | Pulverize up to 250g 85% <75 um |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21d | Sample logging - ClientBarCode Dup |
| SPL-21d | Split sample - duplicate |
| PUL-31d | Pulverize Split - duplicate |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA26 | Ore Grade Au 50g FA AA finish | AAS |
| ME-MS61 | 48 element four acid ICP-MS | |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

**Signature:**

Saa Traxler, General Manager, North Vancouver

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228452

| Sample Description | Method | WEI-21 | Au-AA26 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.01 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| W232861 | | 1.02 | 0.06 | 0.13 | 2.61 | 65.9 | 550 | 0.96 | 2.44 | 6.49 | 0.11 | 53.3 | 15.8 | 63 | 1.85 | 61.2 |
| W232862 | | <0.02 | 0.02 | 0.13 | 2.60 | 70.6 | 440 | 0.94 | 2.43 | 6.42 | 0.11 | 54.4 | 15.7 | 63 | 1.89 | 67.7 |
| W232863 | | 3.47 | 0.03 | 0.10 | 4.46 | 40.4 | 780 | 1.33 | 2.66 | 5.85 | 0.16 | 73.5 | 14.3 | 90 | 2.85 | 50.4 |
| W232864 | | 6.21 | 0.05 | 0.10 | 4.06 | 18.4 | 1090 | 1.20 | 2.11 | 5.31 | 0.05 | 59.4 | 8.9 | 95 | 2.58 | 27.7 |
| W232865 | | 6.30 | 0.03 | 0.10 | 4.43 | 28.0 | 810 | 1.38 | 1.54 | 4.90 | 0.14 | 65.6 | 13.8 | 76 | 2.93 | 43.8 |
| W232866 | | 3.19 | 0.05 | 0.11 | 4.33 | 34.4 | 1020 | 1.35 | 1.06 | 4.94 | 0.11 | 54.0 | 13.3 | 69 | 2.87 | 32.1 |
| W232867 | | 2.83 | 0.07 | 0.10 | 4.51 | 34.7 | 920 | 1.41 | 1.28 | 4.96 | 0.16 | 54.6 | 14.6 | 78 | 3.04 | 36.7 |
| W232868 | | 7.19 | 0.06 | 0.10 | 3.48 | 44.7 | 740 | 1.05 | 1.21 | 6.61 | 0.20 | 55.6 | 13.9 | 66 | 2.10 | 44.9 |
| W232869 | | 11.40 | 0.04 | 0.10 | 5.61 | 24.8 | 580 | 1.74 | 1.39 | 5.14 | 0.20 | 66.2 | 17.7 | 87 | 3.53 | 39.0 |
| W232870 | | 0.16 | 1.31 | 76.0 | 7.34 | 30.5 | 4450 | 1.03 | 0.12 | 1.88 | 14.10 | 27.7 | 5.1 | 18 | 0.41 | 222 |
| W232871 | | 11.32 | 0.09 | 0.16 | 5.63 | 17.1 | 320 | 1.52 | 1.57 | 5.89 | 0.17 | 79.1 | 24.4 | 115 | 3.40 | 55.8 |
| W232872 | | 11.39 | 0.03 | 0.12 | 5.46 | 34.3 | 530 | 1.63 | 1.07 | 4.75 | 0.12 | 71.2 | 18.9 | 85 | 3.56 | 54.2 |
| W232873 | | 11.76 | 0.03 | 0.10 | 5.23 | 56.6 | 560 | 1.47 | 0.73 | 5.23 | 0.06 | 67.3 | 17.3 | 93 | 3.57 | 41.1 |
| W232874 | | 11.59 | 0.09 | 0.12 | 6.12 | 30.3 | 710 | 1.79 | 0.56 | 4.85 | 0.07 | 78.6 | 17.4 | 111 | 4.32 | 37.6 |
| W232875 | | 5.25 | 0.11 | 0.24 | 4.39 | 47.1 | 520 | 1.30 | 0.56 | 6.16 | 0.47 | 64.6 | 18.4 | 76 | 2.93 | 46.6 |
| W232876 | | 1.85 | <0.01 | 0.01 | 0.11 | <0.2 | 30 | 0.08 | 0.01 | 33.1 | <0.02 | 1.05 | 1.1 | 2 | <0.05 | 1.8 |
| W232877 | | 12.09 | 0.11 | 0.11 | 5.16 | 38.7 | 440 | 1.48 | 0.66 | 5.22 | 0.08 | 65.1 | 17.9 | 86 | 3.33 | 45.0 |
| W232878 | | 8.19 | 0.03 | 0.09 | 4.19 | 74.8 | 500 | 1.17 | 0.66 | 5.53 | 0.09 | 69.5 | 15.2 | 76 | 2.56 | 35.9 |
| W232879 | | 0.16 | 5.20 | 12.20 | 6.20 | 722 | 60 | 0.71 | 5.03 | 3.80 | 9.73 | 27.9 | 25.2 | 33 | 1.41 | 2150 |

***** See Appendix Page for comments regarding this certificate *****

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**VANCOUVER BC V6B 1L8**

Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228452

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 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 |
| W232861 | | 3.91 | 7.08 | 0.11 | 1.4 | 0.031 | 1.19 | 30.2 | 4.9 | 1.54 | 613 | 7.76 | 0.04 | 12.0 | 66.9 | 2090 |
| W232862 | | 4.03 | 7.08 | 0.11 | 1.4 | 0.030 | 1.19 | 30.9 | 4.7 | 1.52 | 621 | 7.67 | 0.04 | 11.9 | 68.5 | 2080 |
| W232863 | | 4.16 | 11.80 | 0.11 | 2.2 | 0.039 | 2.04 | 39.5 | 7.7 | 2.52 | 848 | 6.63 | 0.06 | 20.3 | 53.9 | 1940 |
| W232864 | | 3.06 | 10.20 | 0.11 | 2.2 | 0.035 | 1.85 | 32.1 | 6.7 | 2.15 | 703 | 10.40 | 0.05 | 18.8 | 29.3 | 2350 |
| W232865 | | 3.96 | 11.45 | 0.13 | 2.3 | 0.037 | 2.00 | 34.3 | 7.8 | 2.10 | 678 | 5.43 | 0.07 | 25.2 | 51.7 | 1810 |
| W232866 | | 3.57 | 10.90 | 0.10 | 2.1 | 0.038 | 1.94 | 28.6 | 7.9 | 2.01 | 616 | 4.49 | 0.07 | 21.1 | 46.4 | 2020 |
| W232867 | | 3.66 | 11.40 | 0.10 | 2.3 | 0.037 | 1.99 | 28.6 | 8.5 | 2.00 | 606 | 5.55 | 0.07 | 24.2 | 46.9 | 2230 |
| W232868 | | 4.30 | 8.54 | 0.11 | 1.6 | 0.029 | 1.51 | 30.1 | 6.8 | 2.75 | 869 | 4.43 | 0.06 | 14.5 | 38.9 | 2290 |
| W232869 | | 4.56 | 13.90 | 0.12 | 2.8 | 0.041 | 2.52 | 35.3 | 9.2 | 2.28 | 596 | 9.55 | 0.09 | 26.4 | 54.4 | 2490 |
| W232870 | | 2.58 | 14.10 | 0.08 | 1.8 | 0.040 | 1.46 | 15.0 | 2.6 | 0.56 | 731 | 6.73 | 3.29 | 5.6 | 9.0 | 530 |
| W232871 | | 5.37 | 13.85 | 0.13 | 2.7 | 0.043 | 2.46 | 41.6 | 10.2 | 2.34 | 618 | 10.25 | 0.09 | 27.8 | 77.5 | 2420 |
| W232872 | | 4.44 | 13.90 | 0.14 | 2.8 | 0.035 | 2.42 | 36.3 | 9.3 | 1.89 | 498 | 11.05 | 0.09 | 26.8 | 74.4 | 1330 |
| W232873 | | 4.28 | 13.15 | 0.13 | 2.5 | 0.038 | 2.31 | 34.7 | 10.0 | 2.37 | 619 | 7.64 | 0.08 | 26.2 | 57.3 | 1720 |
| W232874 | | 4.24 | 15.20 | 0.14 | 2.9 | 0.043 | 2.76 | 40.7 | 11.2 | 2.09 | 555 | 6.58 | 0.09 | 30.4 | 56.1 | 2460 |
| W232875 | | 4.82 | 10.80 | 0.12 | 2.0 | 0.037 | 1.89 | 34.0 | 8.9 | 2.36 | 761 | 4.98 | 0.07 | 21.0 | 59.4 | 1720 |
| W232876 | | 0.15 | 0.35 | 0.05 | <0.1 | <0.005 | 0.03 | 1.2 | 1.2 | 1.92 | 112 | 0.05 | 0.04 | 0.2 | 0.5 | 70 |
| W232877 | | 4.50 | 12.65 | 0.12 | 2.5 | 0.039 | 2.25 | 34.4 | 9.5 | 2.17 | 608 | 8.34 | 0.08 | 26.1 | 55.9 | 2190 |
| W232878 | | 4.02 | 10.60 | 0.11 | 2.3 | 0.035 | 1.75 | 37.0 | 8.6 | 2.30 | 629 | 5.96 | 0.06 | 22.2 | 48.0 | 2390 |
| W232879 | | 10.25 | 13.55 | 0.13 | 0.9 | 1.085 | 1.82 | 14.1 | 10.1 | 1.20 | 1010 | 27.5 | 1.67 | 3.1 | 16.6 | 1110 |

***** See Appendix Page for comments regarding this certificate *****

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228452

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| W232861 | | 4.8 | 50.1 | 0.012 | 1.93 | 2.27 | 6.2 | 3 | 5.7 | 114.0 | 0.65 | 0.07 | 4.58 | 0.217 | 0.31 | 8.1 |
| W232862 | | 4.7 | 49.7 | 0.012 | 1.95 | 2.33 | 6.1 | 2 | 5.8 | 113.0 | 0.64 | 0.06 | 5.04 | 0.213 | 0.30 | 8.9 |
| W232863 | | 3.6 | 81.6 | 0.013 | 1.39 | 1.35 | 10.6 | 2 | 7.3 | 135.0 | 1.09 | 0.07 | 7.23 | 0.364 | 0.44 | 7.2 |
| W232864 | | 3.4 | 72.6 | 0.020 | 0.95 | 1.22 | 9.3 | 1 | 5.4 | 121.0 | 1.04 | 0.06 | 6.50 | 0.362 | 0.41 | 9.2 |
| W232865 | | 6.9 | 79.1 | 0.009 | 1.42 | 1.23 | 10.5 | 2 | 4.6 | 117.5 | 1.35 | 0.06 | 5.90 | 0.431 | 0.46 | 6.5 |
| W232866 | | 3.1 | 74.3 | 0.008 | 1.13 | 1.44 | 10.2 | 2 | 3.0 | 105.5 | 1.19 | <0.05 | 5.53 | 0.391 | 0.43 | 4.9 |
| W232867 | | 3.7 | 77.8 | 0.010 | 1.26 | 2.15 | 10.6 | 2 | 3.2 | 107.5 | 1.34 | 0.05 | 5.90 | 0.441 | 0.44 | 5.3 |
| W232868 | | 4.3 | 57.4 | 0.007 | 1.43 | 1.15 | 7.8 | 2 | 2.3 | 128.0 | 0.80 | 0.05 | 7.62 | 0.281 | 0.33 | 4.9 |
| W232869 | | 4.1 | 95.0 | 0.014 | 1.66 | 1.74 | 12.6 | 3 | 3.4 | 113.0 | 1.47 | 0.05 | 7.47 | 0.473 | 0.54 | 7.2 |
| W232870 | | 1495 | 31.5 | 0.009 | 0.51 | 111.5 | 7.3 | 3 | 1.7 | 219 | 0.39 | <0.05 | 2.72 | 0.198 | 0.32 | 1.7 |
| W232871 | | 6.6 | 93.2 | 0.008 | 2.23 | 2.77 | 13.3 | 3 | 2.9 | 118.0 | 1.50 | 0.06 | 7.45 | 0.504 | 0.55 | 13.7 |
| W232872 | | 5.2 | 96.1 | 0.017 | 1.72 | 2.77 | 13.0 | 4 | 2.8 | 101.5 | 1.53 | 0.05 | 7.42 | 0.472 | 0.56 | 6.2 |
| W232873 | | 5.0 | 91.7 | 0.011 | 1.56 | 2.17 | 12.8 | 3 | 2.6 | 106.5 | 1.40 | 0.06 | 6.87 | 0.464 | 0.54 | 4.9 |
| W232874 | | 4.8 | 107.5 | 0.010 | 1.51 | 2.61 | 14.4 | 2 | 2.8 | 107.5 | 1.70 | 0.05 | 8.18 | 0.546 | 0.61 | 5.3 |
| W232875 | | 8.4 | 73.7 | 0.010 | 1.76 | 5.38 | 10.1 | 3 | 2.0 | 117.0 | 1.14 | <0.05 | 5.97 | 0.370 | 0.43 | 4.0 |
| W232876 | | 0.5 | 0.8 | <0.002 | 0.01 | 0.07 | 0.3 | 2 | <0.2 | 79.5 | <0.05 | <0.05 | 0.11 | 0.008 | <0.02 | 0.2 |
| W232877 | | 4.8 | 86.0 | 0.013 | 1.71 | 2.29 | 11.3 | 3 | 2.3 | 107.5 | 1.43 | <0.05 | 7.39 | 0.459 | 0.50 | 6.5 |
| W232878 | | 7.1 | 68.2 | 0.011 | 1.55 | 2.05 | 9.4 | 2 | 2.2 | 112.5 | 1.24 | 0.05 | 6.95 | 0.389 | 0.41 | 6.3 |
| W232879 | | 805 | 51.0 | 0.022 | 7.56 | 59.8 | 9.3 | 20 | 3.5 | 484 | 0.18 | 0.50 | 3.15 | 0.228 | 3.67 | 1.7 |

***** See Appendix Page for comments regarding this certificate *****

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**Finalized Date: 20-DEC-2020**
**Account: RCM**

Project: Rau

# CERTIFICATE OF ANALYSIS WH20228452

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| W232861 | | 131 | 1.1 | 11.2 | 16 | 59.6 |
| W232862 | | 129 | 1.1 | 11.2 | 16 | 59.4 |
| W232863 | | 193 | 1.3 | 13.3 | 26 | 90.4 |
| W232864 | | 216 | 1.2 | 13.0 | 12 | 88.8 |
| W232865 | | 168 | 1.1 | 12.8 | 23 | 99.0 |
| W232866 | | 155 | 0.8 | 12.0 | 19 | 86.6 |
| W232867 | | 164 | 1.0 | 13.3 | 25 | 99.9 |
| W232868 | | 143 | 0.6 | 12.1 | 33 | 68.8 |
| W232869 | | 211 | 1.0 | 14.1 | 32 | 117.0 |
| W232870 | | 54 | 10.0 | 17.7 | 2740 | 58.3 |
| W232871 | | 174 | 1.1 | 15.5 | 34 | 117.0 |
| W232872 | | 240 | 1.0 | 12.7 | 22 | 115.0 |
| W232873 | | 198 | 1.0 | 13.7 | 17 | 102.5 |
| W232874 | | 190 | 1.1 | 15.6 | 20 | 119.0 |
| W232875 | | 168 | 0.9 | 13.7 | 64 | 86.7 |
| W232876 | | 2 | 0.1 | 2.2 | 4 | 1.6 |
| W232877 | | 188 | 1.1 | 14.1 | 19 | 105.5 |
| W232878 | | 165 | 1.2 | 13.6 | 22 | 94.5 |
| W232879 | | 132 | 6.3 | 9.9 | 2080 | 27.9 |

***** See Appendix Page for comments regarding this certificate *****

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Project: Rau


**Finalized Date: 20-DEC-2020**
**Account: RCM**

# CERTIFICATE OF ANALYSIS WH20228452

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

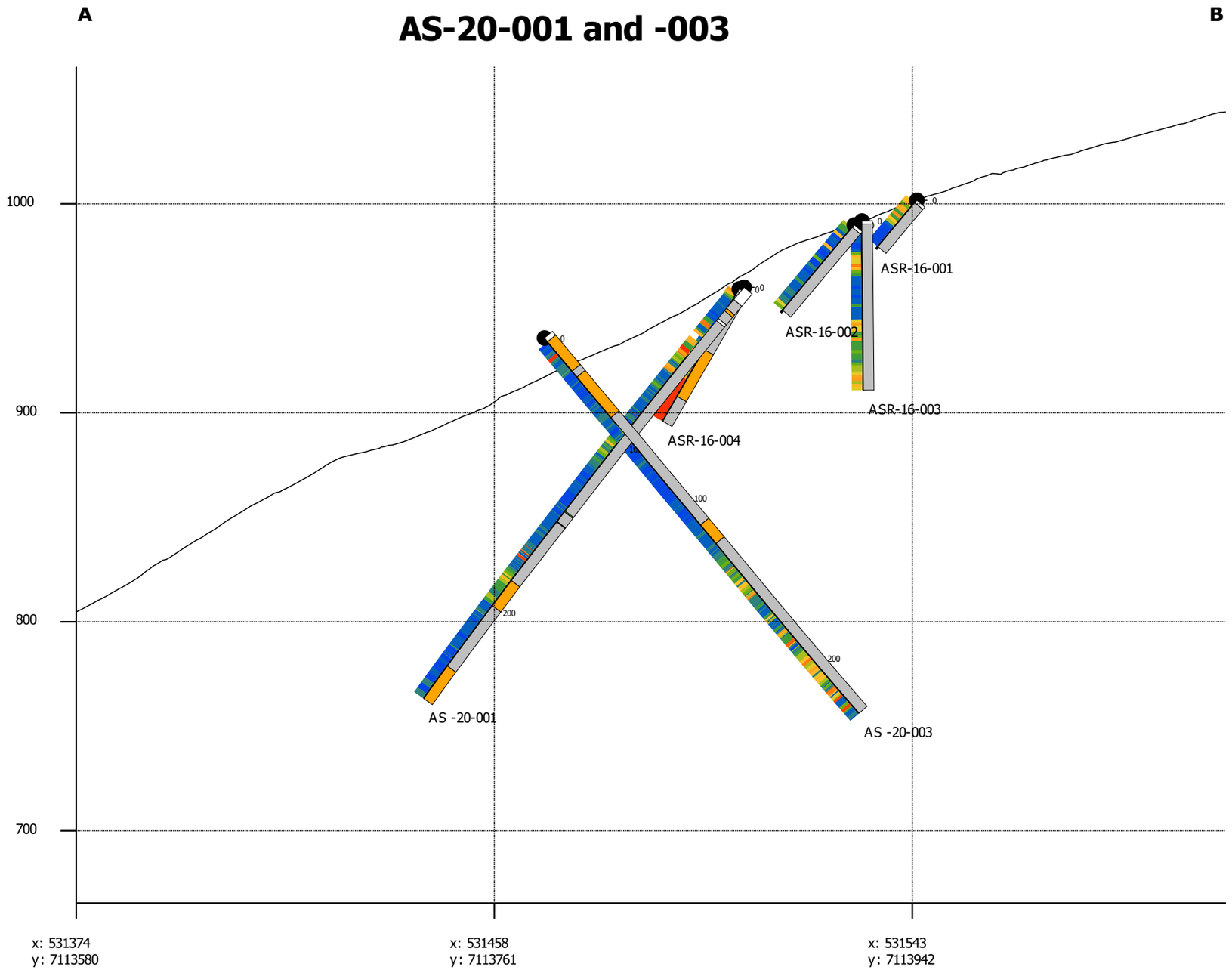
| | | | |
|---|---|---|---|
| CRU-31 | CRU-QC | LOG-21 | LOG-21d |
| LOG-23 | PUL-31 | PUL-31d | PUL-QC |
| SPL-21 | SPL-21d | WEI-21 | |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | |
|---|---|
| Au-AA26 | ME-MS61 |

## APPENDIX XIII

## DIAMOND DRILLING – CROSS SECTIONS




ATAC RESOURCES LTD.

## Legend

**Au**

0 0.1 0.1 0.2 0.2

**RockType**

| | | |
|---|---|---|
| -?- | FLT | QV |
| BAS | MX | SHL |
| BXA | OVB | SST |
| FLR | PHY | |

## Location

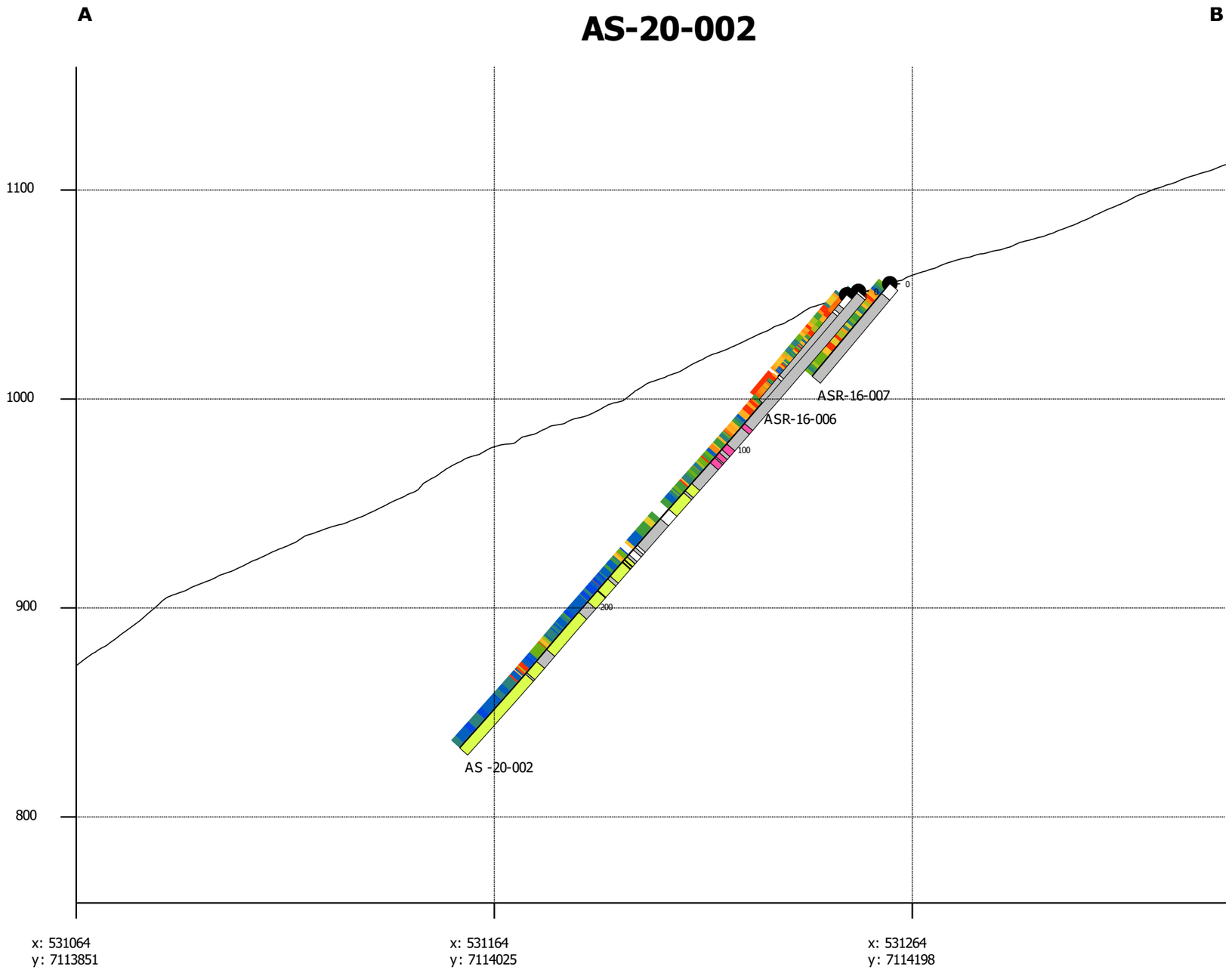
A: 531374, 7113580

B: 531606, 7114078

Scale: 1:2,500

Vertical exaggeration: 1x

0m 200m




ATAC RESOURCES LTD.

## Legend

**Au**

0 0.1 0.1 0.2 0.2

**RockType**

| | | |
|---|---|---|
| -?- | FLT | QV |
| BAS | MX | SHL |
| BXA | OVB | SST |
| FLR | PHY | |

## Location

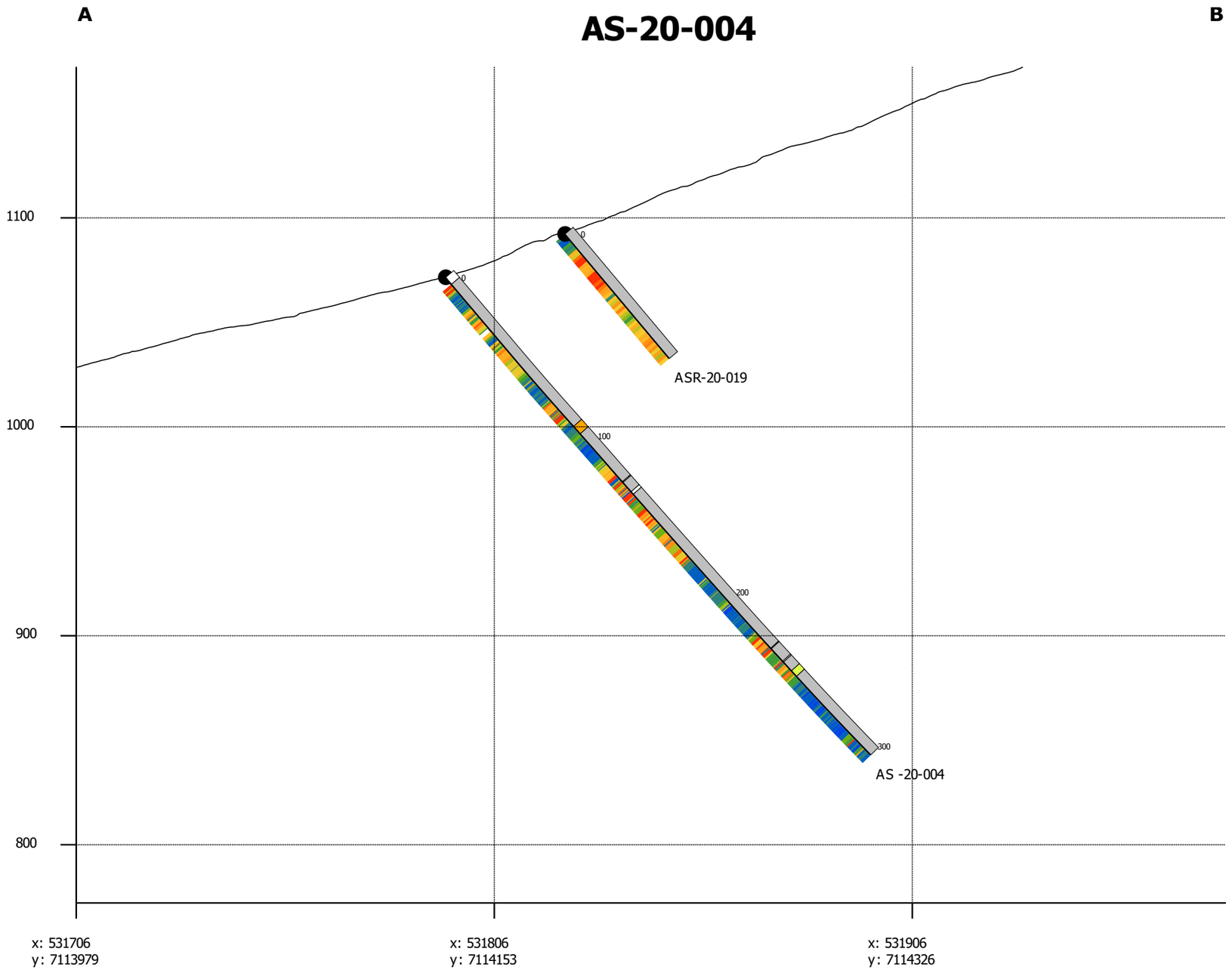
A: 531064, 7113851

B: 531339, 7114328

Scale: 1:2,500

Vertical exaggeration: 1x

0m 200m




ATAC RESOURCES LTD.

## Legend

**Au**

0 0.1 0.1 0.2 0.2

**RockType**

| | | |
|---|---|---|
| -?- | FLT | QV |
| BAS | MX | SHL |
| BXA | OVB | SST |
| FLR | PHY | |

## Location

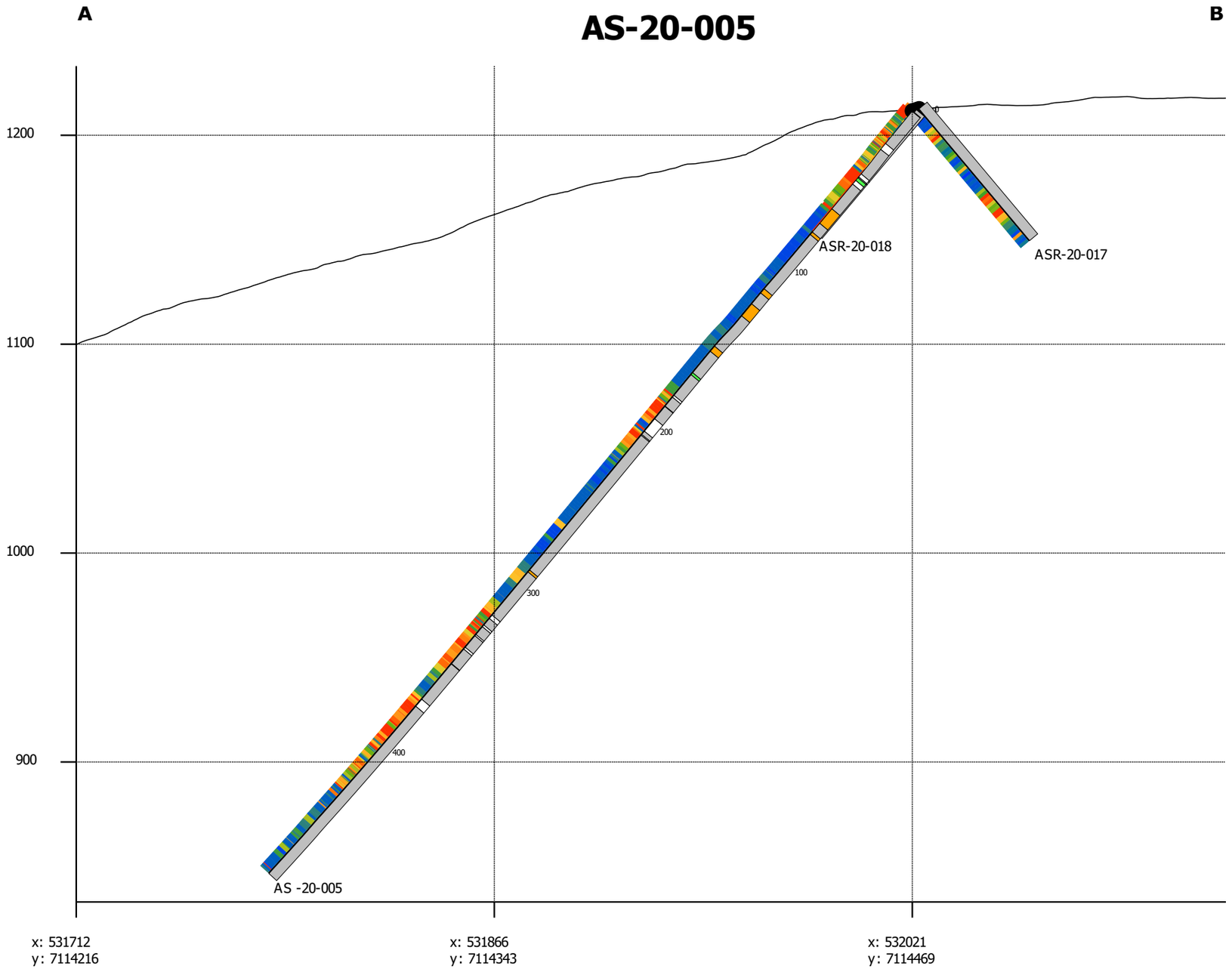
A: 531706, 7113979

B: 531981, 7114456

Scale: 1:2,500

Vertical exaggeration: 1x

0m 200m




ATAC RESOURCES LTD.

## Legend

**Au**

0 0.1 0.1 0.2 0.2

**RockType**

| | | |
|---|---|---|
| -?- | FLT | QV |
| BAS | MX | SHL |
| BXA | OVB | SST |
| FLR | PHY | |

## Location

A: 531712, 7114216

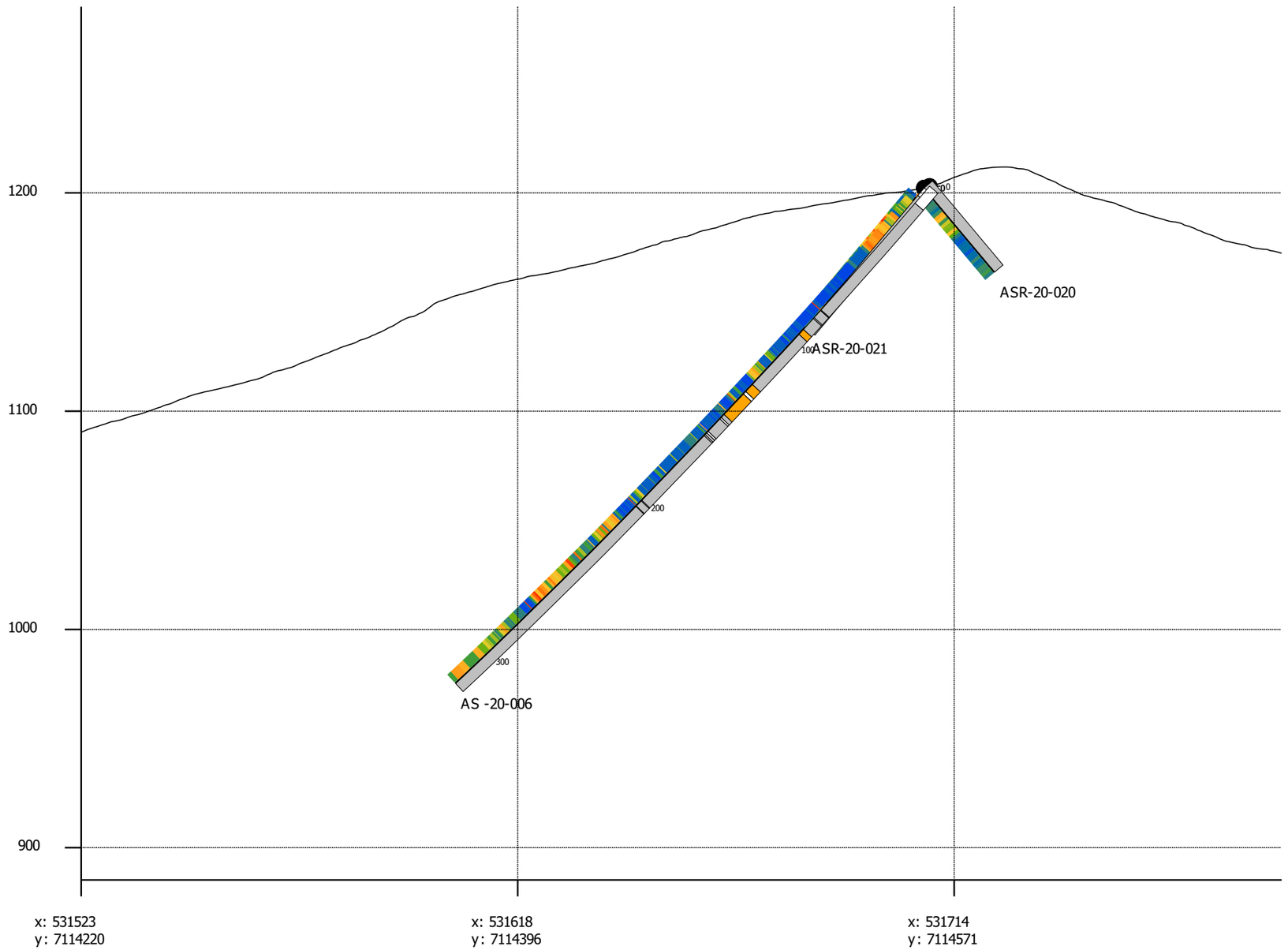
B: 532138, 7114564

Scale: 1:2,500

Vertical exaggeration: 1x

0m 200m

# AS-20-006




ATAC RESOURCES LTD.

## Legend

**Au**

0 0.1 0.1 0.2 0.2

**RockType**

| | | |
|---|---|---|
| -?- | FLT | QV |
| BAS | MX | SHL |
| BXA | OVB | SST |
| FLR | PHY | |

## Location

A: 531523, 7114220

B: 531786, 7114703

Scale: 1:2,500

Vertical exaggeration: 1x

0m 200m

## APPENDIX XIV

## STANDARD CERTIFICATES

**SMEE & ASSOCIATES CONSULTING LTD.**
*CONSULTING GEOCHEMISTRY / GEOLOGY*

# Certificate of Analysis

## RAU Standard 2010 A

| Element | Certified Mean | Two Standard Deviations (between lab) |
|---|---|---|
| **FA Au** | **0.437 g/t** | **0.048 g/t** |

Means and standard deviations were calculated from data supplied by six laboratories using a fire assay, ICP-ES finish.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
Actlabs, Ancaster
IPL, Vancouver
TSL, Saskatoon
Ecotech, Kamloops

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. This was done by using a Student's t test of means where a laboratory was removed from the data base if failing the t test. The means and standard deviations from the remaining data were calculated. Any analysis that fell outside of the mean ± 2SD was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The final standard deviation is known as the "Between Lab" deviation, and can be used to monitor accuracy of a single analysis.

Elements are certified if the Relative Standard Deviation (RSD) is near 5 % or less. Elements that have a RSD of between 5 % and 15 % are given a Provisional mean and elements that have a RSD of more than 15 %, or have insufficient data are not certified but given an Indicated Mean.

Smee and Associates Consulting Ltd.
4658 Capilano Rd. North Vancouver, B.C., Canada, V7R 4K3
Tel: 604-929-0667; Fax: 604-929-0662
e-mail: bwsmee@geochemist.com
web site: www.geochemist.com

The bulk standards were prepared and packaged by CDN Labs of Langley B.C. Each bulk sample was pulverized in a large rod mill, screened through 270 mesh using an electric sieve, and homogenized in a large rotating mixer.

Certified by:



Barry W. Smee, Ph.D., P.Geo.

Smee and Associates Consulting Ltd.
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Tel: 604-929-0667; Fax: 604-929-0662
e-mail: bwsmee@geochemist.com
web site: www.geochemist.com

**SMEE & ASSOCIATES CONSULTING LTD.**
*CONSULTING GEOCHEMISTRY / GEOLOGY*

# Certificate of Analysis

## RAU Standard 2010 B

| Element | Certified Mean | Two Standard Deviations (between lab) |
|---|---|---|
| **FA Au** | **1.83 g/t** | **0.21 g/t** |

Means and standard deviations were calculated from data supplied by six laboratories using a fire assay, ICP-ES finish.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
Actlabs, Ancaster
IPL, Vancouver
TSL, Saskatoon
Ecotech, Kamloops

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. This was done by using a Student's t test of means where a laboratory was removed from the data base if failing the t test. The means and standard deviations from the remaining data were calculated. Any analysis that fell outside of the mean ± 2SD was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The final standard deviation is known as the "Between Lab" deviation, and can be used to monitor accuracy of a single analysis.

Elements are certified if the Relative Standard Deviation (RSD) is near 5 % or less. Elements that have a RSD of between 5 % and 15 % are given a Provisional mean and elements that have a RSD of more than 15 %, or have insufficient data are not certified but given an Indicated Mean.

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*CONSULTING GEOCHEMISTRY / GEOLOGY*

# Certificate of Analysis

## RAU Standard 2010 C

| Element | Certified Mean | Two Standard Deviations (between lab) |
|---|---|---|
| **FA Au** | **3.83 g/t** | **0.33 g/t** |

Means and standard deviations were calculated from data supplied by six laboratories using a fire assay, ICP-ES finish.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
Actlabs, Ancaster
IPL, Vancouver
TSL, Saskatoon
Ecotech, Kamloops

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. This was done by using a Student's t test of means where a laboratory was removed from the data base if failing the t test. The means and standard deviations from the remaining data were calculated. Any analysis that fell outside of the mean ± 2SD was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The final standard deviation is known as the "Between Lab" deviation, and can be used to monitor accuracy of a single analysis.

Elements are certified if the Relative Standard Deviation (RSD) is near 5 % or less. Elements that have a RSD of between 5 % and 15 % are given a Provisional mean and elements that have a RSD of more than 15 %, or have insufficient data are not certified but given an Indicated Mean.

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The bulk standards were prepared and packaged by CDN Labs of Langley B.C. Each bulk sample was pulverized in a large rod mill, screened through 270 mesh using an electric sieve, and homogenized in a large rotating mixer.

Certified by:



Barry W. Smee, Ph.D., P.Geo.

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*CONSULTING GEOCHEMISTRY / GEOLOGY*

# Certificate of Analysis

## RAU Standard 2010 D

| Element | Certified Mean | Two Standard Deviations (between lab) |
|---|---|---|
| **FA Au** | **2.72 g/t** | **0.35 g/t** |
| **4 acid or XRF W** | **0.214 %** | **0.026 %** |

Means and standard deviations were calculated from data supplied by six laboratories using a fire assay, ICP-ES finish for Au and a four acid digestion ICP-ES, INAA or XRF method for W.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
Actlabs, Ancaster
IPL, Vancouver
TSL, Saskatoon
Ecotech, Kamloops

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. This was done by using a Student's t test of means where a laboratory was removed from the data base if failing the t test. The means and standard deviations from the remaining data were calculated. Any analysis that fell outside of the mean ± 2SD was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1$^{st}$ Iteration in the attached Excel spreadsheets). The final standard deviation is known as the "Between Lab" deviation, and can be used to monitor accuracy of a single analysis.

Elements are certified if the Relative Standard Deviation (RSD) is near 5 % or less. Elements that have a RSD of between 5 % and 15 % are given a Provisional mean and elements that have a RSD of more than 15 %, or have insufficient data are not certified but given an Indicated Mean.

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Certified by:



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# GEOSTATS PTY LTD

**Mining Industry Consultants**
**Reference Material Manufacture and Sales**

**Certified Gold Reference Material Product Code**

# G306-3

**Certified Control Values**

## 50 gram Fire Assay

| | |
|---|---|
| Gold Grade | 8.66 ppm |
| Standard Deviation | 0.33 ppm |
| Confidence Interval | +/- 0.047 ppm |

## Aqua Regia Digest

| | |
|---|---|
| Gold Grade | 8.60 ppm |
| Standard Deviation | 0.52 ppm |
| Confidence Interval | +/- 0.113 ppm |




**CRM Details**

**Control Statistic Details**

Control statistics were produced from results accumulated in the April-2006 & October-2006 round robins. A total of 191 fire assay results and 84 results from an aqua regia technique were used to certify this material.

**Material Description**

This material is described as a High Grade oxide ore.

**Colour Designation (ISCC-NBS, SP440)**

This material is pale red in colour.

**Usage**

This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.

**Preparation and Packaging**

All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an air classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

**Assay Testwork**

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by multiple laboratories from around the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

**Stability**

This product remains stable in its original packaging, away from direct sunlight.

**Material Safety**

This product is not hazardous and non-toxic.

| Neutron Activation Analysis Results (ppm, unless otherwise noted) | |
|---|---|
| Antimony | 0.813 |
| Arsenic | 6.79 |
| Barium | 52.5 |
| Bromine | 0.236 |
| Cadmium | nr |
| Caesium | 62.55 |
| Calcium (%) | nr |
| Cerium | 4 |
| Chromium | 49.9 |
| Cobalt | 11.05 |
| Europium | <0.395 |
| Gold (ppb) | 9450 |
| Hafnium | 0.643 |
| Iridium (ppb) | <12.2 |
| Iron (%) | 2.09 |
| Lanthanum | 2.33 |
| Lutetium | 0.142 |
| Mercury | nr |
| Molybdenum | 21.7 |
| Neodymium | <7.64 |
| Nickel | <100 |
| Potassium (%) | nr |
| Rubidium | 1615 |
| Samarium | 1.26 |
| Scandium | 7.125 |
| Selenium | <4.49 |
| Silver | 26.6 |
| Sodium (%) | 1.22 |
| Strontium | <11.9 |
| Tantalum | <0.5 |
| Tellurium | nr |
| Terbium | <0.5 |
| Thorium | <0.25 |
| Tin | <100 |
| Tungsten | <1 |
| Uranium | <0.5 |
| Ytterbium | 0.6 |
| Zinc | <50 |
| Zirconium | nr |

| Major Elements by Fusion / XRF (%) | |
|---|---|
| Fe | nr |
| $SiO_2$ | nr |
| $Al_2O_3$ | nr |
| $TiO_2$ | nr |
| MnO | nr |
| CaO | nr |
| P | nr |
| S | nr |
| MgO | nr |
| $K_2O$ | nr |
| $Na_2O$ | nr |
| LOI1000 | nr |

Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.

'nr': Not Reported


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**Website http://www.geostats.com.au**


G306-3

Geostats Pty Ltd, Certified Gold Reference Material, Product Code:

# GEOSTATS PTY LTD

**Mining Industry Consultants**
**Reference Material Manufacture and Sales**

**Certified Gold Reference Material Product Code**

# G912-7

**Certified Control Values**

**50 gram Fire Assay**

| | |
|---|---|
| Gold Grade | 0.42 ppm |
| Standard Deviation | 0.02 ppm |
| Confidence Interval | +/- 0.004 ppm |

**Aqua Regia Digest**

| | |
|---|---|
| Gold Grade | 0.41 ppm |
| Standard Deviation | 0.04 ppm |
| Confidence Interval | +/- 0.008 ppm |




**CRM Details**

**Control Statistic Details**

Control statistics were produced from results accumulated in the October-2012 round robin. A total of 158 fire assay results and 73 results from an aqua regia technique were used to certify this material.

**Material Description**

This material is described as a Cut Off ore low grade oxide.

**Colour Designation (ISCC-NBS, SP440)**

This material is pale red in colour.

**Usage**

This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.

**Preparation and Packaging**

All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an air classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

**Assay Testwork**

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by multiple laboratories from around the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

**Stability**

This product remains stable in its original packaging, away from direct sunlight.

**Material Safety**

This product is not hazardous and non-toxic.

| Neutron Activation Analysis Results (ppm, unless otherwise noted) | |
|---|---|
| Antimony | 0.5 |
| Arsenic | 4.6 |
| Barium | 340 |
| Bromine | 1.8 |
| Cadmium | <5 |
| Caesium | 1.5 |
| Calcium (%) | nr |
| Cerium | 35 |
| Chromium | 129 |
| Cobalt | 21 |
| Europium | 1 |
| Gold (ppb) | 410 |
| Hafnium | 6 |
| Iridium (ppb) | <10 |
| Iron (%) | 7.63 |
| Lanthanum | 18 |
| Lutetium | 0.4 |
| Mercury | nr |
| Molybdenum | 10 |
| Neodymium | nr |
| Nickel | 25 |
| Potassium (%) | nr |
| Rubidium | 80 |
| Samarium | 3.8 |
| Scandium | 20.4 |
| Selenium | <2 |
| Silver | <2 |
| Sodium (%) | 1.95 |
| Strontium | nr |
| Tantalum | 1.3 |
| Tellurium | <10 |
| Terbium | 0.7 |
| Thorium | 28.3 |
| Tin | <200 |
| Tungsten | <2 |
| Uranium | 6.3 |
| Ytterbium | 2.2 |
| Zinc | 64 |
| Zirconium | <500 |

| Major Elements by Fusion / XRF (%) | |
|---|---|
| Fe | 7.55 |
| $SiO_2$ | 52.37 |
| $Al_2O_3$ | 19.05 |
| $TiO_2$ | 1.227 |
| MnO | 0.1 |
| CaO | 4.94 |
| P | 0.048 |
| S | 0.044 |
| MgO | 2.81 |
| $K_2O$ | 1.6 |
| $Na_2O$ | 2.624 |
| LOI1000 | 4.16 |

Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.

'nr': Not Reported

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**Website http://www.geostats.com.au**

G912-7

Geostats Pty Ltd, Certified Gold Reference Material, Product Code:

# GEOSTATS PTY LTD

**Mining Industry Consultants**
**Reference Material Manufacture and Sales**

**Certified Gold Reference Material Product Code**

# G999-4

**Certified Control Values**

**50 gram Fire Assay**

| | |
|---|---|
| Gold Grade | 3.02 ppm |
| Standard Deviation | 0.17 ppm |
| Confidence Interval | +/- 0.024 ppm |

**Aqua Regia Digest**

| | |
|---|---|
| Gold Grade | 2.93 ppm |
| Standard Deviation | 0.21 ppm |
| Confidence Interval | +/- 0.041 ppm |




**CRM Details**

**Control Statistic Details**

Control statistics were produced from results accumulated in the October-1999 & October-2006 round robins. A total of 199 fire assay results and 101 results from an aqua regia technique were used to certify this material.

**Material Description**

This material is described as an Oxide Ore ex Eastern Goldfields.

**Colour Designation (ISCC-NBS, SP440)**

This material is pale yellowish brown in colour.

**Usage**

This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.

**Preparation and Packaging**

All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an air classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

**Assay Testwork**

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by multiple laboratories from around the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

**Stability**

This product remains stable in its original packaging, away from direct sunlight.

**Material Safety**

This product is not hazardous and non-toxic.

| Neutron Activation Analysis Results (ppm, unless otherwise noted) | |
|---|---|
| Antimony | 187.5 |
| Arsenic | 1855 |
| Barium | 341.5 |
| Bromine | 2.49 |
| Cadmium | nr |
| Caesium | 3.98 |
| Calcium (%) | 2.02 |
| Cerium | 35.9 |
| Chromium | 689 |
| Cobalt | 47.5 |
| Europium | 0.82 |
| Gold (ppb) | 3065 |
| Hafnium | 4.795 |
| Iridium (ppb) | <20 |
| Iron (%) | 8.415 |
| Lanthanum | 15.8 |
| Lutetium | 0.482 |
| Mercury | nr |
| Molybdenum | <5 |
| Neodymium | <16.4 |
| Nickel | 492 |
| Potassium (%) | 1.22 |
| Rubidium | 56.05 |
| Samarium | 3.43 |
| Scandium | 21.45 |
| Selenium | <5 |
| Silver | <5 |
| Sodium (%) | 0.812 |
| Strontium | <38.4 |
| Tantalum | <1 |
| Tellurium | <5 |
| Terbium | <0.255 |
| Thorium | 4.42 |
| Tin | <208 |
| Tungsten | 41.25 |
| Uranium | <2 |
| Ytterbium | <2.03 |
| Zinc | 460.5 |
| Zirconium | <500 |

| Major Elements by Fusion / XRF (%) | |
|---|---|
| Fe | nr |
| $SiO_2$ | nr |
| $Al_2O_3$ | nr |
| $TiO_2$ | nr |
| MnO | nr |
| CaO | nr |
| P | nr |
| S | nr |
| MgO | nr |
| $K_2O$ | nr |
| $Na_2O$ | nr |
| LOI1000 | nr |

Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.

'nr': Not Reported

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**Website http://www.geostats.com.au**

G999-4

Geostats Pty Ltd, Certified Gold Reference Material, Product Code:

# CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Ave, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

## REFERENCE MATERIAL: CDN-GS-1X

Recommended value and the "Between Laboratory" two standard deviations

| | | | |
|---|---|---|---|
| **Gold** | **1.299 g/t ± 0.132 g/t** | **Certified value** | **30g, FA / Instrumental** |
| **Silver** | **68.5 g/t ± 8.5 g/t** | **Provisional Mean** | **4 Acid /Instrumental** |

**PREPARED BY:** CDN Resource Laboratories Ltd.
**CERTIFIED BY:** Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
**INDEPENDENT GEOCHEMIST:** Dr. Barry Smee., Ph.D., P. Geo.
**DATE OF CERTIFICATION:** May 23rd, 2019

**ORIGIN OF REFERENCE MATERIAL:**

Standard CDN-GS-1X was prepared by combining 812 kg of granite blended with 8 kg of high-grade gold ore supplied by Teuton Resources from their Clone gold property in B.C., Canada and 30 kg of ore provided by Hecla Green Creek property. Mineralization of Clone gold property is localized within highly silicified semi-massive to massive specular hematite. Gold occurs as fine disseminations and is associated with the oxide mineralization. The major lithology is light grey to green andesitic pyroclastic intercalated with fine grained to aphanitic andesite.

The Greens Creek deposit is a polymetallic, stratiform, massive sulfide deposit. The host rock consists of predominantly marine sedimentary, and mafic to ultramafic volcanic and plutonic rocks, which have been subjected to multiple periods of deformation. Mineralization occurs discontinuously along the contact between a structural hanging wall of quartz mica carbonate phyllites, and a structural footwall of graphitic and calcareous argillite.

**METHOD OF PREPARATION:**

Reject ore material was dried, crushed, pulverized and then passed through a 270-mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone blender. Splits were taken and sent to 15 commercial laboratories for round robin assaying.

**ASSAY PROCEDURES:**

**Au:** 30 gr Fire assay pre-concentration, Instrumental finish.
**Ag:** 4 Acid Digestion with Instrumental finish.

Whole rock analysis and 30 element ICP analysis (4-acid digestion) were also conducted on 5 samples.

**APPROXIMATE CHEMICAL COMPOSITION (by whole rock analysis):**

| | Percent | | Percent |
|---|---|---|---|
| **SiO2** | 69.5 | **Na2O** | 4.3 |
| **Al2O3** | 13.7 | **MgO** | 1.0 |
| **Fe2O3** | 3.7 | **K2O** | 1.8 |
| **CaO** | 2.6 | **TiO2** | 0.3 |
| **MnO** | <0.1 | **LOI** | 1.9 |
| **Total S** | 0.5 | **Total C** | 0.2 |

**STATISTICAL PROCEDURES:**

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The mean and standard deviation were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Our certified gold values are based on 30 g Fire Assay determinations. For optimal results, we strongly recommend you assay our standards with similar methods using "at least" 30 g of material. Using a smaller sample weight may result in erratic values.

**RESULTS FROM ROUND ROBIN ASSAYING:**

| 30g, FA-Instrumental | Lab 1 | Lab 2 | Lab 3 | Lab 4 | Lab 5 | Lab 6 | Lab 7 | Lab 8 | Lab 9 | Lab 10 | Lab 11 | Lab 12 | Lab 13 | Lab 14 | Lab 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Au g/t | | | | | | | | | | | | | | |
| GS-1X-1 | 1.33 | 1.295 | 1.255 | 1.405 | 1.230 | 1.37 | 1.293 | 1.358 | 1.266 | 1.294 | 1.333 | 1.199 | 1.480 | 1.253 | 1.325 |
| GS-1X-2 | 1.24 | 1.245 | 1.210 | 1.335 | 1.200 | 1.26 | 1.379 | 1.323 | 1.291 | 1.359 | 1.329 | 1.334 | 1.389 | 1.178 | 1.275 |
| GS-1X-3 | 1.25 | 1.300 | 1.265 | 1.165 | 1.370 | 1.27 | 1.297 | 1.364 | 1.253 | 1.297 | 1.289 | 1.190 | 1.397 | 1.188 | 1.190 |
| GS-1X-4 | 1.28 | 1.330 | 1.240 | 1.130 | 1.380 | 1.28 | 1.246 | 1.325 | 1.308 | 1.269 | 1.228 | 1.368 | 1.310 | 1.399 | 1.245 |
| GS-1X-5 | 1.24 | 1.280 | 1.240 | 1.300 | 1.485 | 1.25 | 1.258 | 1.360 | 1.293 | 1.378 | 1.345 | 1.333 | 1.262 | 1.198 | 1.305 |
| GS-1X-6 | 1.25 | 1.270 | 1.200 | 1.115 | 1.425 | 1.32 | 1.234 | 1.322 | 1.266 | 1.401 | 1.228 | 1.231 | 1.420 | 1.216 | 1.215 |
| GS-1X-7 | 1.36 | 1.300 | 1.345 | 1.125 | 1.330 | 1.42 | 1.372 | 1.364 | 1.245 | 1.285 | 1.382 | 1.300 | 1.249 | 1.178 | 1.305 |
| GS-1X-8 | 1.33 | 1.375 | 1.290 | 1.250 | 1.575 | 1.38 | 1.266 | 1.322 | 1.211 | 1.356 | 1.388 | 1.402 | 1.321 | 1.049 | 1.375 |
| GS-1X-9 | 1.25 | 1.355 | 1.355 | 1.205 | 1.225 | 1.44 | 1.165 | 1.358 | 1.263 | 1.364 | 1.439 | 1.350 | 1.315 | 1.240 | 1.330 |
| GS-1X-10 | 1.32 | 1.250 | 1.350 | 1.205 | 1.490 | 1.24 | 1.278 | 1.322 | 1.305 | 1.328 | 1.221 | 1.414 | 1.448 | 1.288 | 1.310 |
| **Mean** | **1.285** | **1.300** | **1.275** | **1.224** | **1.371** | **1.32** | **1.279** | **1.342** | **1.270** | **1.333** | **1.318** | **1.312** | **1.36** | **1.219** | **1.288** |
| **Std. Devn.** | **0.046** | **0.043** | **0.058** | **0.098** | **0.126** | **0.074** | **0.063** | **0.020** | **0.030** | **0.045** | **0.075** | **0.081** | **0.079** | **0.090** | **0.056** |
| **% RSD** | **3.54** | **3.28** | **4.52** | **8.00** | **9.22** | **5.60** | **4.94** | **1.50** | **2.36** | **3.36** | **5.72** | **6.14** | **5.80** | **7.36** | **4.39** |
| **4Acid Digestion** | Ag g/t | | | | | | | | | | | | | | |
| GS-1X-1 | 73.3 | 65 | 70 | 71 | 67 | 64.5 | 62 | 65.2 | 64 | 65.7 | 72.1 | 70 | 74 | 68.1 | 79 |
| GS-1X-2 | 72.8 | 66 | 73 | 74 | 73 | 66.5 | 70 | 65.5 | 67 | 67.2 | 72.3 | 70 | 71 | 71.8 | 79 |
| GS-1X-3 | 74.3 | 67 | 65 | 76 | 82 | 66.0 | 64 | 63.7 | 69 | 64.3 | 73.0 | 64 | 69 | 67.6 | 66 |
| GS-1X-4 | 72.0 | 66 | 63 | 69 | 68 | 63.5 | 74 | 63.7 | 72 | 62.0 | 73.3 | 76 | 73 | 77.1 | 64 |
| GS-1X-5 | 76.0 | 64 | 66 | 63 | 76 | 64.5 | 77 | 65.6 | 77 | 62.7 | 71.9 | 76 | 70 | 64.6 | 72 |
| GS-1X-6 | 74.4 | 66 | 72 | 63 | 67 | 65.5 | 67 | 63.4 | 67 | 67.8 | 70.8 | 73 | 67 | 68.4 | 79 |
| GS-1X-7 | 75.9 | 66 | 63 | 70 | 65 | 69.5 | 69 | 65.5 | 65 | 64.6 | 70.7 | 69 | 69 | 58.4 | 65 |
| GS-1X-8 | 73.6 | 68 | 68 | 64 | 64 | 63.0 | 61 | 65.5 | 65 | 65.3 | 69.9 | 65 | 75 | 65.3 | 79 |
| GS-1X-9 | 77.2 | 67 | 63 | 64 | 69 | 52.5 | 71 | 65.0 | 68 | 62.3 | 70.5 | 69 | 73 | 72.9 | 74 |
| GS-1X-10 | 76.8 | 73 | 72 | 63 | 80 | 56.5 | 61 | 63.4 | 74 | 66.1 | 71.2 | 69 | 72 | 70.4 | 80 |
| **Mean** | **74.6** | **67** | **68** | **67.7** | **71** | **63.2** | **68** | **64.7** | **69** | **64.8** | **71.6** | **70** | **71** | **68.5** | **74** |
| **Std. Devn.** | **1.766** | **2.440** | **4.035** | **4.945** | **6.332** | **5.018** | **5.582** | **0.968** | **4.264** | **2.008** | **1.125** | **4.012** | **2.541** | **5.123** | **6.533** |
| **% RSD** | **2.37** | **3.65** | **5.98** | **7.30** | **8.91** | **7.94** | **8.26** | **1.50** | **6.20** | **3.10** | **1.57** | **5.72** | **3.56** | **7.48** | **8.86** |

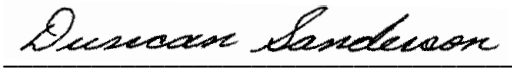
**PARTICIPATING LABORATORIES:** (not in same order as table of assays)

| | |
|---|---|
| AGAT Labs, Mississauga, ON, Canada | Certimin S.A., Lima, Peru |
| ALS Reno, Nevada, USA | SGS, Lima, Peru |
| ALS Canada, North Vancouver, BC, Canada | SGS, Lakefield, Ontario, Canada |
| ALS, Loughrea, Ireland | SGS, Vancouver, BC, Canada |
| ALS, Lima, Peru | Skyline Assayers & Laboratories, AZ, USA |
| ALS, Perth, Australia | MS Analytical, Langley, BC, Canada |
| Bureau Veritas, Perth, Australia | TSL Laboratories Ltd., Saskatoon, SK, Canada |
| Bureau Veritas, Vancouver, BC, Canada | |

**LEGAL NOTICE:**

This certificate and the reference material described in it have been prepared with due care and attention. However, CDN Resource Laboratories Ltd. nor Barry Smee accept any liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



Dr. Barry Smee, Ph.D., P. Geo.

# CDN Resource Laboratories Ltd.

**#2, 20148 – 102nd Ave, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)**

## REFERENCE MATERIAL: CDN-GS-3Q

Recommended values and the "Between Lab" Two Standard Deviations

| | | | | |
|---|---|---|---|---|
| ***Gold*** | ***3.30 g/t*** | ***±*** | ***0.26 g/t*** | ***30 g FA, instrumental*** | ***Certified value*** |

***Note:*** Standards with an RSD of near or less than 5% are certified; RSD's of between 5% and 15% are Provisional; RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

**PREPARED BY**: CDN Resource Laboratories Ltd.
**CERTIFIED BY:** Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
**INDEPENDENT GEOCHEMIST:** Dr. Barry Smee., Ph.D., P. Geo.
**DATE OF CERTIFICATION:** January, 2016

**ORIGIN OF REFERENCE MATERIAL:**

Standard CDN-GS-3Q is made from gold containing ore.

### METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to 15 commercial laboratories for round robin assaying.

**Assay Procedure:**

Au: Fire Assay pre-concentration, AA or ICP finish.

| | Lab 1 | Lab 2 | Lab 3 | Lab 4 | Lab 5 | Lab 6 | Lab 7 | Lab 8 | Lab 9 | Lab 10 | Lab 11 | Lab 12 | Lab 13 | Lab 14 | Lab 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLE | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t |
| GS-3Q-1 | 3.35 | 3.04 | 3.31 | 3.30 | 3.40 | 3.08 | 3.13 | 3.12 | 3.27 | 3.47 | 3.33 | 3.27 | 3.15 | 3.30 | 3.46 |
| GS-3Q-2 | 3.32 | 3.48 | 3.51 | 3.14 | 3.21 | 3.28 | 3.23 | 3.21 | 3.50 | 3.43 | 3.26 | 3.34 | 3.12 | 3.48 | 3.39 |
| GS-3Q-3 | 3.35 | 3.19 | 3.57 | 3.21 | 3.70 | 3.14 | 3.30 | 3.18 | 3.38 | 3.45 | 3.16 | 3.10 | 3.09 | 3.31 | 2.99 |
| GS-3Q-4 | 3.36 | 3.51 | 3.22 | 3.47 | 3.70 | 3.21 | 3.04 | 3.30 | 3.35 | 3.40 | 3.07 | 3.33 | 3.25 | 3.33 | 3.60 |
| GS-3Q-5 | 3.37 | 3.16 | 3.45 | 3.17 | 3.65 | 3.40 | 3.26 | 3.47 | 3.39 | 3.32 | 3.25 | 3.61 | 3.27 | 3.37 | 2.92 |
| GS-3Q-6 | 3.37 | 3.03 | 3.42 | 3.10 | 3.39 | 3.14 | 3.14 | 3.31 | 3.24 | 3.37 | 3.54 | 3.74 | 3.13 | 3.50 | 2.86 |
| GS-3Q-7 | 3.34 | 2.99 | 3.35 | 3.27 | 3.18 | 3.18 | 3.44 | 3.38 | 3.26 | 3.49 | 3.29 | 3.01 | 3.06 | 3.21 | 2.79 |
| GS-3Q-8 | 3.38 | 3.24 | 3.32 | 3.26 | 3.19 | 3.36 | 3.04 | 3.25 | 3.57 | 3.51 | 3.34 | 3.38 | 3.25 | 3.53 | 3.09 |
| GS-3Q-9 | 3.33 | 3.35 | 3.25 | 3.38 | 3.44 | 3.21 | 3.34 | 3.50 | 3.45 | 3.50 | 3.20 | 3.18 | 3.23 | 3.52 | 2.79 |
| GS-3Q-10 | 3.35 | 3.15 | 3.36 | 3.22 | 3.32 | 3.22 | 3.29 | 3.51 | 3.29 | 3.33 | 3.09 | 3.27 | 3.20 | 3.22 | 3.26 |
| Mean | 3.35 | 3.21 | 3.38 | 3.25 | 3.42 | 3.22 | 3.22 | 3.32 | 3.37 | 3.43 | 3.25 | 3.32 | 3.18 | 3.38 | 3.12 |
| Std. Dev'n | 0.0168 | 0.1824 | 0.1114 | 0.1118 | 0.2044 | 0.0999 | 0.1319 | 0.1381 | 0.1107 | 0.0695 | 0.1370 | 0.2195 | 0.0743 | 0.1245 | 0.2944 |
| %RSD | 0.50 | 5.68 | 3.30 | 3.44 | 5.98 | 3.10 | 4.09 | 4.16 | 3.29 | 2.03 | 4.21 | 6.61 | 2.34 | 3.69 | 9.45 |

**Notes: data from laboratory 15 was removed for failing the t-test.**

**Approximate chemical composition (from whole rock analysis) is as follows**:

| | Percent | | | Percent |
|---|---|---|---|---|
| SiO2 | 56.9 | | K2O | 3.6 |
| Al2O3 | 14.9 | | TiO2 | 0.7 |
| Fe2O3 | 9.3 | | LOI | 6.7 |
| CaO | 4.4 | | S | 4.0 |
| Na2O | 0.5 | | C | 0.8 |
| MgO | 2.0 | | | |

**Statistical Procedures:**

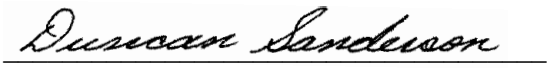
The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

**Participating Laboratories:**
(not in same order as listed in table of results)

Acme, Santiago Chile
Activation Laboratories, Ancaster, Ontario, Canada
Activation Laboratories, Thunder Bay, Ontario, Canada
American Assay Laboratories Inc., Sparks, Nevada, USA
ALS Canada, North Vancouver, BC, Canada
ALS Loughrea (Omac), Ireland
ALS, Sparks, Nevada, USA
Argetest, Ankara, Turkey
Bureau Veritas (Acme), Vancouver, BC, Canada
Certimin, Lima, Peru
Met-Solve Analytical Services, Langley, BC, Canada
SGS, Lima. Peru
SGS, Vancouver, BC, Canada
Skyline Laboratories, Tucson, Arizona, USA
TSL Laboratories Ltd., Saskatoon, SK, Canada

**Legal Notice:**

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by 

Duncan Sanderson, Certified Assayer of B.C.

Geochemist 

Dr. Barry Smee, Ph.D., P. Geo.

# CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Ave, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

## REFERENCE MATERIAL: CDN-GS-5X

Recommended value and the "Between Laboratory" two standard deviations

| | | | |
|---|---|---|---|
| **Gold** | **5.04 g/t ± 0.33 g/t** | **Certified value** | **30g, FA / Instrumental** |
| **Gold** | **5.05 g/t ± 0.30 g/t** | **Certified value** | **30g, FA / Gravimetric** |

**PREPARED BY:** CDN Resource Laboratories Ltd.
**CERTIFIED BY:** Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
**INDEPENDENT GEOCHEMIST:** Dr. Barry Smee, PhD, P Geo
**DATE OF CERTIFICATION:** March 30th, 2020

**ORIGIN OF REFERENCE MATERIAL:**

Standard CDN-GS-5X was prepared by combing miscellaneous ores.

**METHOD OF PREPARATION:**

Reject ore material was dried, crushed, pulverized and then passed through a 270-mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a blender. Splits were taken and sent to 15 commercial laboratories for round robin assaying.

**ASSAY PROCEDURES:**

**Au:** 30 gr Fire assay pre-concentration, Instrumental finish.
**Au:** 30 gr Fire assay pre-concentration, Gravimetric finish.

Whole rock analysis and 30 element ICP analysis (4-acid digestion) were also conducted on 15 samples.

**APPROXIMATE CHEMICAL COMPOSITION (by whole rock analysis):**

| | Percent | | Percent |
|---|---|---|---|
| **SiO2** | 47.6 | **Na2O** | 2.3 |
| **Al2O3** | 12.1 | **K2O** | 2.4 |
| **Fe2O3** | 15.5 | **TiO2** | 0.5 |
| **MgO** | 2.3 | **MnO** | 0.1 |
| **CaO** | 5.7 | **LOI** | 1.5 |
| **Total S** | 7.3 | **Total C** | 1.0 |

**STATISTICAL PROCEDURES:**

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The mean and standard deviation were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Our certified gold values are based on 30 g Fire Assay determinations. For optimal results, we strongly recommend you assay our standards with similar methods using "at least" 30 g of material. Using a smaller sample weight may result in erratic values.

**RESULTS FROM ROUND ROBIN ASSAYING:**

| Sample | Lab 1 | Lab 2 | Lab 3 | Lab 4 | Lab 5 | Lab 6 | Lab 7 | Lab 8 | Lab 9 | Lab 10 | Lab 11 | Lab 12 | Lab 13 | Lab 14 | Lab15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Au (g/t) by Fire Assay, 30g sample size and Instrumental finish | | | | | | | | | | | | | | |
| GS-5X-1 | 5.10 | 5.06 | 4.95 | 5.23 | 5.24 | 4.97 | 4.952 | 4.908 | 5.219 | 5.157 | 4.81 | 4.843 | 5.000 | 5.22 | 5.012 |
| GS-5X-2 | 4.75 | 5.23 | 4.78 | 5.07 | 5.28 | 5.21 | 5.029 | 4.955 | 5.306 | 5.083 | 4.93 | 5.083 | 4.980 | 5.03 | 5.091 |
| GS-5X-3 | 4.82 | 4.86 | 4.76 | 5.34 | 5.12 | 4.95 | 5.132 | 4.830 | 5.218 | 5.030 | 5.44 | 4.855 | 4.990 | 4.73 | 5.150 |
| GS-5X-4 | 4.69 | 5.01 | 5.04 | 5.18 | 5.02 | 5.01 | 5.118 | 5.057 | 5.215 | 4.989 | 5.03 | 4.978 | 5.160 | 5.02 | 4.914 |
| GS-5X-5 | 4.79 | 5.10 | 4.88 | 4.91 | 5.20 | 5.09 | 5.247 | 5.105 | 5.260 | 4.732 | 5.38 | 4.943 | 5.25 | 4.81 | 5.055 |
| GS-5X-6 | 4.79 | 3.40 | 5.23 | 5.03 | 5.14 | 4.94 | 5.662 | 4.973 | 5.242 | 5.182 | 5.24 | 4.958 | 4.73 | 4.97 | 5.335 |
| GS-5X-7 | 4.69 | 4.97 | 5.24 | 4.82 | 5.04 | 5.14 | 5.000 | 5.048 | 5.218 | 4.970 | 5.12 | 5.038 | 4.91 | 5.09 | 5.277 |
| GS-5X-8 | 4.77 | 4.98 | 5.03 | 5.00 | 5.16 | 5.15 | 5.327 | 5.176 | 5.284 | 4.945 | 5.42 | 4.856 | 5.16 | 5.15 | 4.978 |
| GS-5X-9 | 4.74 | 4.98 | 5.01 | 5.17 | 5.19 | 5.07 | 5.177 | 5.098 | 5.218 | 4.889 | 5.60 | 4.854 | 4.94 | 4.77 | 5.007 |
| GS-5X-10 | 4.72 | 4.79 | 5.05 | 4.96 | 5.16 | 5.11 | 5.327 | 5.051 | 5.221 | 4.864 | 5.34 | 5.087 | 5.14 | 5.10 | 4.934 |
| GS-5X-11 | 4.78 | 4.84 | 4.88 | 5.11 | 4.82 | 5.07 | 4.944 | 4.969 | 5.219 | 4.987 | 5.24 | 4.950 | 4.82 | 4.83 | 5.057 |
| GS-5X-12 | 4.71 | 5.14 | 4.85 | 5.13 | 5.12 | 5.09 | 5.381 | 5.166 | 5.253 | 4.988 | 5.10 | 5.081 | 5.05 | 4.95 | 4.986 |
| GS-5X-13 | 4.77 | 5.32 | 5.20 | 4.92 | 5.19 | 5.03 | 5.259 | 5.311 | 5.285 | 5.197 | 5.20 | 4.862 | 5.21 | 4.92 | 4.877 |
| GS-5X-14 | 5.12 | 4.78 | 5.14 | 5.11 | 5.25 | 5.06 | 5.317 | 5.009 | 5.238 | 5.162 | 5.35 | 4.848 | 4.99 | 4.87 | 4.977 |
| GS-5X-15 | 4.69 | 4.74 | 4.87 | 4.92 | 5.07 | 5.07 | 5.483 | 4.743 | 5.278 | 4.796 | 4.90 | 5.075 | 4.96 | 5.05 | 4.981 |
| Mean | 4.80 | 4.88 | 4.99 | 5.06 | 5.13 | 5.06 | 5.224 | 5.027 | 5.245 | 4.998 | 5.21 | 4.954 | 5.02 | 4.97 | 5.042 |
| Std. Devn. | 0.134 | 0.442 | 0.158 | 0.141 | 0.114 | 0.075 | 0.203 | 0.142 | 0.031 | 0.141 | 0.224 | 0.098 | 0.145 | 0.145 | 0.128 |
| % RSD | 2.80 | 9.06 | 3.17 | 2.78 | 2.23 | 1.49 | 3.89 | 2.82 | 0.59 | 2.83 | 4.30 | 1.98 | 2.88 | 2.92 | 2.53 |
| | Au (g/t) by Fire Assay, 30g sample size and Gravimetric finish | | | | | | | | | | | | | | |
| GS-5X-1 | 5.12 | NSS | 4.95 | 5.11 | 5.21 | 4.79 | 4.8 | 4.80 | 5.20 | 5.05 | 5.44 | 4.92 | 5.21 | 4.9 | 4.940 |
| GS-5X-2 | 4.89 | NSS | 5.17 | 5.05 | 4.98 | 5.08 | 5.1 | 5.06 | 5.31 | 4.91 | 5.69 | 4.89 | 5.04 | 5.1 | 4.963 |
| GS-5X-3 | 5.08 | 4.77 | 5.01 | 5.13 | 5.24 | 4.90 | 4.8 | 5.05 | 5.30 | 4.82 | 5.76 | 4.90 | 4.98 | 4.8 | 5.166 |
| GS-5X-4 | 4.73 | 5.18 | 5.15 | 4.98 | 5.13 | 4.85 | 5.0 | 4.91 | 5.36 | 5.15 | 5.40 | 4.98 | 5.25 | 5.0 | 4.799 |
| GS-5X-5 | 4.77 | 5.75 | 5.11 | 5.09 | 4.76 | 4.63 | 5.1 | 4.96 | 5.35 | 5.08 | 5.61 | 5.15 | 4.90 | 5.4 | 4.927 |
| GS-5X-6 | 5.24 | 3.97 | 4.74 | 4.96 | 5.00 | 5.22 | 5.2 | 4.90 | 5.29 | 5.20 | 5.59 | 4.95 | 4.81 | 5.0 | 5.118 |
| GS-5X-7 | 4.73 | 4.72 | 5.05 | 5.04 | 5.02 | 4.94 | 5.0 | 5.10 | 5.24 | 5.22 | 5.52 | 5.15 | 4.78 | 4.9 | 5.049 |
| GS-5X-8 | 4.93 | 4.25 | 5.10 | 5.20 | 5.18 | 5.22 | 5.0 | 5.06 | 5.14 | 5.00 | 5.56 | 4.98 | 5.06 | 5.1 | 5.146 |
| GS-5X-9 | 4.89 | 4.64 | 4.87 | 5.03 | 5.09 | 4.13 | 5.1 | 5.17 | 5.22 | 5.51 | 5.23 | 5.13 | 5.33 | 5.1 | 4.995 |
| GS-5X-10 | 5.01 | NSS | 5.11 | 5.07 | 4.96 | 5.01 | 4.6 | 5.03 | 5.29 | 5.21 | 4.96 | 5.00 | 5.11 | 5.4 | 4.950 |
| GS-5X-11 | 4.92 | 4.40 | 5.24 | 5.30 | 5.20 | 4.96 | 5.0 | 5.02 | 5.21 | 5.20 | 5.53 | 4.89 | 5.02 | 5.1 | 5.090 |
| GS-5X-12 | 4.93 | 5.17 | 5.35 | 5.37 | 4.96 | 5.01 | 4.8 | 5.08 | 5.36 | 5.11 | 5.36 | 5.01 | 4.81 | 5.0 | 5.369 |
| GS-5X-13 | 4.90 | 4.99 | 4.99 | 5.11 | 4.99 | 5.07 | 5.1 | 4.67 | 5.32 | 5.19 | 5.29 | 4.91 | 4.82 | 4.8 | 5.211 |
| GS-5X-14 | 5.24 | 4.38 | 5.46 | 5.22 | 5.14 | 4.84 | 5.1 | 5.04 | 5.14 | 5.04 | 5.58 | 5.12 | 5.18 | 5.3 | 4.857 |
| GS-5X-15 | 4.90 | 4.67 | 4.95 | 5.09 | 5.03 | 4.85 | 4.6 | 4.53 | 5.32 | 5.17 | 5.51 | 5.12 | 5.19 | 4.9 | 5.040 |
| Mean | 4.95 | 4.74 | 5.08 | 5.12 | 5.06 | 4.90 | 5.0 | 4.96 | 5.27 | 5.12 | 5.47 | 5.01 | 5.03 | 5.1 | 5.041 |
| Std. Devn. | 0.160 | 0.482 | 0.182 | 0.113 | 0.128 | 0.265 | 0.188 | 0.174 | 0.074 | 0.159 | 0.200 | 0.101 | 0.179 | 0.192 | 0.147 |
| % RSD | 3.24 | 10.17 | 3.59 | 2.22 | 2.53 | 5.40 | 3.81 | 3.50 | 1.40 | 3.10 | 3.66 | 2.01 | 3.56 | 3.80 | 2.92 |

****Note: Au results with gravimetric finish from Labs. 2 and 11 were removed for failing the t test**

**PARTICIPATING LABORATORIES:** (not in same order as table of assays)

| | |
|---|---|
| AGAT Labs, ON, Canada | Certimin S.A., Lima, Peru |
| ALS Reno, Nevada, USA | SGS, Lima, Peru |
| ALS Canada, North Vancouver, BC, Canada | SGS, Lakefield, Ontario, Canada |
| ALS, Loughrea, Ireland | SGS, Vancouver, BC, Canada |
| ALS, Lima, Peru | Skyline Assayers & Laboratories, AZ, USA |
| ALS, Perth, Australia | MS Analytical, Langley, BC, Canada |
| Bureau Veritas, Perth, Australia | TSL Laboratories Ltd., Saskatoon, SK, Canada |
| Bureau Veritas, Vancouver, BC, Canada | |

**LEGAL NOTICE:**

This certificate and the reference material described in it have been prepared with due care and attention. However, CDN Resource Laboratories Ltd. nor Barry Smee accept any liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by

Duncan Sanderson, Certified Assayer of B.C.

Geochemist

Dr. Barry Smee, Ph.D., P. Geo.

# CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Ave, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

## REFERENCE MATERIAL: CDN-GS-P5E

Recommended value and the "Between Laboratory" two standard deviations

| Gold | 0.655 g/t ± 0.062 g/t | Certified value | 30g FA / Instrumental |
|---|---|---|---|

**PREPARED BY:** CDN Resource Laboratories Ltd.
**CERTIFIED BY:** Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
**INDEPENDENT GEOCHEMIST:** Dr. Barry Smee., Ph.D., P. Geo.
**DATE OF CERTIFICATION:** September 18th, 2018

**ORIGIN OF REFERENCE MATERIAL:**

Standard CDN-GS-P5E was prepared by combining 850 kg of granite blended with 4 kg of high grade ore supplied by Teuton Resources from their Clone gold property in B.C., Canada.
Mineralization of Clone gold property is localized within highly silicified semi-massive to massive specular hematite. Gold occurs as fine disseminations and is associated with the oxide mineralization. The major lithology is light grey to green andesitic pyroclastic intercalated with fine grained to aphanitic andesite. Clasts are sub angular to angular, matrix supported, and range in size from 1-3cm. Quartz-calcite stockwork pervades the unit in moderate abundance

**METHOD OF PREPARATION:**

Reject ore material was dried, crushed, pulverized and then passed through a 270-mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone blender. Splits were taken and sent to 15 commercial laboratories for round robin assaying.

**ASSAY PROCEDURES:**

**Au:** 30 gr Fire assay pre-concentration, AA or ICP finish.
Whole rock analysis and 30 element ICP analysis (4-acid digestion) were also conducted on 5 samples.

**APPROXIMATE CHEMICAL COMPOSITION (by whole rock analysis):**

| | Percent | | Percent |
|---|---|---|---|
| **SiO2** | 70.1 | **Na2O** | 4.5 |
| **Al2O3** | 14.0 | **MgO** | 1.0 |
| **Fe2O3** | 3.5 | **K2O** | 1.8 |
| **CaO** | 2.5 | **TiO2** | 0.3 |
| **MnO** | 0.1 | **LOI** | 1.7 |
| **Total S** | 0.1 | **Total C** | 0.1 |

**STATISTICAL PROCEDURES:**

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The mean and standard deviation were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Our certified gold values are based on 30 g Fire Assay determinations. For optimal results, we strongly recommend you assay our standards with similar methods using "at least" 30 g of material. Using a smaller sample weight may result in erratic values.

**RESULTS FROM ROUND ROBIN ASSAYING:**

| Instrumental Finish | Lab 1 | Lab 2 | Lab 3 | Lab 4 | Lab 5 | Lab 6 | Lab 7 | Lab 8 | Lab 9 | Lab 10 | Lab 11 | Lab 12 | Lab 13 | Lab 14 | Lab 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t |
| **GS-P5E-1** | 0.669 | 0.673 | 0.583 | 0.597 | 0.66 | 0.701 | 0.629 | 0.664 | 0.620 | 0.612 | 0.661 | 0.665 | 0.662 | 0.631 | 0.705 |
| **GS-P5E-2** | 0.678 | 0.684 | 0.666 | 0.635 | 0.67 | 0.709 | 0.651 | 0.649 | 0.637 | 0.622 | 0.621 | 0.661 | 0.671 | 0.667 | 0.658 |
| **GS-P5E-3** | 0.703 | 0.645 | 0.604 | 0.631 | 0.67 | 0.700 | 0.682 | 0.647 | 0.656 | 0.601 | 0.630 | 0.670 | 0.628 | 0.662 | 0.694 |
| **GS-P5E-4** | 0.671 | 0.715 | 0.667 | 0.612 | 0.68 | 0.661 | 0.763 | 0.653 | 0.648 | 0.616 | 0.688 | 0.729 | 0.662 | 0.621 | 0.631 |
| **GS-P5E-5** | 0.691 | 0.650 | 0.645 | 0.555 | 0.70 | 0.705 | 0.698 | 0.665 | 0.684 | 0.627 | 0.675 | 0.779 | 0.635 | 0.611 | 0.683 |
| **GS-P5E-6** | 0.682 | 0.657 | 0.660 | 0.706 | 0.66 | 0.715 | 0.617 | 0.653 | 0.703 | 0.602 | 0.622 | 0.629 | 0.678 | 0.623 | 0.682 |
| **GS-P5E-7** | 0.668 | 0.653 | 0.691 | 0.603 | 0.71 | 0.665 | 0.625 | 0.627 | 0.650 | 0.625 | 0.685 | 0.735 | 0.658 | 0.604 | 0.647 |
| **GS-P5E-8** | 0.691 | 0.677 | 0.640 | 0.665 | 0.67 | 0.681 | 0.665 | 0.628 | 0.680 | 0.592 | 0.673 | 0.622 | 0.640 | 0.641 | 0.670 |
| **GS-P5E-9** | 0.666 | 0.602 | 0.703 | 0.699 | 0.62 | 0.714 | 0.652 | 0.623 | 0.604 | 0.588 | 0.643 | 0.656 | 0.673 | 0.655 | 0.649 |
| **GS-P5E-10** | 0.705 | 0.660 | 0.570 | 0.601 | 0.65 | 0.674 | 0.653 | 0.645 | 0.664 | 0.589 | 0.624 | 0.658 | 0.623 | 0.655 | 0.694 |
| **Mean** | 0.682 | 0.662 | 0.643 | 0.630 | 0.67 | 0.693 | 0.664 | 0.645 | 0.655 | 0.607 | 0.652 | 0.680 | 0.653 | 0.637 | 0.671 |
| **Std. Dev.** | 0.014 | 0.029 | 0.044 | 0.048 | 0.025 | 0.020 | 0.043 | 0.015 | 0.030 | 0.015 | 0.027 | 0.050 | 0.020 | 0.022 | 0.024 |
| **% RSD** | 2.12 | 4.44 | 6.91 | 7.55 | 3.76 | 2.95 | 6.49 | 2.31 | 4.58 | 2.47 | 4.17 | 7.42 | 3.04 | 3.49 | 3.62 |

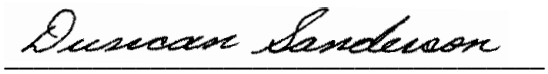
**PARTICIPATING LABORATORIES:** (not in same order as table of assays)

| | |
|---|---|
| Argetest, Ankara, Turkey | Intertek, Genalysis, Western Australia |
| ALS Canada, North Vancouver, BC, Canada | MS Analytical, Langley, BC, Canada |
| ALS, Loughrea, Ireland | SGS, Vancouver, BC, Canada |
| ALS, Lima, Peru | SGS, Lima, Peru |
| ALS, Perth Australia | SGS, Lakefield, Ontario, Canada |
| Bureau Veritas, Perth, Australia | Skyline Assayers & Laboratories, AZ, USA |
| Bureau Veritas, Vancouver, BC, Canada | TSL Laboratories Ltd., Saskatoon, SK, Canada |
| Certimin S.A., Lima, Peru | |

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Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



Dr. Barry Smee, Ph.D., P. Geo.

# CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Ave, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

## REFERENCE MATERIAL: CDN-GS-P6C

Recommended value and the "Between Laboratory" two standard deviations

| | | | |
|---|---|---|---|
| **Gold** | **0.767 g/t ± 0.078 g/t** | **Certified value** | **30g, FA / Instrumental** |
| **Silver** | **66.0 g/t ± 5.5 g/t** | **Certified value** | **4 Acid /Instrumental** |

**PREPARED BY:** CDN Resource Laboratories Ltd.
**CERTIFIED BY:** Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
**INDEPENDENT GEOCHEMIST:** Dr. Barry Smee., Ph.D., P. Geo.
**DATE OF CERTIFICATION:** May 6th, 2019

**ORIGIN OF REFERENCE MATERIAL:**

Standard CDN-GS-P6C was prepared by combining several different siliceous ores with low sulphide content.

**METHOD OF PREPARATION:**

Reject ore material was dried, crushed, pulverized and then passed through a 270-mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone blender. Splits were taken and sent to 15 commercial laboratories for round robin assaying.

**ASSAY PROCEDURES:**

**Au:** 30 gr Fire assay pre-concentration, Instrumental finish.
**Ag:** 4-acid digestion, AA or ICP finish.
Whole rock analysis and 30 element ICP analysis (4-acid digestion) were also conducted on 5 samples.

**APPROXIMATE CHEMICAL COMPOSITION (by whole rock analysis):**

| | Percent | | Percent |
|---|---|---|---|
| **SiO2** | 69.5 | **Na2O** | 3.0 |
| **Al2O3** | 10.6 | **MgO** | 0.8 |
| **Fe2O3** | 3.2 | **K2O** | 1.7 |
| **CaO** | 5.7 | **TiO2** | 0.3 |
| **MnO** | 0.1 | **LOI** | 4.4 |
| **Total S** | 0.4 | **Total C** | 0.9 |

**STATISTICAL PROCEDURES:**

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The mean and standard deviation were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.
Our certified gold values are based on 30 g Fire Assay determinations. For optimal results, we strongly recommend you assay our standards with similar methods using "at least" 30 g of material. Using a smaller sample weight may result in erratic values.

**RESULTS FROM ROUND ROBIN ASSAYING:**

| 30g, FA-Instrumental | Lab 1 | Lab 2 | Lab 3 | Lab 4 | Lab 5 | Lab 6 | Lab 7 | Lab 8 | Lab 9 | Lab 10 | Lab 11 | Lab 12 | Lab 13 | Lab 14 | Lab 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t |
| GS-P6C-1 | 0.786 | 0.81 | 0.778 | 0.792 | 0.810 | 0.748 | 0.799 | 0.798 | 0.753 | 0.707 | 0.781 | 0.738 | 0.786 | 0.81 | 0.778 |
| GS-P6C-2 | 0.754 | 0.78 | 0.782 | 0.763 | 0.809 | 0.759 | 0.839 | 0.737 | 0.731 | 0.709 | 0.801 | 0.913 | 0.754 | 0.78 | 0.782 |
| GS-P6C-3 | 0.881 | 0.75 | 0.812 | 0.818 | 0.795 | 0.744 | 0.793 | 0.741 | 0.762 | 0.698 | 0.766 | 0.821 | 0.881 | 0.75 | 0.812 |
| GS-P6C-4 | 0.800 | 0.78 | 0.784 | 0.765 | 0.802 | 0.740 | 0.767 | 0.795 | 0.729 | 0.712 | 0.866 | 0.756 | 0.800 | 0.78 | 0.784 |
| GS-P6C-5 | 0.841 | 0.74 | 0.685 | 0.753 | 0.810 | 0.762 | 0.755 | 0.773 | 0.728 | 0.711 | 0.842 | 0.755 | 0.841 | 0.74 | 0.685 |
| GS-P6C-6 | 0.712 | 0.71 | 0.731 | 0.806 | 0.801 | 0.769 | 0.823 | 0.815 | 0.723 | 0.724 | 0.750 | 0.783 | 0.712 | 0.71 | 0.731 |
| GS-P6C-7 | 0.689 | 0.73 | 0.761 | 0.765 | 0.806 | 0.809 | 0.882 | 0.730 | 0.715 | 0.711 | 0.779 | 0.755 | 0.689 | 0.73 | 0.761 |
| GS-P6C-8 | 0.704 | 0.72 | 0.797 | 0.928 | 0.804 | 0.755 | 0.847 | 0.737 | 0.736 | 0.723 | 0.745 | 0.736 | 0.704 | 0.72 | 0.797 |
| GS-P6C-9 | 0.835 | 0.67 | 0.786 | 0.735 | 0.796 | 0.749 | 0.789 | 0.824 | 0.770 | 0.729 | 0.777 | 0.739 | 0.835 | 0.67 | 0.786 |
| GS-P6C-10 | 0.804 | 0.71 | 0.804 | 0.868 | 0.790 | 0.730 | 0.867 | 0.819 | 0.880 | 0.708 | 0.806 | 0.736 | 0.804 | 0.71 | 0.804 |
| Mean | 0.781 | 0.741 | 0.772 | 0.799 | 0.802 | 0.757 | 0.816 | 0.777 | 0.753 | 0.713 | 0.791 | 0.773 | 0.781 | 0.741 | 0.772 |
| Std. Devn. | 0.064 | 0.040 | 0.038 | 0.059 | 0.007 | 0.022 | 0.042 | 0.038 | 0.048 | 0.009 | 0.039 | 0.056 | 0.064 | 0.040 | 0.038 |
| % RSD | 8.25 | 5.46 | 4.94 | 7.42 | 0.86 | 2.86 | 5.19 | 4.87 | 6.39 | 1.31 | 4.88 | 7.22 | 8.25 | 5.46 | 4.94 |
| 4Acid Digestion | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t | Ag g/t |
| GS-P6C-1 | 65 | 65 | 63 | 71 | 66.5 | | 68 | 64.4 | 69 | 64.6 | 67.1 | 69 | 60 | 70.6 | 65 |
| GS-P6C-2 | 66 | 64 | 63 | 70 | 65.0 | | 68 | 63.5 | 67 | 64.8 | 66.4 | 71 | 61 | 65.6 | 66 |
| GS-P6C-3 | 67 | 63 | 71 | 63 | 61.5 | | 65 | 64.9 | 65 | 63.9 | 67.2 | 71 | 69 | 67.7 | 69 |
| GS-P6C-4 | 60 | 66 | 62 | 72 | 61.5 | | 60 | 65.3 | 66 | 62.1 | 69.1 | 60 | 67 | 69.3 | 71 |
| GS-P6C-5 | 67 | 64 | 65 | 64 | 62.0 | | 63 | 64.4 | 68 | 63.0 | 66.9 | 65 | 64 | 71.3 | 67 |
| GS-P6C-6 | 67 | 66 | 68 | 62 | 63.5 | | 66 | 63.6 | 67 | 61.6 | 65.0 | 72 | 62 | 74.5 | 66 |
| GS-P6C-7 | 65 | 67 | 68 | 68 | 66.5 | | 68 | 64.7 | 68 | 65.1 | 66.5 | 65 | 68 | 63.1 | 68 |
| GS-P6C-8 | 65 | 69 | 67 | 61 | 67.0 | | 67 | 64.9 | 65 | 64.6 | 66.1 | 73 | 66 | 64.8 | 62 |
| GS-P6C-9 | 70 | 66 | 69 | 67 | 63.0 | | 57 | 64.7 | 64 | 65.4 | 65.6 | 75 | 61 | 69.4 | 66 |
| GS-P6C-10 | 68 | 70 | 69 | 67 | 67.5 | | 71 | 64.1 | 67 | 65.4 | 65.9 | 68 | 68 | 69.0 | 70 |
| Mean | 66 | 66 | 67 | 67 | 64.4 | | 65 | 64.5 | 67 | 64.1 | 66.6 | 69 | 65 | 68.5 | 67 |
| Std. Devn. | 2.625 | 2.211 | 3.064 | 3.866 | 2.378 | | 4.218 | 0.578 | 1.578 | 1.368 | 1.120 | 4.508 | 3.406 | 3.364 | 2.625 |
| % RSD | 3.98 | 3.35 | 4.61 | 5.81 | 3.69 | | 6.46 | 0.90 | 2.37 | 2.14 | 1.68 | 6.54 | 5.27 | 4.91 | 3.92 |

****Note: Results from Lab. 1 were removed for failing the t test.**

**Lab 2. Was not equipped to conduct Ag assaying by 4-acid digestion**

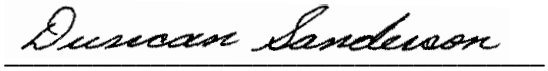
**PARTICIPATING LABORATORIES:** (not in same order as table of assays)

| | |
|---|---|
| ALS Reno, Nevada, USA | Certimin S.A., Lima, Peru |
| ALS Canada, North Vancouver, BC, Canada | SGS, Lima, Peru |
| ALS, Loughrea, Ireland | SGS, Lakefield, Ontario, Canada |
| ALS, Lima, Peru | SGS, Vancouver, BC, Canada |
| ALS, Perth, Australia | Skyline Assayers & Laboratories, AZ, USA |
| Bureau Veritas, Reno, USA | MS Analytical, Langley, BC, Canada |
| Bureau Veritas, Perth, Australia | TSL Laboratories Ltd., Saskatoon, SK, Canada |
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Geochemist

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