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**TASHOTA RESOURCES INC.**

**LAROSE PROPERTY**

**2019 DIAMOND DRILLING PROGRAM  
(DRILL HOLES LR19-01 to 19-08)**

**MOSS TOWNSHIP  
AND TILLY LAKE AREA**

**THUNDER BAY MINING DIVISION**

**NORTHWEST ONTARIO**

**- by -**

**Colin Bowdidge, Ph.D., P.Geo.**

**December 2019**

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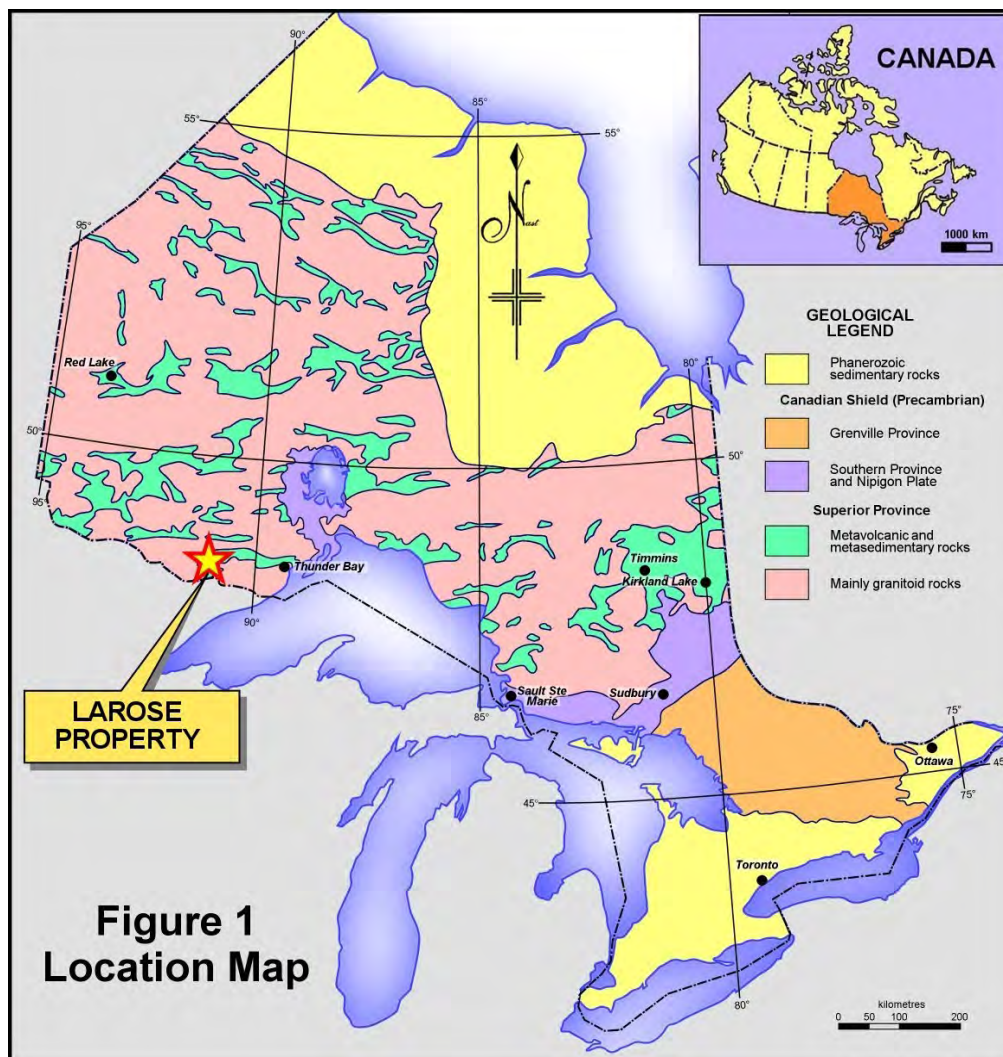
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## INTRODUCTION

This report presents the results of a modest, 501-metre diamond drilling program on the Larose property in the summer of 2019. The property is registered to Russell Kwiatkowski, and is held 100% under option by Tashota Resources Inc.

## PROPERTY, LOCATION AND ACCESS

The combined Larose property is located in Moss Township and the adjacent Tilly Lake Area, approximately 110 kilometres west of Thunder Bay, Ontario. Figure 1 shows the location.





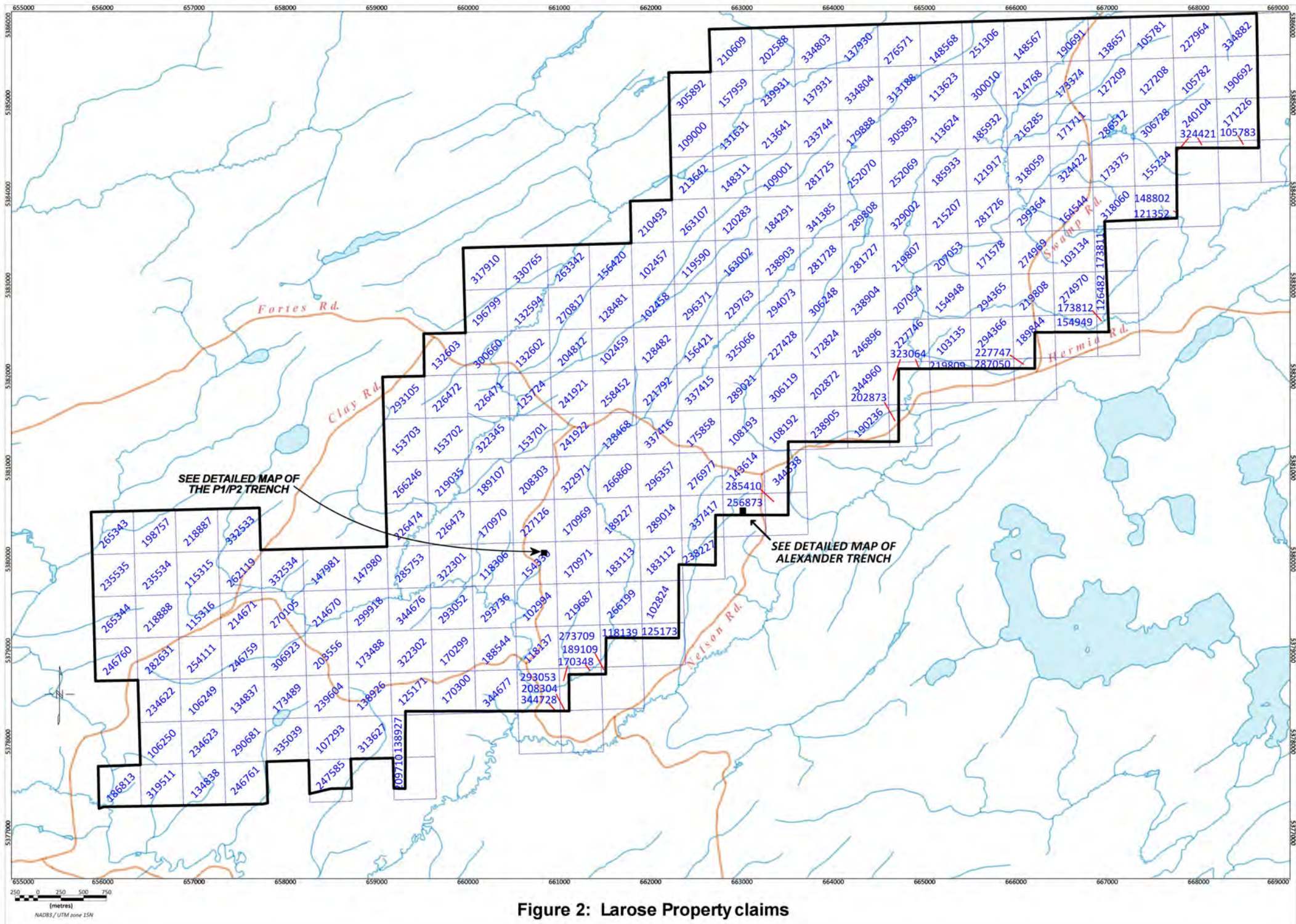


Figure 2: Larose Property claims

The property comprises 241 mining claims, of which 192 are single cell claims and 49 are boundary cell claims. Claim details are given in Appendix 2. The aggregate area of the property, as measured by the author, is approximately 4,724 hectares (11,668 acres). Figure 2 is a map showing the claims that make up the property.

Access to the property is by road. A network of forestry access roads created over several generations of logging makes all parts of the property accessible. The primary access routes are all-weather gravel roads and are shown on figure 2. The Swamp Road leaves the Trans-Canada Highway (Hwy. 11) at kilometre 1574.5, and leads to the northeastern corner of the Larose claims. The Fortes Road leaves Hwy. 11 at kilometre 1597.5 and leads to the western edge of the Larose claims. In addition to these major access routes, both properties are crossed by numerous gravel roads, in various states of disrepair and with various levels of alder and willow bush growth.

## **HISTORY AND PREVIOUS WORK**

The first recorded activity on the Larose property was the discovery of gold in a shear zone, now known as the Larose Shear, by Russell Kwiatkowski in 2003. Freewest Resources Inc optioned the property from Mr. Kwiatkowski and carried out several programs during the 2003-2005 period (Hawke, 2004; MacLean, 2005A, B, C; Marshall, 2004, Hubert, 2003):

- 30 diamond drill holes totaling 2,742 metres
- 26 trenches with channel sampling (results of channel samples have been lost)
- Cutting a 5700×1000 metre grid, covered by magnetic, IP, soil geochemical and geological surveys
- Prospecting and sample assaying
- Structural study of shearing by Teck-Cominco

Highlights of the drill program are 0.5 metre @ 29.11 g/t Au, 1.5 metres @ 4.88 g/t Au, 5.0 metres @ 2.28 g/t Au and 6.0 metres @ 1.08 g/t Au. Grab samples from trenches yielded several high assays, up to a high of 329.33 g/t Au. Freewest changed the focus of its activities to the “Ring of Fire” area in 2006 and did no follow-up work at Larose. After the company was taken over by Cliffs, the Larose property was briefly optioned by Cliffs to Viking Gold, who entered into a joint venture with Golden Share Mining. Golden Share completed the following work in 2011 (Courtois et al., 2011; Courtois, 2012; Lambert, 2011; Ravenelle, 2012):

- Cutting a 3700×2100 metre grid, with magnetic survey and geological mapping
- Further prospecting and sample assaying
- Structural study of shearing by SRK Consulting.

Russell Kwiatkowski regained control of the Larose claims in 2015 and optioned them to Tashota Resources Inc. Tashota has carried out a small diamond drilling program in 2016, with 5 holes under the P1 trench (Bowdidge, 2016b). A TDEM<sup>®</sup> airborne electromagnetic, magnetic and radiometric surveys was also carried out over both the Larose property and the adjacent Echo Ridge property in 2016 (Bowdidge, 2016a). In the spring and early summer of 2017, limited geological mapping was carried out by Katarina Bjorkman (Bowdidge & Bjorkman, 2017). Later in the summer of 2017, further mapping and prospecting by Alex Pleson discovered the Nelson and Alexander Shears. Stripping and sampling were carried out on a trench that is now referred to as the Alexander Trench (Bowdidge, 2018).



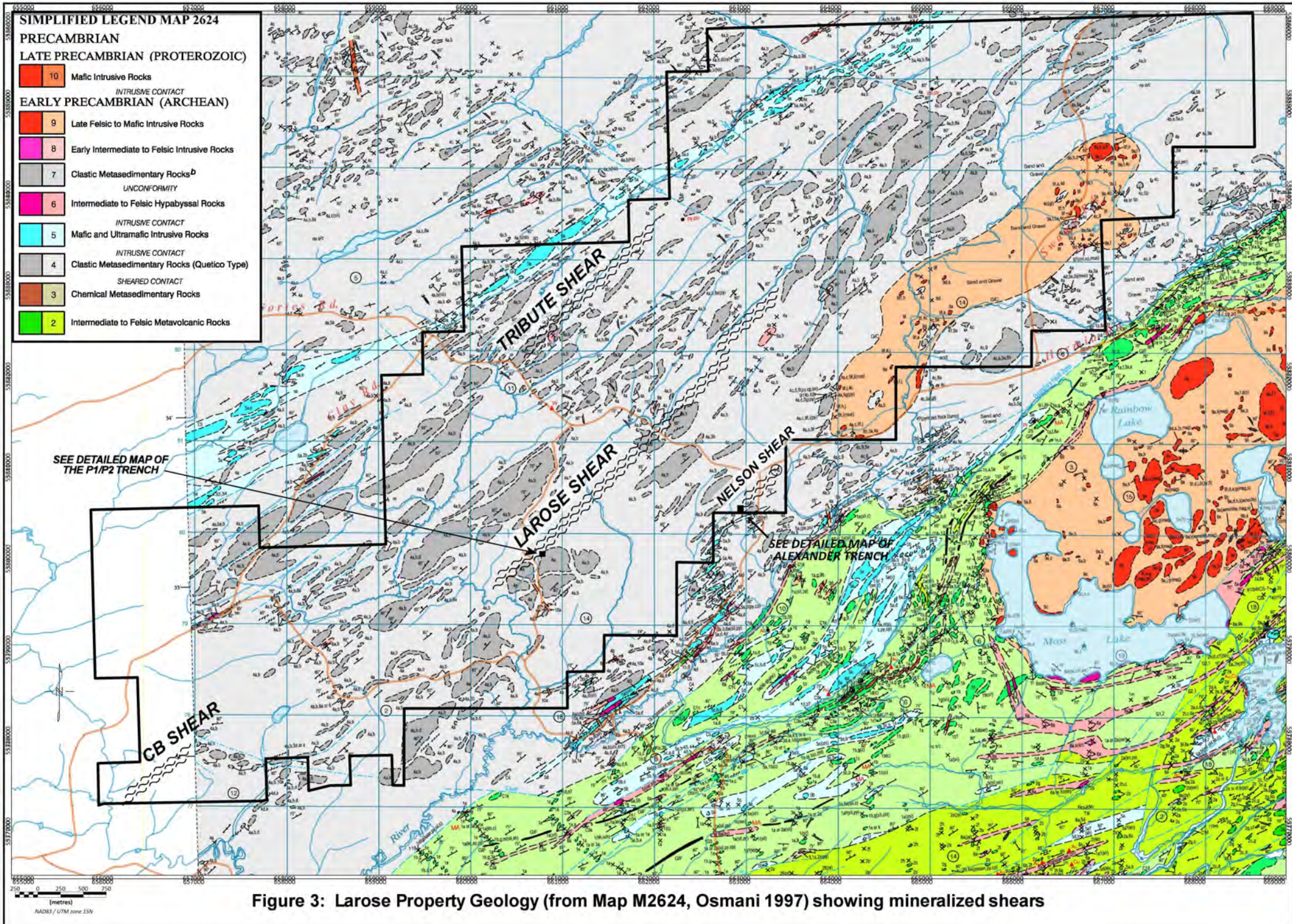


Figure 3: Larose Property Geology (from Map M2624, Osmani 1997) showing mineralized shears



## GEOLOGY

The Larose-Echo ridge property lies at the west end of the Shebandowan greenstone belt, within the Wawa-Abitibi Terrane, close to its boundary with the clastic metasediment-dominated Quetico Basins. These are tectono-stratigraphic subdivisions of the Superior province of the Canadian Shield, revised by Stott et al. (2010). Figure 3 shows the geology of the area, extracted from map M2624 of Osmani (1997). Understanding the geology is assisted by the results of an airborne magnetic-EM survey carried out in 1990-1991 for the OGS. The survey used the Aerodat system, The results were digitally reprocessed and reissued (OGS, 2003).

The property is mostly underlain by clastic metasediments. Although Stott et al. (2010) place these metasediments in the "Quetico Basins", the writer would class them as transitional between greywacke ("greenwacke") and interbedded argillites, more typical of greenstone-type terranes, and the continental-derived clastic metasediments that characterize the Quetico metasediments seen (for example) to the south of the Geraldton-Beardmore greenstone belt. The white mica and other aluminous minerals that are abundant in Quetico metasediments are sparsely distributed in the area of the property. Observations made by the writer in earlier years have also located a number of graphitic argillite bands expressed by airborne electromagnetic anomalies associated with the band of gabbro intrusions close to the northwest property boundary. Again, these are lithologies that are more typical of volcano-sedimentary greenstone belts than of the typical continentally-derived Quetico metasediments. The metasediments are intruded by a number of lenticular bodies of gabbro and/or diorite.

In the northeastern part of the property is the Obadinaw Syenite (OS), a 4.5-kilometre long intrusion of syenite and syenodiorite, up to 1 kilometre thick. It has an alkalic character ( $\text{Na}_2\text{O}$  up to 18.9% and  $\text{K}_2\text{O}$  up to 6.2%) and contains both leucocratic and melanocratic phases ( $\text{SiO}_2$  from 42% to 62%) It is characterized by unusually high apatite contents with up to 10%  $\text{P}_2\text{O}_5$  (Osmani, 1997). Mapping by Katarina Bjorkman located layered anorthosite at the northwest margin of the intrusion. The airborne magnetic survey (figure 5) shows that the OS is strongly magnetic in parts, with a well defined banding of more and less magnetic phases. The magnetic anomalies extend along strike to the northeast, and below(?) To the southeast of the OS. These magnetic anomalies have not been investigated yet.

Mapping by Osmani (1997) and Harris (1970) shows numerous small plugs and dykes of felsic intrusive rocks in the metasediments of the Larose property. Observations in drill core from the P1 trench also noted a dyke of an altered, very mafic rock provisionally identified as lamprophyre.

The area east of the Larose property is underlain by volcanic rocks, described as mafic to intermediate by Harris (1970), but intercalated mafic and felsic to intermediate by Osmani (1997). These are intruded by syenite and granodiorite bodies. A major fault called the Boundary Fault, separates the volcanics from the (presumed) overlying metasediments.

**Structure:** Gold mineralization on the Larose property is structurally controlled. The Larose Shear is host to most of the gold occurrences located by Freewest. The Larose Shear, as it is shown on figure 3, may be two separate shears arranged *en echelon* or one shear with displacement on an east-west fault. The Tribute Shear is host to two gold occurrences that yielded only low assay values. The CB Shear is exposed in a single stripped area at the extreme southwestern corner of the property. It has been conjectured that the CB Shear is a continuation of the Larose Shear, but the intervening ground is mostly overburden covered and outcrops are very scarce.

## **MINERALIZATION**

### **Larose Shear**

The Larose Shear and related shear zones, are examples of shear-hosted gold mineralization. Gold mineralization was located in almost every trench over a 4.5 kilometre length by Freewest Resources during the 2003-2004 stripping programs. Raw data of Freewest's channel sampling have been lost, but grab sample assay results are given in reports by MacLean (2005A, 2005B). These include gold values up to 329.33 g/t Au in grab samples from the P1 trench.

The Larose shear comprises a whole series of shears in greywacke-type metasediments with minor argillite. Shearing without substantial alteration typically carry less than 1% of pyrrhotite and return gold values in the range of nil to 1 g/t Au. More localized shears, associated with sericite alteration and silicification as well as multiple generations of quartz seams and stringers, often carry 1-3% of pyrite, sphalerite, galena, chalcopyrite and arsenopyrite. Multi-ounce gold assays are common in these zones, typically across widths of up to 1 metre.

A map produced by Golden Share in their report (Courtois et al., 2011) shows results of channel sampling carried out by the company on the P1 and Larose trenches. The very high channel sample results at the P1 trench are from a sericitic and silicified shear that was exposed for a short length on the northwest side of the trench. Additional stripping in 2016 exposed similar mineralization in a northerly extension of the P1 trench.

Tashota Resources Inc carried out a 5-hole, 240-metre diamond drilling program in the summer of 2016 at the P1 trench. During that work, a differential GPS was used to precisely map the Freewest channel samples, and it was possible to tie them to gold assays shown on a Freewest map that had survived the corporate changes. Assay results from the drilling include 27.69 g/t Au in LR16-01, 19.73 g/t Au in LR16-02 and 37.34 g/t Au in LR16-03, all over core lengths of 50 centimetres.

### **Nelson-Alexander Shears**

Figure 4 is a plan of the Alexander Trench, from the assessment report by Bowdidge (2018). The sheared metasediments in the central part of the Alexander Trench are very similar to those seen in other trenches and mineralized zones on the Larose property. In the across-strike arm of the trench there is a narrow band of what is probably an intermediate volcanic, and there are three separate areas underlain by quartz-feldspar porphyry with variable grain size and variable density of phenocrysts. Mineralization consists of quartz stringers and bands and lenses of sulphides (pyrite, sphalerite and galena) in sheared greywacke-type metasediments. Gold assays of grab samples range up to 50.90g/t, with up to 184 g/t silver. Lead, zinc and arsenic are also variably anomalous.

## **2019 DIAMOND DRILLING**

Diamond drill holes LR19-01 to 19-03 were all drilled at an inclination of -45° in a fan under the Alexander trench. Holes LR19-04 to 19-08 were drilled under the P2 Trench, which is a northeasterly extension of the P1 Trench that was drilled in 2016. The trenches and drill collars were surveyed by the author with a differential GPS. Core was logged by the author, with some logging by Gerry White, Rodney Barber and Roland Landry (as indicate on the logs in Appendix 1. Core cutting was carried out at Sapawe Corner Motel & Diner. Samples were sent to ActLabs in Thunder Bay for gold assaying by fire assay and multiple element ICP analysis after 4-acid (near-total) digestion. Almost all core

was cut and sampled, a consequence of the lack of visual distinction for many gold-bearing occurrences on the Larose property. The drilling was performed by Custom Diamond Drilling (Wally Magnussen) of Kaministiquia, Ontario.

The following table lists the basic statistics of the 2019 drill holes.

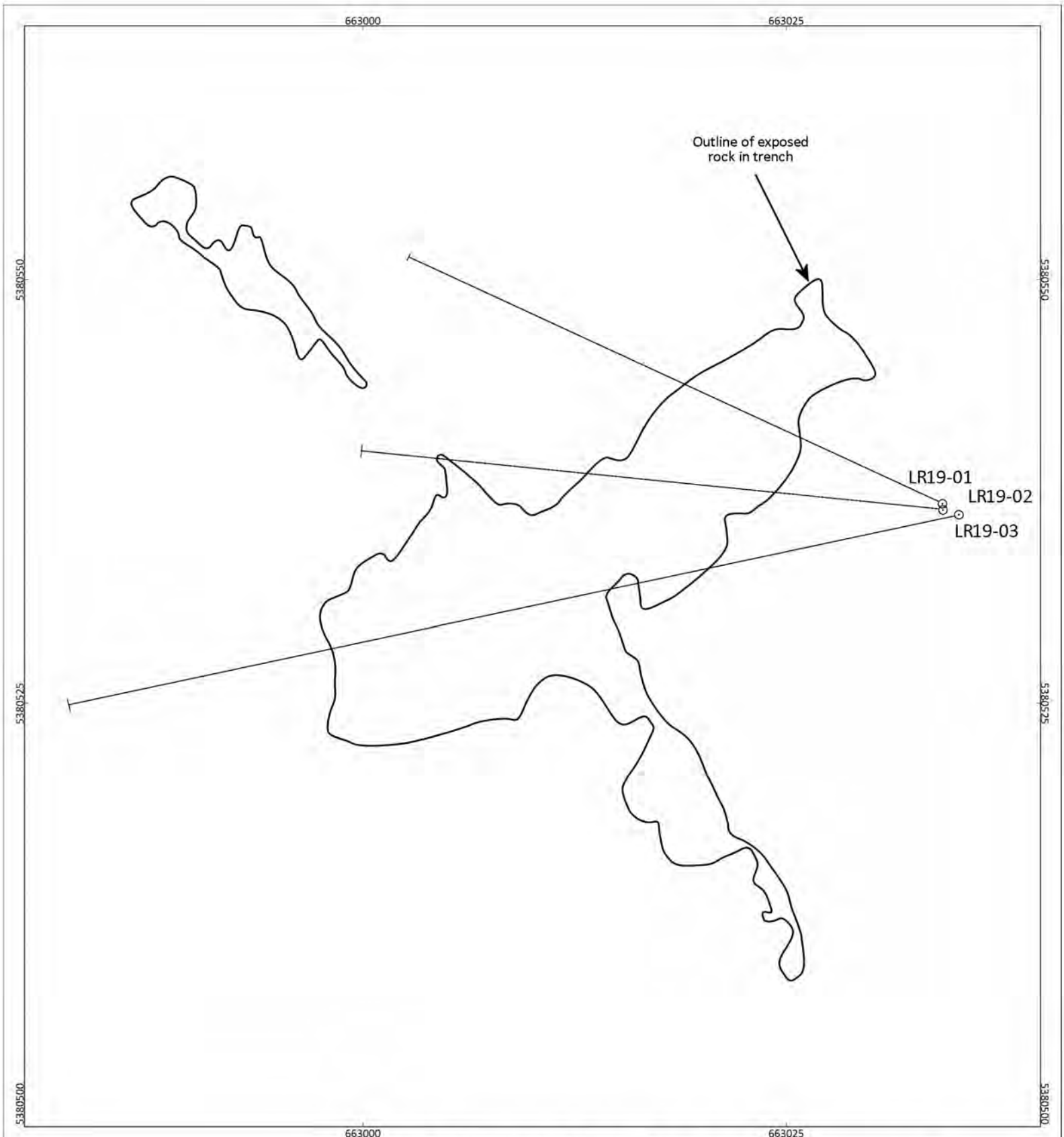
LAROSE PROJECT 2019 DIAMOND DRILL HOLE SUMMARY TABLE							
Target Area	Hole_ID	UTM Zone 16N NAD83		Elevation (NTv_2)	Azimuth (to UTM grid)	Inclination	Total Depth
		Easting	Northing				
Alex Trench	LR19-01	663034.20	5380536.76	449.62	294.5°	-45°	49.07
Alex Trench	LR19-02	663034.24	5380536.39	449.65	276°	-45°	49.07
Alex Trench	LR19-03	663035.18	5380536.11	450.03	258°	-45°	76.50
P1/P2 trench	LR19-04	660850.90	5380078.12	438.11	310°	-45°	75.02
P1/P2 trench	LR19-05	660826.27	5380098.91	436.31	133°	-45°	55.47
P1/P2 trench	LR19-06	660826.27	5380098.91	436.91	133°	-65°	55.78
P1/P2 trench	LR19-07	660826.27	5380098.91	437.51	100°	-45°	45.44
P1/P2 trench	LR19-08	660826.27	5380098.91	438.11	084°	-45°	95.10

Figure 4 is a plan of the Alexander Trench with drill holes. The trench outline and hole locations were surveyed with differential GPS. Figures 5 to 7 are cross sections of drill holes LR19-01, -02 and -03. Figure 8 is a plan of the P1/P2 Trench (P2 is the name given to the northeasterly extension of the P1 Trench, and particularly the deep, water-filled hole from which a number of samples with high gold contents were retrieved in 2017. Figure 9 is a cross section of drill hole LR19-04, -05 and -06, which were all drilled on the same section plane. Figures 10 and 11 are cross sections of drill holes LR19-07 and -08.

Appendix 1 gives drill logs including analytical data for gold as well as silver, arsenic, copper, lead and zinc, which have been shown to be associated with gold mineralization in previous drilling. Appendix 3 gives certificates of analysis for the fire assay and ICP analyses.

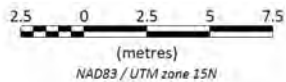
**Drill Results:** The metasediments are cut by narrow dykes of white feldspar porphyry grey feldspar porphyry with phenocrysts presumed to be amphibole after clinopyroxene, a leucocratic felsite, dark, biotite-rich quartz porphyry and an inferred lamprophyre. Mineralization consists of narrow quartz stringers that pre-date at least part of the deformation because they are folded and offset by slips along foliation planes. Some of these quartz stringers contain disseminated pyrite. Quartz stringers carrying reddish-brown sphalerite ± galena ± chalcopyrite tend to carry the highest gold concentrations. Mineralization consisting of 1% to 2% (locally up to 5%) disseminated, blebby and streaky pyrite or pyrrhotite is present over longer intervals, and tends to be associated with weakly anomalous to anomalous gold values.

Hole_ID	From	To	Length	Au g/t
LR19-01	9.00	10.00	1.00	0.552
LR19-02	23.40	24.90	1.50	2.170
includes	23.40	23.90	0.50	4.010
and	31.70	32.20	0.50	1.760
LR19-03	29.50	30.50	1.00	0.720
LR19-04	15.30	15.80	0.50	69.600
and	51.80	55.80	4.00	2.313
LR19-05	18.20	18.70	0.50	5.810
LR19-06	26.20	27.10	0.90	1.260
LR19-07	18.20	18.52	0.32	0.968
LR19-08	19.10	19.65	0.55	1.060
and	32.10	32.50	0.40	2.830



**TASHOTA RESOURCES INC.**  
LAROSE PROPERTY  
MOSS TOWNSHIP, ONTARIO  
ALEXANDER TRENCH PLAN  
DIAMOND DRILL PLAN

**FIGURE 4**



450

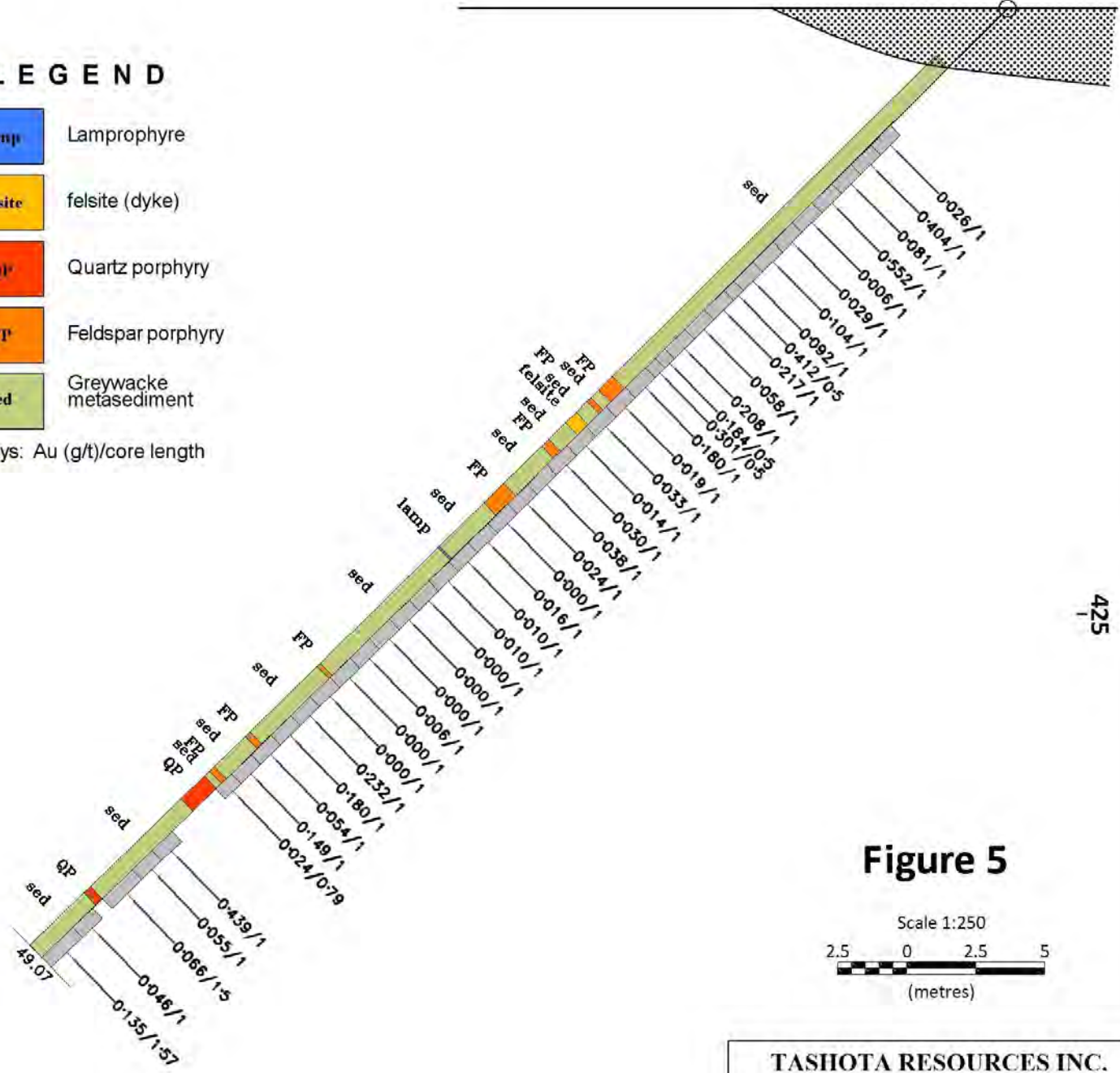
450

ELEVATION (METRES RL)

**LEGEND**

- lampr  
Lamprophyre
- felsite  
felsite (dyke)
- QP  
Quartz porphyry
- FP  
Feldspar porphyry
- sed  
Greywacke metasediment

Assays: Au (g/t)/core length



**Figure 5**

**TASHOTA RESOURCES INC.**

**LAROSE PROJECT**

*MOSS TOWNSHIP*

**NORTHWESTERN ONTARIO**

**ALEXANDER TRENCH**

**CROSS SECTION**

**DIAMOND DRILL HOLE LR19-01**

*Bowdidge*

2019



450

450

ELEVATION (METRES RL)

### LEGEND

- lamp Lamprophyre
- felsite felsite (dyke)
- QP Quartz porphyry
- FP Feldspar porphyry
- sed Greywacke metasediment

Assays: Au (g/t)/core length

276° az

LR19-02

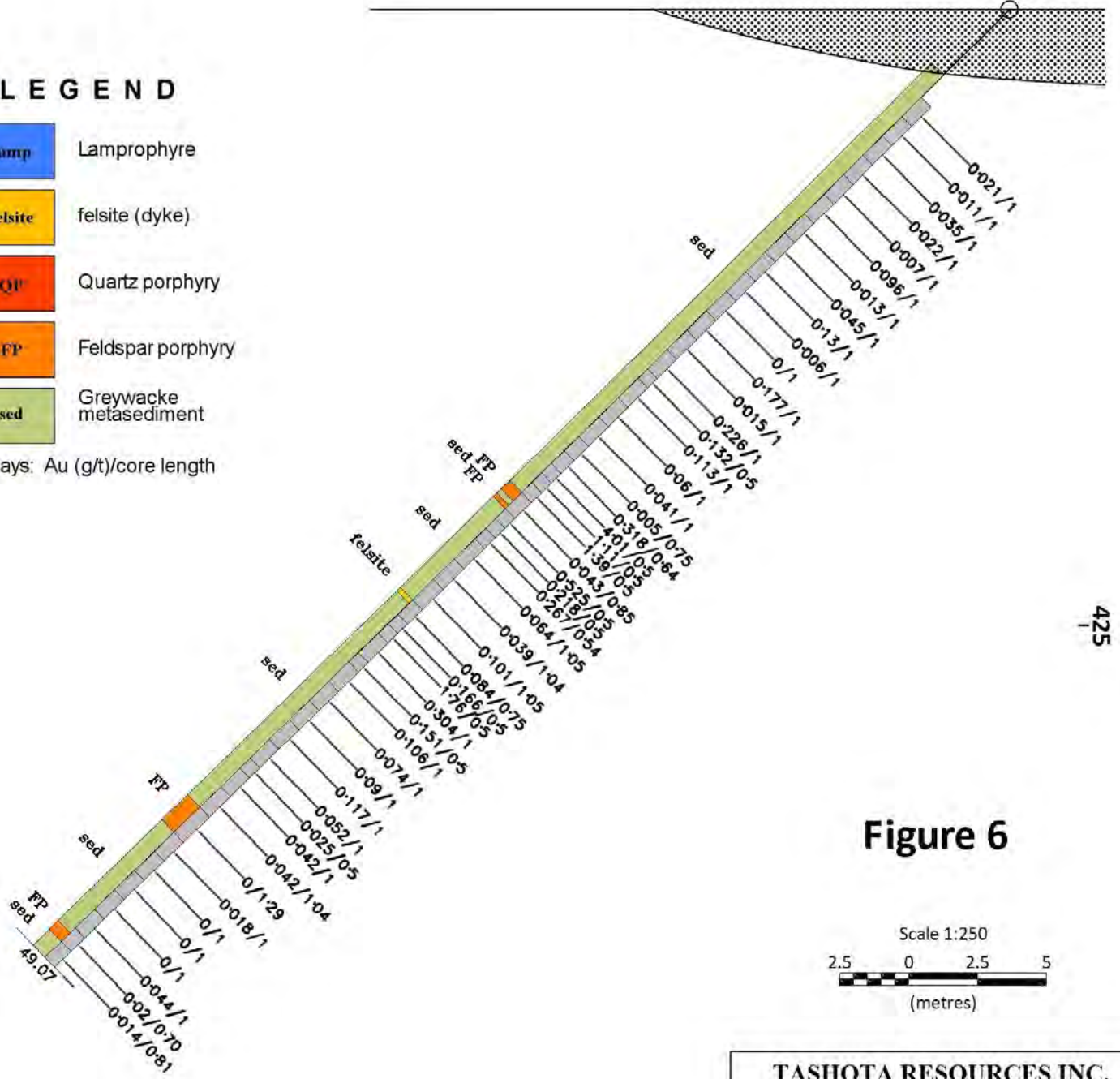
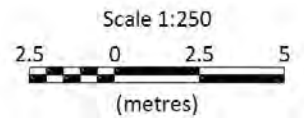


Figure 6

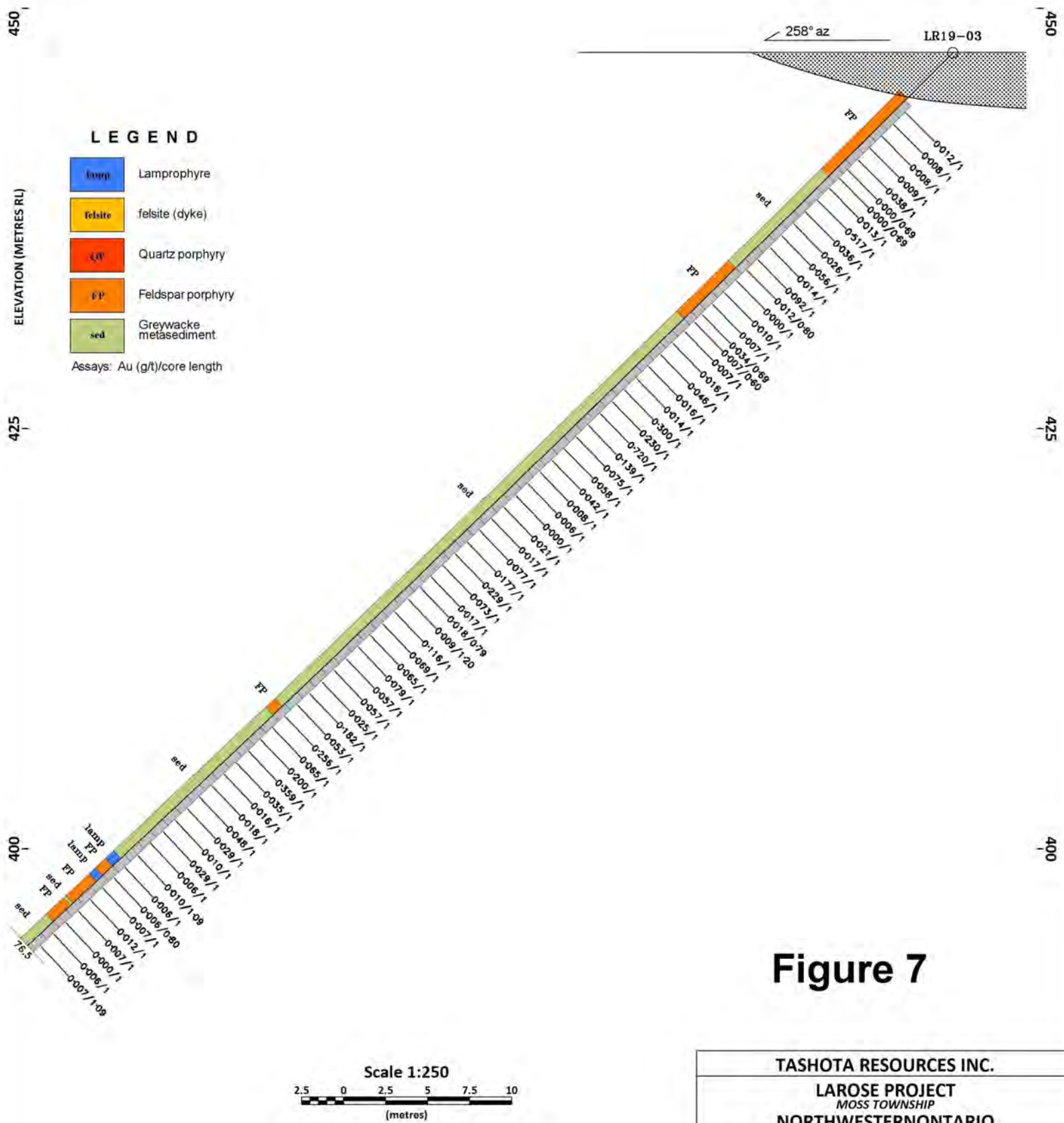


**TASHOTA RESOURCES INC.**

**LAROSE PROJECT**  
MOSS TOWNSHIP  
NORTHWESTERN ONTARIO

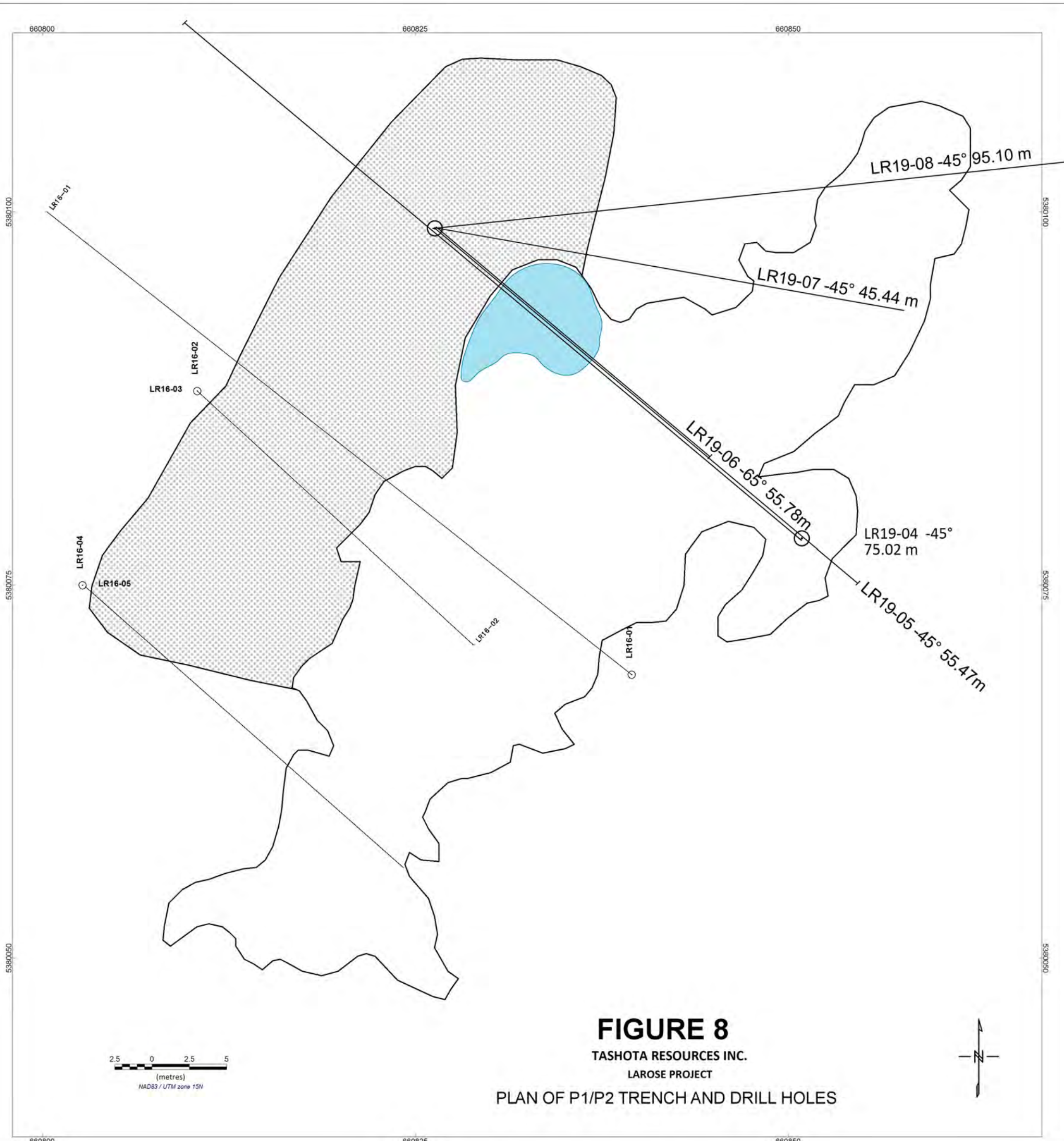
**ALEXANDER TRENCH**  
CROSS SECTION  
DIAMOND DRILL HOLE LR19-02

*Bowdidge* 2019



**Figure 7**

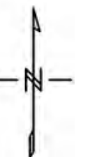
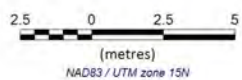
<b>TASHOTA RESOURCES INC.</b>
<b>LAROSE PROJECT</b> <i>MOSS TOWNSHIP</i>
<b>NORTHWESTERN ONTARIO</b>
<b>ALEXANDER TRENCH</b> <b>CROSS SECTION</b> <b>DIAMOND DRILL HOLE LR19-03</b>
<i>Bowdidge</i> 2019



### FIGURE 8

TASHOTA RESOURCES INC.  
LAROSE PROJECT

PLAN OF P1/P2 TRENCH AND DRILL HOLES





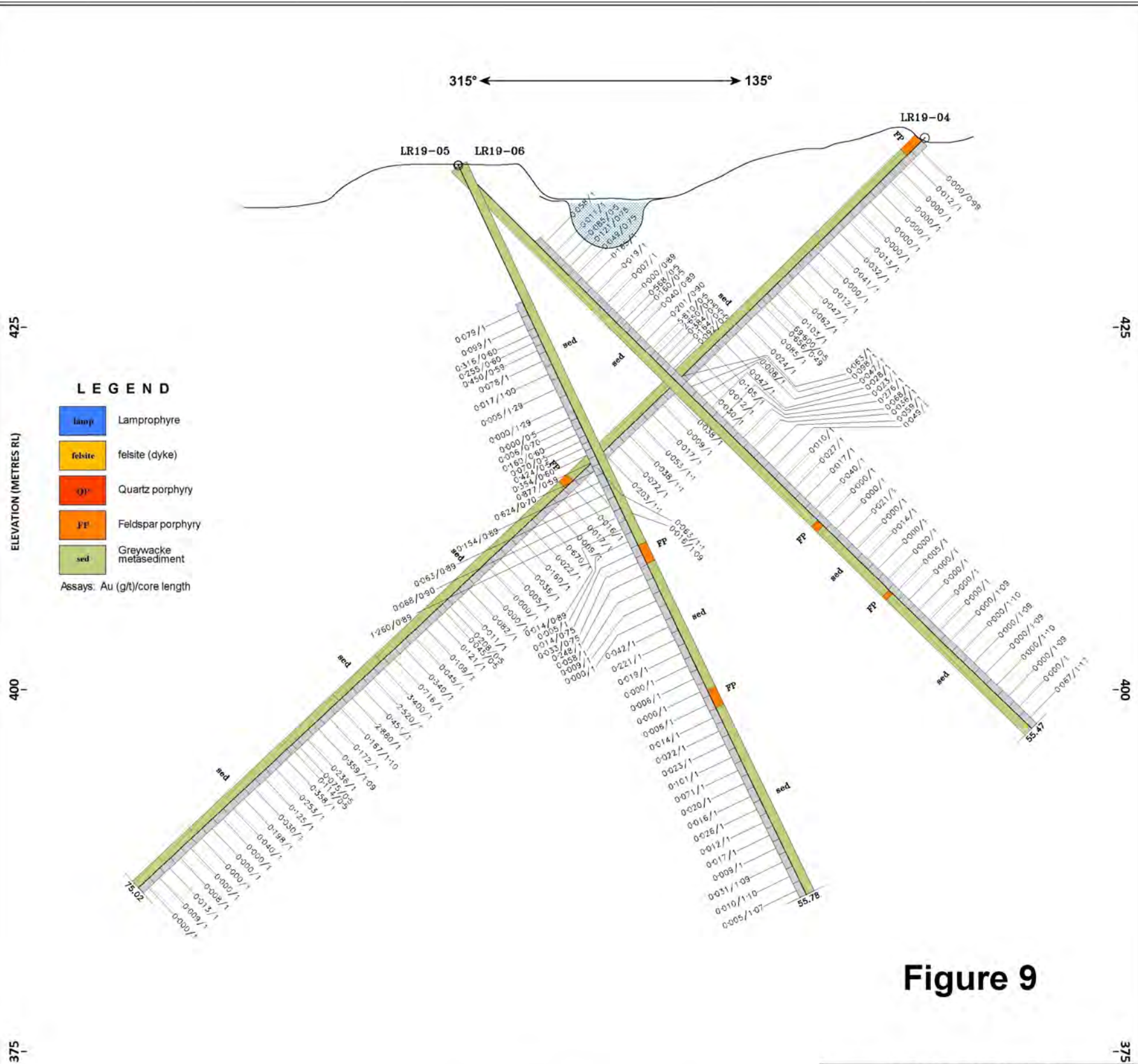
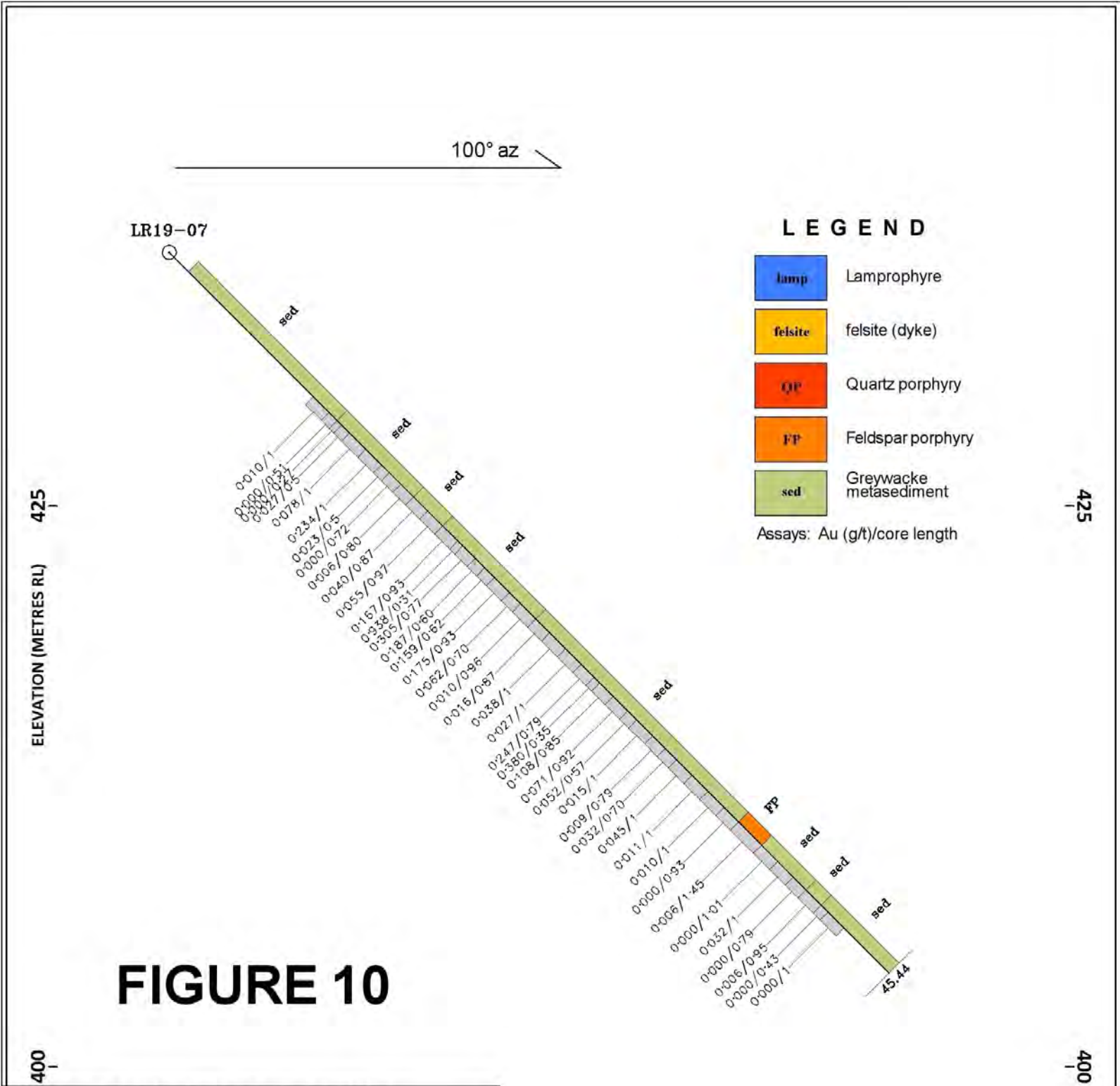


Figure 9

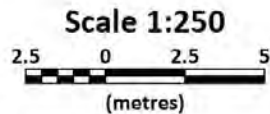
TASHOTA RESOURCES INC.	
LAROSE PROPERTY MOSS TOWNSHIP	
NORTHWESTERN ONTARIO	
P1-P2 TRENCH AREA 2019 DIAMOND DRILLING CROSS SECTION	
DDHs LR19-04, 19-05, 19-06	
Bowdidge	2019



# FIGURE 10

**TASHOTA RESOURCES INC.**  
**LAROSE PROPERTY**  
 MOSS TOWNSHIP  
**NORTHWESTERN ONTARIO**  
**P1-P2 TRENCH AREA**  
**2019 DIAMOND DRILLING**  
**CROSS SECTION**  
**DDHs LR19-07**

Bowdidge 2019



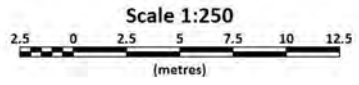


**LEGEND**

- lamp Lamprophyre
- felsite felsite (dyke)
- QP Quartz porphyry
- FP Feldspar porphyry
- sed Greywacke metasediment

Assays: Au (g/t)/core length

**TASHOTA RESOURCES INC.**  
**LAROSE PROPERTY**  
 MOSS TOWNSHIP  
**NORTHWESTERN ONTARIO**  
**P1-P2 TRENCH AREA**  
**2019 DIAMOND DRILLING**  
**CROSS SECTION**  
**DDHs LR19-08**  
 Bowdidge 2019



The drill results from the Alexander Trench (drill holes LR19-01, -02 and -03) did not yield multi-ounce gold assays similar to those found in grab samples on surface. The best result being the 1.5 metres of 2.17 g/t Au including 0.5 metres of 4.010 g/t Au in LR19-02.

The drill results from the P1/P2 Trench (drill holes LR19-04 to 19-08) show a similarity to those from previous drilling, i.e. occasional very high gold values over widths of less than 1 metre, and lower gold values over a metre or more, both with erratic distribution and little apparent continuity. The results from LR19-04 typify this pattern, with 0.50 metres of 69.60 g/t Au, and 4 metres of 2.313 g/t Au.

## **CONCLUSIONS AND RECOMMENDATIONS**

Results from the 2019 Larose drill program are consistent with previously reported results from the Larose shear-hosted mineralization. Locally high grades of gold are found over narrow widths, with occasional wider zones of lower grade gold.

Future exploration on the property should focus on searching for larger-scale structures that might be expected to be the focus of more intense and more consistent gold mineralization. Very detailed magnetic surveying using UAV-mounted magnetometers should be considered, as well as more mapping and prospecting on the ground.

The potential of the Obadinaw syenite should also not be overlooked.

Respectfully submitted



Colin Bowdidge, Ph.D., P. Geo.

December 2019



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**APPENDIX 1**  
**DRILL LOGS**

<b>TASHOTA RESOURCES INC. LAROSE GOLD PROJECT DIAMOND DRILL LOG</b>	<b>Hole No:</b>
	<b>LR19-01</b>

<b>Hole No.</b>	LR19-01
<b>Dip</b>	-45°
<b>Depth</b>	49.07 metres
<b>Azimuth (local)</b>	
<b>Azimuth (true)</b>	294.5° (relative to UTM grid)
<b>Collar coordinates (local)</b>	
<b>Collar coordinates (UTM)</b>	663034.20E 5380536.76N 449.62 NTv_2
<b>UTM datum &amp; zone</b>	NAD83 ZONE 15
<b>Date started</b>	2019-06-18
<b>Date finished</b>	2019-06-28
<b>Drilled By</b>	Custom Diamond Drilling
<b>Core Size</b>	BQTK
<b>Casing Left In</b>	No
<b>Logged By</b>	Colin Bowdidge 2019-06-30
<b>Comments:</b>	Drill hole cut metasediments with multiple dykes of different compositions, and minor sulphide mineralization. Best gold assay 0.552 g/t over 0.50 metres.

<b>Dip Tests</b>
49.07 m     -44°

From	To	Description	Sample	From	To	Length	Au g/T	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm
0.00	3.05	Casing											
3.05	19.55	<b>Metasediment:</b> Alternation of coarser-grained (up to 2 mm grains) more massive wacke and fine-grained to aphanitic, thinly bedded to laminated, somewhat schistose meta-argillite. Medium to light grey. Typically has 2% to 5% of calcite. Bedding is at 30-40° to CA. This sequence could be turbidites. 9.90-10.30: Coarsest grained section. (Lithic?) grains up to 2 mm 16.60-16.80: Coarse-grained, weakly magnetic, unfoliated, could be a dyke											
			A0935101	6.00	7.00	1.00	0.026		0.24	< 0.1	47	30	101
			A0935102	7.00	8.00	1.00	0.404		0.57	1.3	65	66	142
			A0935103	8.00	9.00	1.00	0.081		0.16	1.9	41	17	95
			A0935104	9.00	10.00	1.00	0.552		0.20	3.3	60	12	75
			A0935105	10.00	11.00	1.00	0.006		0.20	6.5	43	19	117
		Mineralization:	A0935106	11.00	12.00	1.00	0.029		0.17	0.8	37	14	75
		6.00-14.10: ±1% pyrite, well disseminated	A0935107	12.00	13.00	1.00	0.104		0.28	2.1	47	33	104
		14.10-14.50: 3-5% diss. py, qtz veinlets with heavy py, cpy, sphal, gal	A0935108	13.00	14.00	1.00	0.092		0.40	1.2	65	52	205
		14.50-19.55: ±2% pyrite ± pyrrhotite	A0935109	14.00	14.50	0.50	0.412		1.04	0.7	75	267	988
			A0935110	14.50	15.50	1.00	0.217	0.224	0.37	0.4	55	71	223
			A0935111	15.50	16.50	1.00	0.058		0.22	0.1	50	17	163
		18.27-18.32: Qtz vein, conformable to bedding, clusters of pyrite, esp. at contacts	A0935112	16.50	17.50	1.00	0.208		0.29	< 0.1	38	20	121
			A0935113	17.50	18.00	0.50	0.184		0.47	1.6	49	15	76
			A0935114	18.00	18.50	0.50	0.301		1.09	2.1	47	71	128
			A0935115	18.50	19.50	1.00	0.180		0.29	1.0	47	15	82
19.55	20.25	<b>Feldspar Porphyry:</b> Massive, medium-grained, phenocrysts up to 5 mm are pseudomorphed by fine-grained aggregates of feldspar and amphibole (?)	A0935116	19.50	20.50	1.00	0.019		0.39	< 0.1	12	34	123
20.25	20.65	<b>Metasediment:</b> As above											
20.65	20.85	<b>Feldspar Porphyry:</b> As above	A0935117	20.50	21.50	1.00	0.033		0.14	< 0.1	26	17	89
20.85	21.40	<b>Metasediment:</b> As above											
21.40	21.95	<b>Felsite:</b> Aphyric, medium grey, fine-medium grained, felsic-intermediate composition	A0935118	21.50	22.50	1.00	0.014		0.20	< 0.1	42	19	109
21.95	22.80	<b>Metasediment:</b> As above	A0935119	22.50	23.50	1.00	0.030		0.34	2.9	31	17	79
22.80	23.15	<b>Feldspar Porphyry:</b> As above	A0935120	23.50	24.50	1.00	0.038		0.20	4.3	55	8	64
23.15	25.10	<b>Metasediment:</b> As above, brecciation 24.00-24.30, very little mineralization	A0935121	24.50	25.50	1.00	0.024		0.32	< 0.1	69	13	76
25.10	26.10	<b>Feldspar Porphyry:</b> lower contact irregular, upper contact sharp at 85° to CA 25.10-25.80: medium grey, fine-grained, weakly magnetic 25.80-26.10: white, massive	A0935122	25.50	26.50	1.00	<0.005	0.005	0.12	< 0.1	12	19	105
26.10	39.75	<b>Metasediment:</b> As above, core angle changes progressively to 40° down this section. Very little sulphide mineralization. 28.35-28.42: Lamprophyre (?) dyke, biotite-rich, contacts at 55° to CA, discordant to bedding	A0935123	26.50	27.50	1.00	0.016		0.31	1.7	55	11	77
			A0935124	27.50	28.50	1.00	0.010		0.27	2.6	65	9	59
			A0935125	28.50	29.50	1.00	0.010		0.23	2.3	54	11	85
			A0935126	29.50	30.50	1.00	<0.005		0.16	1.6	39	12	64
			A0935127	30.50	31.50	1.00	<0.005		0.25	0.8	38	10	77
			A0935128	31.50	32.50	1.00	<0.005	<0.005	0.17	0.5	47	12	66
			A0935129	32.50	33.50	1.00	0.006		0.26	0.4	39	10	65



<b>TASHOTA RESOURCES INC. LAROSE GOLD PROJECT DIAMOND DRILL LOG</b>	<b>Hole No:</b>
	LR19-02

<b>Hole No.</b>	LR19-02
<b>Dip</b>	-45°
<b>Depth</b>	49.07 metres
<b>Azimuth (local)</b>	
<b>Azimuth (true)</b>	276° (relative to UTM grid)
<b>Collar coordinates (local)</b>	
<b>Collar coordinates (UTM)</b>	663034.24E 5380536.39N 449.65 NTV_2
<b>UTM datum &amp; zone</b>	NAD83 ZONE 15
<b>Date started</b>	2019-07-02
<b>Date finished</b>	2019-07-09
<b>Drilled By</b>	Custom Diamond Drilling
<b>Core Size</b>	BQTK
<b>Casing Left In</b>	No
<b>Logged By</b>	Colin Bowdidge 2019-07-10
<b>Comments:</b>	<p>Drill hole cut metasediments with multiple dykes of different compositions, and minor sulphide mineralization and quartz veining. Best gold assay 4.010 g/t over 0.50 metres with 8.30 ppm Ag, 230 ppm Cu, 2080 ppm Pb and 6240 ppm Zn on a section including quartz veinlets with pyrite, chalcopyrite, galena and sphalerite.</p>

<b>Dip Tests</b>
49.07 m      -44°



From	To	Description	Sample	From	To	Length	Au g/T	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm	
30.65	41.25	<b>Metasediments:</b> As above, 1% pyrite throughout, a few early quartz-pyrite veinlets  33.50-33.70: lamprophyre dyke (?) , biotite-rich, schistose, 5% coarse pyrite  38.90-39.20: abundant quartz-pyrite veinlets  40.50-41.25: 2% disseminated pyrite, several quartz-pyrite veinlets	A0935173	30.45	31.20	0.75	0.084		0.3	0.8	29	19	99	
			A0935174	31.20	31.70	0.50	0.166		0.5	2.6	62	66	94	
			A0935175	31.70	32.20	0.50	1.760		9.8	9.2	51	147	222	
			A0935176	32.20	33.20	1.00	0.304		0.2	5.5	27	12	61	
			A0935177	33.20	33.70	0.50	0.151		0.2	2.9	38	9	63	
			A0935178	33.70	34.70	1.00	0.106		0.2	2.1	41	8	57	
			A0935179	34.70	35.70	1.00	0.074		0.2	2.9	36	6	47	
			A0935180	35.70	36.70	1.00	0.090		0.2	< 0.1	36	10	56	
			A0935181	36.70	37.70	1.00	0.111	0.122	0.2	2.1	46	8	52	
			A0935182	37.70	38.70	1.00	0.052		0.1	0.2	34	7	51	
			A0935183	38.70	39.20	0.50	0.025		0.1	< 0.1	41	7	64	
			A0935184	39.20	40.20	1.00	0.042		0.1	< 0.1	32	6	48	
			A0935185	40.20	41.25	1.05	0.042		0.2	< 0.1	31	12	76	
41.25	42.55		<b>Feldspar Porphyry:</b> msv, med-grained, magnetic, degraded phenos of fsp & pyroxene	A0935186	41.25	42.55	1.30	<0.005	<0.005	0.1	< 0.1	8	18	81
42.55	47.80		<b>Metasediments:</b> As above, a few very thin quartz veinlets, <1% pyrite	A0935187	42.55	43.55	1.00	0.018		0.2	0.2	56	13	79
		A0935188		43.55	44.55	1.00	<0.005		0.2	< 0.1	49	14	69	
		A0935189		44.55	45.55	1.00	<0.005		0.2	< 0.1	43	14	96	
		A0935190		45.55	46.55	1.00	<0.005		0.2	< 0.1	43	14	69	
		A0935191		46.55	47.55	1.00	0.045	0.043	0.2	< 0.1	55	14	71	
47.80	48.25	<b>Feldspar Porphyry:</b> As above, contacts are at 30° to foliation which is 25° to CA	A0935192	47.55	48.25	0.70	0.020		0.3	< 0.1	48	19	115	
48.25	49.07	<b>Metasediments:</b> As above	A0935193	48.25	49.07	0.82	0.014		0.2	< 0.1	58	12	93	

49.07 - End of Hole



<b>TASHOTA RESOURCES INC. LAROSE GOLD PROJECT DIAMOND DRILL LOG</b>	<b>Hole No:</b>
	LR19-03

<b>Hole No.</b>	LR19-03
<b>Dip</b>	-45°
<b>Depth</b>	76.50 metres
<b>Azimuth (local)</b>	
<b>Azimuth (true)</b>	258° (relative to UTM grid)
<b>Collar coordinates (local)</b>	
<b>Collar coordinates (UTM)</b>	663035.18E 5380536.11N 450.03 NTv_2
<b>UTM datum &amp; zone</b>	NAD83 ZONE 15
<b>Date started</b>	2019-07-11
<b>Date finished</b>	2019-07-22
<b>Drilled By</b>	Custom Diamond Drilling
<b>Core Size</b>	BQTK
<b>Casing Left In</b>	No
<b>Logged By</b>	Gerry White 2019-07-24 & Colin Bowdidge 2019-08-05
<b>Comments:</b>	<p>Drill hole cut metasediments with multiple dykes of different compositions, and minor sulphide mineralization and quartz veining. Best gold assay to date (up to 46.3 m) is 0.720 g/t over 1.00 metre.</p>

<b>Dip Tests</b>
76.50 m      -45°

From	To	Description	Sample	From	To	Length	Au g/t	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm
0.00	3.85	<b>Casing</b>											
3.85	10.40	<b>Feldspar Porphyry:</b> Massive, crowded FP with phenos avg. 1 to 3 mm containing 1 to 2% disseminations and patches of anhedral fine Py. Throughout wisps and fragments of metasediments up to 2 cm (avg .5 to 1 cm) generally oriented along foliation - 45° to 50° to CA.  9.00 & 9.55: Qtz veins (up to 1 cm) and veinlets (1 to 2 mm) 8.20 - 10.4: More altered and silicified with feldspar phenos 'absorbed' into finer-grained texture.	A0935194	4.00	5.00	1.00	0.012		0.1	1.3	6	7	57
			A0935195	5.00	6.00	1.00	0.008		0.2	< 0.1	4	8	54
			A0935196	6.00	7.00	1.00	0.008		0.2	< 0.1	4	10	67
			A0935197	7.00	8.00	1.00	0.009		0.2	< 0.1	5	10	49
			A0935198	8.00	9.00	1.00	0.038		0.2	< 0.1	6	7	52
			A0935199	9.00	9.70	0.70	<0.005		0.2	< 0.1	5	8	53
			A0935200	9.70	10.40	0.70	<0.005		0.3	< 0.1	14	18	53
10.40	18.20	<b>Metasediments:</b> Dark grey fn-grained sandy to very fn-grained / aphanitic, finely 'banded' meta-argillite. Steep foliation 60 to 80° CA. 10.4 - 11.1: Brecciated, mix of metasediments and FP 10.6: Qtz veinlets, silicification and possible epidote alteration 11.8 - 12.4: mix of metaseds and FP / seams of massive Py and minor sphalerite? up to 1 cm	A0935201	10.40	11.40	1.00	0.013		0.1	< 0.1	38	23	106
			A0935202	11.40	12.40	1.00	0.517		0.6	< 0.1	140	22	509
			A0935203	12.40	13.40	1.00	0.038	0.034	0.2	< 0.1	46	20	125
			A0935204	13.40	14.40	1.00	0.026		0.3	< 0.1	77	15	78
			A0935205	14.40	15.40	1.00	0.056		0.1	< 0.1	42	10	61
			A0935206	15.40	16.40	1.00	0.014		0.2	< 0.1	73	11	61
			A0935207	16.40	17.40	1.00	0.092		0.2	< 0.1	53	10	53
			A0935208	17.40	18.20	0.80	0.012		0.4	< 0.1	54	11	60
18.20	22.50	<b>Feldspar Porphyry:</b> Fine to med. - grained / sericite alt. noted. Section contains wisps and folded fragments of metasediments generally oriented along foliation direction / foliation 45° to 50° to CA.	A0935209	18.20	19.20	1.00	<0.005	<0.005	0.2	< 0.1	27	9	53
			A0935210	19.20	20.20	1.00	0.010		0.4	2.4	23	11	57
			A0935211	20.20	21.20	1.00	0.007		0.4	0.8	88	11	49
			A0935212	21.20	21.90	0.70	0.034		0.5	< 0.1	106	20	75
			A0935213	21.90	22.50	0.60	0.007	0.006	0.5	0.6	102	21	56
22.50	55.70	<b>Metasediments:</b> Same as above. Bedding / foliation 45° CA.  32.2 - 32.5: Grey bleached silicified section  34.3 - 34.65: lamprophyre dike?, biotite rich  38.05 - 38.5: Grey bleached mod. to strongly silicified with later qtz vein sets and qtz breccia veins / contains 1 to 2% dissem. Py and Py along seams and fractures	A0935214	22.50	23.50	1.00	0.007		0.3	1.3	58	62	137
			A0935215	23.50	24.50	1.00	0.016		0.2	< 0.1	44	14	84
			A0935216	24.50	25.50	1.00	0.046		0.2	< 0.1	39	15	78
			A0935217	25.50	26.50	1.00	0.016		0.2	< 0.1	46	19	82
			A0935218	26.50	27.50	1.00	0.014		0.3	< 0.1	59	58	157
			A0935219	27.50	28.50	1.00	0.300		0.3	< 0.1	63	35	186
			A0935220	28.50	29.50	1.00	0.230		0.3	< 0.1	53	44	264
			A0935221	29.50	30.50	1.00	0.720		0.3	0.2	54	63	166
			A0935222	30.50	31.50	1.00	0.139		0.1	6.6	35	14	70
			A0935223	31.50	32.50	1.00	0.072	0.077	0.2	< 0.1	27	16	93
			A0935224	32.50	33.50	1.00	0.058		0.3	< 0.1	34	17	113
			A0935225	33.50	34.50	1.00	0.042		0.5	< 0.1	42	34	125
			A0935226	34.50	35.50	1.00	0.008		0.3	< 0.1	37	22	66
			A0935227	35.50	36.50	1.00	0.006		0.2	< 0.1	27	32	94
			A0935228	36.50	37.50	1.00	<0.005		0.2	0.3	39	23	71
			A0935229	37.50	38.50	1.00	0.021		0.4	1.0	37	33	127

From	To	Description	Sample	From	To	Length	Au g/t	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm
22.50	55.70	<p>39.45 - 46.0: Grey bleached-looking, muscovite-rich metasediments w/ streaks and diss. of fine Py, mostly as elongated blebs along foliation direction, py up to 3%</p> <p>46.0 - 48.5: 2-5% pyrite as flattened blebs on foliation planes</p> <p>48.5 - 55.7: similar to foregoing but prite content is &lt;0.5%. Occasional grey quartz seams</p>	A0935230	38.50	39.50	1.00	0.018	0.016	0.8	2.8	146	156	285
<i>(continued)</i>			A0935231	39.50	40.50	1.00	0.078	0.078	0.4	2.1	51	27	86
			A0935232	40.50	41.50	1.00	0.177		0.4	2.1	44	51	118
			A0935233	41.50	42.50	1.00	0.229		0.6	2.0	70	109	235
			A0935234	42.50	43.50	1.00	0.073		0.8	1.2	79	192	450
			A0935235	43.50	44.50	1.00	0.017		0.8	1.1	51	136	173
			A0935236	44.50	45.30	0.80	0.018		0.4	1.5	21	41	84
			A0935237	45.30	46.50	1.20	0.009		0.4	1.7	75	61	200
			A0935238	46.50	47.50	1.00	0.116		0.5	0.8	100	111	360
			A0935239	47.50	48.50	1.00	0.069		0.4	1.5	87	58	176
			A0935240	48.50	49.50	1.00	0.065		0.2	0.9	50	15	113
			A0935241	49.50	50.50	1.00	0.079		0.5	1.0	59	234	399
			A0935242	50.50	51.50	1.00	0.057		0.6	2.3	82	208	213
			A0935243	51.50	52.50	1.00	0.057		0.2	2.8	23	34	120
			A0935244	52.50	53.50	1.00	0.025		0.3	1.9	61	52	163
			A0935245	53.50	54.50	1.00	0.182		0.4	2.5	40	19	95
			A0935246	54.50	55.50	1.00	0.053	0.510	0.4	344.0	77	15	106
55.70	56.45	<b>Feldspar Porphyry:</b> Massive, medium grained, medium grey colour, moderately magnetic, moderately high calcite content	A0935247	55.50	56.50	1.00	0.256		0.4	< 0.1	11	25	160
56.45	68.90	<b>Metasediment:</b> As above, mostly biotite rich, with muscovite rich sections 57.0-57.6 m. Narrow grey quartz stringers throughout, forming up to 5% of the rock from 62.0 to 63.1 m. Disseminated and streaky pyrite locally up to 5%. Some quartz seams have pyrite patches and seams, especially 57.9-59.1 m.	A0935248	56.50	57.50	1.00	0.065		0.5	355.0	63	23	119
			A0935249	57.50	58.50	1.00	0.200		0.4	53.5	64	15	88
			A0935250	58.50	59.50	1.00	0.359		0.4	24.0	69	13	109
			A0935251	59.50	60.50	1.00	0.035		0.5	135.0	65	17	121
			A0935252	60.50	61.50	1.00	0.016		0.2	136.0	64	14	106
			A0935253	61.50	62.50	1.00	0.018		0.3	4.3	57	14	64
			A0935254	62.50	63.50	1.00	0.048		0.2	2.0	44	11	75
			A0935255	63.50	64.50	1.00	0.029		0.2	1.3	42	10	83
			A0935256	64.50	65.50	1.00	0.010	0.009	0.2	1.0	55	11	75
			A0935257	65.50	66.50	1.00	0.029		0.2	< 0.1	52	14	99
			A0935258	66.50	67.50	1.00	0.006		0.2	< 0.1	67	14	77
			A0935259	67.50	68.60	1.10	0.010		0.3	< 0.1	85	16	70
68.90	69.60	<b>Lamprophyre (?):</b> Dark grey, v schistose, non-mag, calcite rich. Phenos of pyroxene (?)	A0935260	68.60	69.60	1.00	0.006		0.2	< 0.1	57	14	99
69.60	70.40	<b>Feldspar Porphyry:</b> V pale grey, massive, mod magnetic, minor calcite, sparse phenos	A0935261	69.60	70.40	0.80	0.006		0.3	< 0.1	6	13	75
70.40	70.90	<b>Lamprophyre (?):</b> As above	A0935262	70.40	71.40	1.00	0.007		0.1	< 0.1	66	10	101
70.90	72.80	<b>Feldspar Porphyry:</b> As 55.70-58.45	A0935263	71.40	72.40	1.00	0.012		0.1	< 0.1	62	12	106
72.80	73.00	<b>Metasediment:</b> As above.	A0935264	72.40	73.40	1.00	0.007		0.2	< 0.1	58	17	129



<b>TASHOTA RESOURCES INC. LAROSE GOLD PROJECT DIAMOND DRILL LOG</b>	<b>Hole No:</b>
	LR19-04

<b>Hole No.</b>	LR19-04
<b>Dip</b>	-45°
<b>Depth</b>	75.02 metres
<b>Azimuth (local)</b>	
<b>Azimuth (true)</b>	310° (relative to UTM grid)
<b>Collar coordinates (local)</b>	
<b>Collar coordinates (UTM)</b>	660850.90E, 5380078.12N 438.11 NTv_2
<b>UTM datum &amp; zone</b>	NAD83 ZONE 15
<b>Date started</b>	2019-08-02
<b>Date finished</b>	2019-08-10
<b>Drilled By</b>	Custom Diamond Drilling
<b>Core Size</b>	BQTK
<b>Casing Left In</b>	No
<b>Logged By</b>	Colin Bowdidge
<b>Comments:</b>	Cut 0.50 metre with heavy galena and sphalerite in grey quartz, plus multiple points of VG. Assay was 69.6 g/t Au over 0.50 m. This intersection is not under the P2 trench. Lower in the hole is a sericite alteration zone averaging 2.313 g/t Au over 4.00 metres.

<b>Dip Tests</b>
75.02 m      -43°

From	To	Description	Sample	From	To	Length	Au g/T	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm	
0.00	0.30	<b>Casing</b>												
0.30	1.75	<b>Feldspar Porphyry:</b> Massive, pale grey, siliceous (silicified?) with cloudy feldspar phenocrysts in vfg matrix, weakly schistose in places. Lower contact at 35° to CA, conformable to foliation in underlying metasediment.	A0935268	0.30	1.30	1.00	<0.005		0.35	0.4	9	45	63	
			A0935269	1.30	2.30	1.00	0.012		0.31	2.2	22	35	74	
			A0935270	2.30	3.30	1.00	<0.005		0.17	11.3	50	20	80	
1.75	33.90	<b>Metasediments:</b> As described in previous holes. Mostly grey sandstone/wacke with interbeds of thinly bedded to laminated argillites. Foliation is mostly at 25-35° to CA.  7.7-9.8: a few greyish quartz stringers parallel to foliation, occasional trace pyrite  13.5-14.0: fine-grained schistose section, a few quartz stringers, pyrite-pyrrhotite-sphalerite in quartz seam at 13.8 m  <b>15.3-15.65: very siliceous (silicified?) multiple grey quartz stringers, brecciated, boudinaged and folded, with heavy pyrite-pyrrhotite-galena-sphalerite and abundant VG (± 12 specks)</b> 15.65-16.15: stringers of qtz-py-po-sp-gn much less abundant 16.15-33.9: a few quartz seams, little sulphides  22.39-22.49: white quartz, irregular contacts  23.0-23.2: quartz stringers make up 30% of rock, no sulphides  31.90-31.95: quartz seams and po streaks	A0935271	3.30	4.30	1.00	<0.005		0.13	13.8	59	17	104	
			A0935272	4.30	5.30	1.00	<0.005		0.12	6.2	49	15	69	
			A0935273	5.30	6.30	1.00	<0.005		0.10	6.4	48	14	75	
			A0935274	6.30	7.30	1.00	<0.005		0.14	13.7	49	14	74	
			A0935275	7.30	8.30	1.00	0.013		0.14	14.3	60	16	82	
			A0935276	8.30	9.30	1.00	0.032		0.09	14.1	43	16	73	
			A0935277	9.30	10.30	1.00	0.041		0.14	23.9	57	18	92	
			A0935278	10.30	11.30	1.00	<0.005		0.24	31.2	69	21	101	
			A0935279	11.30	12.30	1.00	0.012		0.12	27.7	52	16	95	
			A0935280	12.30	13.30	1.00	0.047		0.28	37.1	51	17	86	
			A0935281	13.30	14.30	1.00	0.062	0.049	0.83	16.4	90	68	92	
			A0935282	14.30	15.30	1.00	0.103		0.31	3.6	61	18	105	
			A0935283	15.30	15.80	0.50			<b>69.60 (grav)</b>	18.60	101.0	206	4900	4620
			A0935284	15.80	16.30	0.50	0.656		1.85	92.0	96	660	501	
			A0935285	16.30	17.30	1.00	0.085		0.28	17.3	55	21	79	
			A0935286	17.30	18.30	1.00	0.024	0.025	0.17	65.5	58	17	89	
			A0935287	18.30	19.30	1.00	0.008		0.14	177.0	54	17	82	
			A0935288	19.30	20.30	1.00	0.047		0.17	59.0	56	14	82	
			A0935289	20.30	21.30	1.00	0.105		0.16	43.2	63	16	102	
			A0935290	21.30	22.30	1.00	0.012		0.14	4.4	40	19	73	
			A0935291	22.30	23.30	1.00	0.030		0.22	3.6	35	22	76	
			A0935292	23.30	24.30	1.00	<0.005		0.26	< 0.1	48	21	73	
			A0935293	24.30	25.30	1.00	0.038		0.22	4.4	42	24	92	
			A0935294	25.30	26.30	1.00	0.009	0.006	0.14	3.8	37	19	77	
			A0935295	26.30	27.30	1.00	0.017		0.17	< 0.1	38	17	69	
			A0935296	27.30	28.40	1.10	0.053		0.21	0.9	38	19	72	
			A0935297	28.40	29.50	1.10	0.038		0.49	< 0.1	64	70	142	
A0935298	29.50	30.50	1.00	0.072		0.24	0.7	58	20	110				
A0935299	30.50	31.60	1.10	0.203		0.35	1.4	50	29	98				
A0935300	31.60	32.70	1.10	0.063		0.29	< 0.1	66	20	91				
A0935301	32.70	33.80	1.10	0.016		0.26	7.5	54	18	99				
33.90	34.68	<b>Feldspar Porphyry:</b> Massive to schistose, upper contact is transgressive, lower contact is broken up.	A0935302	33.80	34.80	1.00	0.016		0.50	59.3	64	19	75	

From	To	Description	Sample	From	To	Length	Au g/T	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm			
34.68	52.10	<b>Metasediments:</b> As above 34.68-35.9: quartz stringers, po seams and qtz-po seams 35.9-36.8: very abundant quartz stringers with heavy po, also po seams and bands 36.8-39.5: qtz and po becoming progressively more sparse	A0935303	34.80	35.80	1.00	0.017		0.30	0.8	60	19	121			
			A0935304	35.80	36.80	1.00	0.009		0.37	< 0.1	63	37	109			
			A0935305	36.80	37.80	1.00	0.670		0.43	0.3	64	40	136			
			A0935306	37.80	38.80	1.00	0.022		0.19	8.5	51	20	105			
			A0935307	38.80	39.80	1.00	0.160		0.22	4.5	57	18	117			
			A0935308	39.80	40.80	1.00	0.036		0.24	3.9	48	28	99			
			A0935309	40.80	41.80	1.00	0.005		0.22	3.4	41	25	88			
			A0935310	41.80	42.80	1.00	<0.005		0.39	< 0.1	70	32	108			
			A0935311	42.80	43.80	1.00	<0.005		0.46	< 0.1	63	49	67			
			A0935312	43.80	44.80	1.00	0.082		0.33	0.9	49	37	90			
			A0935313	44.80	45.80	1.00	0.011		0.20	< 0.1	47	19	77			
			A0935314	45.80	46.30	0.50	0.208		0.19	< 0.1	47	23	95			
			A0935315	46.30	46.80	0.50	0.045		0.59	1.2	48	144	112			
			A0935316	46.80	47.80	1.00	0.121		0.21	0.8	49	22	105			
			A0935317	47.80	48.80	1.00	0.109		0.50	1.1	56	75	144			
			A0935318	48.80	49.80	1.00	0.045		0.29	2.1	52	27	107			
			A0935319	49.80	50.80	1.00	0.340	0.229	0.31	11.0	51	31	154			
			A0935320	50.80	51.80	1.00	0.716		0.33	436.0	58	53	195			
			52.10	56.10	<b>Sericite Zone:</b> buff-coloured, fine-grained, schistose at 35° to CA. Multiple qtz-po seams, both on foliation planes and folded with visible foliation planes axial-plane to the folds.	A0935321	51.80	52.80	1.00	3.400	average	1.28	219.0	59	334	511
						A0935322	52.80	53.80	1.00	2.520	51.8 to 55.8	1.72	57.5	64	83	186
A0935323	53.80	54.80				1.00	0.451	2.313 g/t Au	0.69	3.0	109	139	350			
A0935324	54.80	55.80				1.00	2.880	over 4 m	2.21	3.3	103	1040	815			
56.10	75.02	<b>Metadesiments:</b> As above, mostly near-massive dark sandstone/wacke, dark grey in colour 56.1-60.6: occasional qtz-po seams 58.2-58.3: multiple quartz seams with sericitic partings  60.6-60.9: multiple qtz-po seams with very minor cpy + gn +sp in one seam  60.9-67.0: sparse qtz-po seams becoming sparse down hole.	A0935325	55.80	56.90	1.10	0.167		0.24	5.1	64	33	140			
			A0935326	56.90	57.90	1.00	0.172		0.34	83.5	58	28	114			
			A0935327	57.90	59.00	1.10	0.359		0.42	27.5	51	41	116			
			A0935328	59.00	60.00	1.00	0.236		0.52	135.0	57	89	211			
			A0935329	60.00	60.50	0.50	0.075		0.54	184.0	56	52	168			
			A0935330	60.50	61.00	0.50	0.114		0.98	235.0	47	489	624			
			A0935331	61.00	62.00	1.00	0.358		0.26	87.4	58	31	139			
			A0935332	62.00	63.00	1.00	0.253	0.233	0.23	37.0	49	18	83			
			A0935333	63.00	64.00	1.00	0.125		0.25	184.0	48	17	83			
			A0935334	64.00	65.00	1.00	0.030		0.16	190.0	48	18	86			
			A0935335	65.00	66.00	1.00	0.198		0.18	110.0	50	17	123			
			A0935336	66.00	67.00	1.00	0.040		0.21	99.6	58	18	94			
			A0935337	67.00	68.00	1.00	<0.005		0.21	119.0	54	17	77			
			A0935338	68.00	69.00	1.00	<0.005		0.27	139.0	52	18	84			
			A0935339	69.00	70.00	1.00	<0.005		0.18	112.0	55	18	87			
			A0935340	70.00	71.00	1.00	<0.005		0.18	137.0	51	17	81			





<b>TASHOTA RESOURCES INC. LAROSE GOLD PROJECT DIAMOND DRILL LOG</b>	<b>Hole No:</b>
	<b>LR19-05</b>

<b>Hole No.</b>	LR19-05
<b>Dip</b>	-45°
<b>Depth</b>	55.47 metres
<b>Azimuth (local)</b>	
<b>Azimuth (true)</b>	133° (relative to UTM grid)
<b>Collar coordinates (local)</b>	
<b>Collar coordinates (UTM)</b>	660826.27E, 5380098.91, 436.31 NTV_2
<b>UTM datum &amp; zone</b>	NAD83 ZONE 15
<b>Date started</b>	2019-08-14
<b>Date finished</b>	2019-08-22
<b>Drilled By</b>	Custom Diamond Drilling
<b>Core Size</b>	BQTK
<b>Casing Left In</b>	No
<b>Logged By</b>	Colin Bowdidge
<b>Comments:</b>	This hole cut a grey quartz bearing section that assayed 5.81 g/t Au over 0.50 metres.

<b>Dip Tests</b>
55.47 m     -44°

From	To	Description	Sample	From	To	Length	Au g/T	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm
0.00	34.88	<b>Metasediments:</b> Typical, mostly sandstones with grain sizes around 0.5 mm. Foliation at 45° before 7 metres, then swings to 55-60° by 9 m and stays in that range.											
		9.5-9.6: several grey quartz seams, brecciated, boudinaged and folded	A0935345	7.50	8.50	1.00	0.058		0.16	35.9	56	17	92
		9.6-9.9: abundant quartz seams and stringers, discordant to foliation	A0935346	8.50	9.50	1.00	0.011		0.23	34.8	63	18	86
			A0935347	9.50	10.00	0.50	0.085		0.34	309.0	42	26	81
		10.8-11.2: abundant quartz stringers conformable to foliation, narrow bands of heavy to massive pyrite	A0935348	10.00	10.75	0.75	0.121		0.21	74.0	47	19	103
			A0935349	10.75	11.50	0.75	0.049		0.37	109.0	48	45	113
			A0935350	11.50	12.50	1.00	0.165		0.52	64.7	53	54	183
			A0935351	12.50	13.50	1.00	0.019	0.026	0.30	13.8	54	28	106
			A0935352	13.50	14.50	1.00	0.007		0.29	17.8	59	19	95
			A0935353	14.50	15.40	0.90	<0.005		0.26	14.7	48	26	128
		15.5-15.75: abundant quartz stringers with disseminated pyrrhotite and small clusters of po-sp-gn	A0935354	15.40	15.90	0.50	0.568		1.94	36.4	81	677	335
			A0935355	15.90	16.40	0.50	0.160		0.19	15.9	57	19	88
			A0935356	16.40	17.30	0.90	0.040		0.17	41.8	51	16	83
			A0935357	17.30	18.20	0.90	0.201		0.20	49.1	52	17	91
		18.2-19.2: very abundant quartz stringers making up ±30% of the rock, sericite on schistosity planes. Pyrrhotite streaks in rock and disseminated in the quartz. very minor cpy at 18.4 and sphalerite at 18.85 m.	A0935358	18.20	18.70	0.50	>5.000	5.81 grav	1.13	94.7	66	321	242
			A0935359	18.70	19.20	0.50	2.650		1.51	58.5	114	541	959
		19.2-20.3: similar to the above but quartz is now 15-20% of the rock. Po streaks some py at 20.25, minor sphalerite at 19.8, one speck VG at 19.5	A0935360	19.20	19.70	0.50	0.384	0.327	0.52	4.0	60	66	117
			A0935361	19.70	20.20	0.50	0.164		1.19	327.0	62	401	448
			A0935362	20.20	20.70	0.50	0.092		0.93	13.0	186	88	98
			A0935363	20.70	21.70	1.00	0.063		0.41	0.4	52	34	92
		22.7-22.8: irregular quartz-calcite vein	A0935364	21.70	22.70	1.00	0.098		0.14	10.4	39	19	101
			A0935365	22.70	23.70	1.00	0.047		0.48	1.9	45	55	131
			A0935366	23.70	24.70	1.00	0.028		0.21	4.1	40	20	78
			A0935367	24.70	25.70	1.00	0.023		0.28	0.4	44	22	83
		26.35-26.45: quartz-calcite vein	A0935368	25.70	26.70	1.00	0.276		0.48	1.4	53	137	304
			A0935369	26.70	27.70	1.00	0.068	0.101	0.25	30.0	52	21	92
			A0935370	27.70	28.70	1.00	0.036		0.19	75.6	57	18	80
			A0935371	28.70	29.70	1.00	0.059		0.18	31.5	59	17	85
			A0935372	29.70	30.70	1.00	0.049		0.19	51.7	61	17	76
			A0935373	30.70	31.70	1.00	0.010		0.22	23.7	51	17	79
			A0935374	31.70	32.70	1.00	0.027		0.18	20.6	41	18	72
			A0935375	32.70	33.70	1.00	0.017		0.15	14.2	41	16	68
			A0935376	33.70	34.70	1.00	0.040		0.15	10.6	46	15	71
34.88	35.42	<b>Feldspar porphyry:</b> pinkish-grey, very siliceous, phenocrysts of feldspar are cloudy, weak foliation conformable to foliation in wall rocks, contacts also conformable.	A0935377	34.70	35.70	1.00	<0.005		0.38	7.9	27	27	71



<b>TASHOTA RESOURCES INC. LAROSE GOLD PROJECT DIAMOND DRILL LOG</b>	Hole No:
	LR19-06

<b>Hole No.</b>	LR19-06
<b>Dip</b>	-65°
<b>Depth</b>	55.78 metres
<b>Azimuth (local)</b>	
<b>Azimuth (true)</b>	133° (relative to UTM grid)
<b>Collar coordinates (local)</b>	
<b>Collar coordinates (UTM)</b>	660826.27E, 5380098.91, 436.31 NTV_2
<b>UTM datum &amp; zone</b>	NAD83 ZONE 15
<b>Date started</b>	2019-08-25
<b>Date finished</b>	2019-08-30
<b>Drilled By</b>	Custom Diamond Drilling
<b>Core Size</b>	BQTK
<b>Casing Left In</b>	No
<b>Logged By</b>	Colin Bowdidge
<b>Comments:</b>	<p>Best results was 1.26 g/t Au over 0.9 m</p>

<b>Dip Tests</b>
55.78 m    -64°

From	To	Description	Sample	From	To	Length	Au g/T	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm
0.00	29.05	<b>Metasediment:</b> Grey, monotonous sandstone with fine-grained argillite interbeds, or possibly the finer-grained sections are sheared. Foliation starts at 35-40° to CA but swings to 50-60° by 10 m, and stabilizes at that angle.											
		10.70-10.85: multiple contorted quartz-calcite veinlets.	A0935397	10.40	11.40	1.00	0.079		0.34	81.2	50	26	103
		11.10: 1 cm strongly schistose with a conformable qtz-carb seam	A0935398	11.40	12.40	1.00	0.099		0.20	75.0	50	15	96
		12.45-12.90: fine-grained argillitic shear zone, very siliceous (silicified?) with multiple conformable quartz-calcite veinlets with 2-3% fine pyrite on schistose partings and disseminated pyrrhotite, minor sphalerite & galena. Cut by later slightly transgressive white quartz seams, unmineralized. At 12.90 is a 4 cm grey quartz vein with disseminated pyrite, sphalerite and galena.	A0935399	12.40	13.00	0.60	0.316	0.253	0.57	16.5	71	115	509
			A0935400	13.00	13.60	0.60	0.255		0.99	117.0	62	99	246
			A0935401	13.60	14.20	0.60	0.450		0.32	32.9	47	35	143
			A0935402	14.20	15.20	1.00	0.078		0.16	20.2	42	17	87
			A0935403	15.20	16.20	1.00	0.017		0.25	13.6	51	17	86
			A0935404	16.20	17.50	1.30	0.005		0.20	15.8	51	15	77
			A0935405	17.50	18.80	1.30	<0.005		0.20	9.4	46	19	91
		18.8-19.0: pyrrhotite streaks on foliation planes	A0935406	18.80	19.30	0.50	<0.005		0.27	27.3	54	23	109
		19.0-19.2: irregular quartz-calcite-pyrrhotite veins with very minor sp & gn	A0935407	19.30	20.00	0.70	0.006		0.18	39.6	42	15	75
			A0935408	20.00	20.60	0.60	0.160		0.19	95.3	53	17	84
			A0935409	20.60	21.10	0.50	0.070		0.29	78.3	60	23	103
		20.6-23.5: sulphide-vein zone, irregular qtz-carb-po veins	A0935410	21.10	21.60	0.50	0.424	0.377	0.77	32.5	35	277	108
		21.32-21.40: qtz-carb-po vein with gn and sp and 1 speck of VG	A0935411	21.60	22.20	0.60	0.354		0.34	3.9	40	37	83
		22.25-22.30: qtz-carb-po vein with py, sp & gn	A0935412	22.20	22.80	0.60	0.877		3.45	524.0	74	2240	2240
		22.45-22.70: closely spaced qtz-carb-po veinlets with gn & sp	A0935413	22.80	23.50	0.70	0.624		1.50	3.3	67	507	357
		23.30: 2 cm qtz-carb-po vein with minor gn & sp	A0935414	23.50	24.40	0.90	0.154		0.29	0.5	47	23	104
			A0935415	24.40	25.30	0.90	0.063		0.31	1.5	74	24	96
		23.5-27.0: occasional sections of fine-grained argillite/shear with streaks of po and qtz-carb-po veinlets	A0935416	25.30	26.20	0.90	0.068		0.24	2.6	48	23	98
			A0935417	26.20	27.10	0.90	1.260		0.53	1.4	97	57	132
			A0935418	27.10	28.00	0.90	0.014		0.25	< 0.1	47	22	154
			A0935419	28.00	29.00	1.00	0.005		0.18	3.3	37	15	70
29.05	30.45	<b>Feldspar Porphyry:</b> brownish colour, non-magnetic, shares foliation with wall rocks (60° to CA) but upper contact is at 60° to CA in opposite sense. Looks like a chilled margin.	A0935420	29.00	29.75	0.75	0.014		0.47	2.9	102	9	65
			A0935421	29.75	30.50	0.75	0.033		0.70	1.1	149	15	83
30.45	40.10	<b>Metasediment:</b> as above, monotonous	A0935422	30.50	31.50	1.00	0.248		0.61	1.4	70	170	261
			A0935423	31.50	32.50	1.00	0.058		0.24	6.6	50	19	92
			A0935424	32.50	33.50	1.00	0.009		0.29	21.3	56	22	88
			A0935425	33.50	34.50	1.00	<0.005		0.27	13.1	47	22	80
			A0935426	34.50	35.50	1.00	0.042		0.18	31.7	38	15	55
			A0935427	35.50	36.50	1.00	0.221		0.63	15.9	55	181	464
			A0935428	36.50	37.50	1.00	0.019	0.016	0.15	17.9	29	17	55
			A0935429	37.50	38.50	1.00	<0.005		0.17	19.7	41	16	70
			A0935430	38.50	39.50	1.00	0.006		0.17	10.9	42	15	62
			A0935431	39.50	40.50	1.00	<0.005		0.29	8.6	27	30	65



<b>TASHOTA RESOURCES INC. LAROSE GOLD PROJECT DIAMOND DRILL LOG</b>	Hole No:  LR19-07
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<b>Hole No.</b>	LR19-07
<b>Dip</b>	-45°
<b>Depth</b>	45.44 metres
<b>Azimuth (local)</b>	
<b>Azimuth (true)</b>	100° (relative to UTM grid)
<b>Collar coordinates (local)</b>	
<b>Collar coordinates (UTM)</b>	660826.27E, 5380098.91, 436.31 NTV_2
<b>UTM datum &amp; zone</b>	NAD83 ZONE 15
<b>Date started</b>	2019-09-05
<b>Date finished</b>	2019-09-13
<b>Drilled By</b>	Custom Diamond Drilling
<b>Core Size</b>	BQTK
<b>Casing Left In</b>	No
<b>Logged By</b>	R. Barber 2019-09-14
<b>Comments:</b>	

<b>Dip Tests</b>
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From	To	Description	Sample	From	To	Length	Au g/T	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm								
0.00	1.20	<b>Casing:</b> Broken, 1-4 cm pieces of greywacke.																			
1.20	10.62	<b>Greywacke:</b> Fine grained, dark grey, non-magnetic, fairly massive. Fractured/foliated at 55 TCA. Also fractured at 35 TCA. Minor quartz-pyrite filled fractures @ 10 TCA. Very broken with oxidized fractures to 4.5m.	A0935447	9.10	10.10	1.00	0.010		0.17	21.8	41	16	92								
			A0935448	10.10	10.62	0.52	<0.005		0.24	26.5	40	18	96								
10.62	15.42	<b>Quartz-Carbonate Vein Zone:</b> Fine grained, dark grey greywacke, as above, with 3-5% white quartz-carbonate veinlets throughout. Quartz is glassy with white carbonate (ankerite). Veins range from 80 to 0 degrees, but typically @ 45-55 degrees. Trace pyrrhotite throughout. 12.75: small tension veins terminate against fracture @ 45 TCA 10.60 - 10.68: grey ankerite vein appears folded 13.90-14.62: 50% quartz-carbonate veining with weak-moderate sericite alteration and 1% pyrrhotite in the wallrock. 14.30-14.37: Milky quartz-carbonate vein @ 5-30 TCA. 1% coarse biotite, up to 1% stubby arsenopyrite, 1 grain of sphalerite. 1-2% fine grained, disseminated Pyrrhotite in the wallrock.	A0935449	10.62	10.90	0.28	<0.005		0.18	24.1	39	15	75								
			A0935450	10.90	11.40	0.50	0.027		0.16	38.6	42	17	82								
			A0882001	11.40	12.40	1.00	0.078		0.24	67.6	48	26	125								
			A0882002	12.40	13.40	1.00	0.234		0.33	29.5	48	29	120								
			A0882003	13.40	13.90	0.50	0.023		0.27	16.0	48	22	91								
			A0882004	13.90	14.62	0.72	<0.005		0.27	13.7	36	22	69								
			A0882005	14.62	15.42	0.80	0.006		0.25	16.9	45	18	84								
15.42	17.27	<b>Greywacke:</b> As 1.20-10.62. 1-2cm quartz-ankerite-dravite vein @16.72.	A0882006	15.42	16.30	0.88	0.040		0.15	16.6	42	14	84								
			A0882007	16.30	17.27	0.97	0.055		0.20	12.7	38	16	82								
17.27	23.13	<b>Well Bedded Greywacke:</b> Interbedded very fine grained argillite and fine to medium grained massive wacke. Wacke sections often have 2-5% rounded porphyroblasts of a light greenish-grey mineral (muscovite?). 2% fine grained, disseminated pyrrhotite and concentrated into bands 5-20 mm thick. Quartz-calcite and quartz-ankerite stringers at 45-55 TCA throughout, commonly boudinaged.  18.20-22.16: sulphide-vein zone, irregular qtz-carb-po veins 18.20-18.52: 40% qtz-carb-po vein, 5% po 21.46-22.16: 5% qtz-carb-po vein, 5% po	A0882008	17.27	18.20	0.93	0.167		0.19	18.5	55	17	107								
			A0882009	18.20	18.52	0.32	0.938		0.88	88.1	83	46	115								
			A0882010	18.52	19.30	0.78	0.305	0.268	0.26	1.6	59	19	116								
			A0882011	19.30	19.90	0.60	0.187		0.76	368.0	72	130	137								
			A0882012	19.90	20.52	0.62	0.159		0.21	28.5	45	13	114								
			A0882013	20.52	21.46	0.94	0.175		0.28	31.2	50	19	87								
			A0882014	21.46	22.16	0.70	0.062		0.38	1.3	47	33	101								
23.13	35.93	<b>Greywacke:</b> Much as 1.20-10.62, with a few argillite bands 10cm thick. 0.25-0.5mm quartz grains commonly visible.  26.80-27.15: 10% quartz-carbonate veins with minor po and minor sph  28.92-29.50: 10% contorted quartz-carb vein with biotite and trace sph	A0882015	22.16	23.13	0.97	0.010		0.35	3.0	51	40	135								
			A0882016	23.13	24.00	0.87	0.016		0.23	< 0.1	47	20	73								
			A0882017	24.00	25.00	1.00	0.038		0.29	0.5	39	28	83								
			A0882018	25.00	26.00	1.00	0.027		0.44	< 0.1	44	22	66								
			A0882019	26.00	26.80	0.80	0.247		0.33	0.6	50	34	100								
			A0882020	26.80	27.15	0.35	0.380		0.67	2.0	44	92	230								
			A0882021	27.15	28.00	0.85	0.108		0.25	5.0	82	18	102								
			A0882022	28.00	28.92	0.92	0.071		0.38	7.5	61	39	98								
A0882023	28.92	29.50	0.58	0.052		0.30	13.7	70	26	112											
											A0882024	29.50	30.50	1.00	0.015	0.011	0.21	22.7	49	20	78
											A0882025	30.50	31.30	0.80	0.009		0.16	27.9	47	18	84





<b>TASHOTA RESOURCES INC. LAROSE GOLD PROJECT DIAMOND DRILL LOG</b>	<b>Hole No:</b>
	LR19-08

<b>Hole No.</b>	LR19-08
<b>Dip</b>	-45°
<b>Depth</b>	95.10 metres
<b>Azimuth (local)</b>	
<b>Azimuth (true)</b>	084° (relative to UTM grid)
<b>Collar coordinates (local)</b>	
<b>Collar coordinates (UTM)</b>	660826.27E, 5380098.91, 436.31 NTV_2
<b>UTM datum &amp; zone</b>	NAD83 ZONE 15
<b>Date started</b>	2019-09-17
<b>Date finished</b>	2019-10-05
<b>Drilled By</b>	Custom Diamond Drilling
<b>Core Size</b>	BQTK
<b>Casing Left In</b>	No
<b>Logged By</b>	Roland Landry to 72.5 m, Colin Bowdidge 72.5-95.1 m
<b>Comments:</b>	

<b>Dip Tests</b>
95.0 m      -43°

From	To	Description	Sample	From	To	Length	Au g/T	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm
0.00	0.50	Casing											
0.50	28.90	<b>Greywacke:</b> fine grained greyish greywacke. Weak possible bedding in locations that are generally at 40 to 50 DTCA, becomes stronger downhole. 16.1-18.0: minor pyrrhotite as streaks on bedding planes. 17.90-17.95: grey quartz veinlets	A0935451	16.10	17.10	1.00	0.019		0.21	28.9	46	21	101
			A0935452	17.10	18.10	1.00	0.047		0.29	90.8	49	31	122
			A0935453	18.10	19.10	1.00	0.109		0.37	6.0	53	34	140
			A882051	19.10	19.65	0.55	1.060		3.13	14.9	117	1400	886
			A882052	19.65	21.40	1.75	0.022		0.44	3.9	77	70	93
			A0935454	21.20	22.20	1.00	0.008		0.31	5.6	49	25	88
			A882053	21.40	21.80	0.40	0.147		1.98	8.2	91	328	134
			A0935455	22.20	23.30	1.10	0.013		0.25	17.3	50	23	105
			A0935456	23.30	24.40	1.10	0.073		0.27	55.4	54	25	104
			A0935457	24.40	25.50	1.10	0.012		0.33	13.8	79	24	94
			A0935458	25.50	26.60	1.10	0.011		0.28	55.6	66	25	123
			A0935459	26.60	27.70	1.10	0.031		0.20	60.7	51	15	96
			A882054	27.70	28.35	0.65	0.155		0.34	9.8	46	31	81
			A882055	28.35	28.91	0.56	0.421		0.70	4.8	53	89	108
28.90	30.00	<b>Mixed Mafic and Qtz grain Dyke:</b> Amphibole matrix dyke, has sharp contacts at 50 DTCA. Strong alteration at both contacts that affects the greywacke. Turns into a silicified contact margin, with 3% sulphides (py and po)											
30.00	52.10	<b>Greywacke:</b> As above	A882056	30.10	30.60	0.50	0.024		0.31	2.9	60	26	90
			A0935460	30.60	32.10	1.50	0.009		0.22	0.3	44	19	92
			A882057	32.10	32.50	0.40	2.830		0.56	0.2	54	146	759
			A882072	32.50	33.10	0.60	0.045		0.25	< 0.1	38	42	104
			A882073	33.10	33.80	0.70	0.136		0.26	< 0.1	35	27	64
			A882074	33.80	34.40	0.60	0.064		0.30	< 0.1	39	29	80
			A0935461	34.40	35.40	1.00	0.392		0.42	1.7	48	34	74
			A0935462	35.40	36.40	1.00	0.092		0.46	1.9	57	27	106
			A0935463	36.40	37.40	1.00	0.092		0.29	7.8	52	16	80
			A0935464	37.40	38.40	1.00	0.076		0.24	48.9	48	17	78
			A0935465	38.40	39.40	1.00	0.109		0.28	95.5	56	18	89
			A0935466	39.40	40.40	1.00	0.081		0.31	190.0	51	38	97
			A0935467	40.40	41.40	1.00	0.006		0.24	30.5	51	20	83
			A0935468	41.40	42.50	1.10	0.005		0.21	12.3	40	19	103
			A882058	42.50	42.90	0.40	<0.005		0.30	15.0	28	24	78
			A882059	42.90	43.40	0.50	0.008		0.35	7.7	43	42	78
			A0935469	43.40	44.30	0.90	0.071		0.21	40.4	46	22	81
			A0935470	44.30	45.20	0.90	0.024		0.19	132.0	39	17	68
			A0935471	45.20	46.10	0.90	0.017		0.20	159.0	41	19	66



From	To	Description	Sample	From	To	Length	Au g/T	Au rpt	Ag ppm	Asppm	Cu ppm	Pb ppm	Zn ppm
89.10	95.10	Quartz-Feldspar Porphyry: White, massive, quartz and feldspar phenocrysts are sparse. Up to 1%pyrite inclusters 5-10 mm in size. Contact with the above quartz-eye porphyry has a 10 cm quartz vein along the contact, but 89.2 to 89.6 has a coarse globular sort of texture that looks like magma mixing.	A0935493	89.00	90.00	1.00	0.006		0.12	6.7	57	6	59
			A0935494	90.00	91.00	1.00	<0.005		0.15	5.7	27	7	56
			A0935495	91.00	92.00	1.00	<0.005	<0.005	0.09	0.7	9	8	61
			A0935496	92.00	93.00	1.00	<0.005		0.11	3.5	14	8	54
			A0935497	93.00	94.00	1.00	<0.005		0.13	1.2	16	10	71

95.10 - End of Hole

**APPENDIX 2**  
**TABLE OF MINING CLAIMS**

Tenure ID	Legacy Claim 1	Legacy Claim 2	Legacy Claim 3	Legacy Claim 4	Township / Area	Tenure Type	Due Date	Work Required	Work Applied	Expl. Reserve	Total Reserve
118137	3005724	3008209	3008656	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
125171	3008209	3008655	3008662	*	Moss	Boundary Cell	2019-07-07	\$200	\$0	\$0	\$0
128468	3008208	*	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$83	\$83
170299	3005724	3008209	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
170300	3008209	3008655	*	*	Moss	Boundary Cell	2019-07-07	\$200	\$0	\$0	\$0
175858	3008208	3008665	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$207	\$207
183112	3008208	3008657	3008665	*	Moss	Boundary Cell	2019-07-07	\$200	\$0	\$0	\$0
183113	3005724	3008208	3008657	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
188544	3005724	3008209	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
189227	3005724	3008208	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
221792	3008208	3008663	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$290	\$290
241922	3008208	*	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
266860	3005724	3008208	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$621	\$621
276977	3008208	3008665	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
289014	3008208	3008665	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
293052	3005724	3008209	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
293053	3008209	3008655	3008656	*	Moss	Boundary Cell	2019-07-07	\$200	\$0	\$0	\$0
296357	3008208	*	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
322302	3008209	3008659	3008662	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
322971	3005724	3008208	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
337415	3008208	3008663	3008665	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
337416	3008208	*	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$41	\$41
337417	3008208	3008665	*	*	Moss	Boundary Cell	2019-07-07	\$200	\$0	\$41	\$41
344676	3008209	3008659	*	*	Moss	Single Cell	2019-07-07	\$400	\$0	\$0	\$0
344677	3008209	3008655	*	*	Moss	Boundary Cell	2019-07-07	\$200	\$0	\$0	\$0
103134	4279971	4279972	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
103135	4279972	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
105781	4279969	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
105782	4279969	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
105783	4279969	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
109000	4274936	4274937	4279967	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
113623	4279968	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
113624	4279968	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
121352	4279971	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
121917	4279968	4279970	4279971	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
126482	4279972	*	*	*	Moss	Single Cell	2019-08-08	\$200	\$0	\$0	\$0
127208	4279969	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
127209	4279969	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
131631	4274937	4279967	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
137930	4279967	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
137931	4279967	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
138657	4279969	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
148567	4279968	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
148568	4279968	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0

Tenure ID	Legacy Claim 1	Legacy Claim 2	Legacy Claim 3	Legacy Claim 4	Township / Area	Tenure Type	Due Date	Work Required	Work Applied	Expl. Reserve	Total Reserve
148802	4279971	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
154948	4279972	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
154949	4279972	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
155234	4279969	4279971	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
157959	4279967	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
164544	4279971	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
171226	4279969	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
171578	4279970	4279971	4279972	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
171711	4279968	4279969	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
173374	4279968	4279969	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
173375	4279969	4279971	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
173811	4279971	4279972	*	*	Moss	Single Cell	2019-08-08	\$200	\$0	\$0	\$0
173812	4279972	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
179888	4279967	4279970	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
185932	4279968	4279970	4279971	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
185933	4279968	4279970	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
189844	4279972	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
190691	4279968	4279969	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
190692	4279969	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
202588	4279967	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
207053	4279970	4279972	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
207054	3008664	4279972	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$331	\$331
210609	4279967	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
213641	4274937	4279967	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
214768	4279968	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
215207	4279970	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
216285	4279968	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
219807	3008664	4279970	4279972	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
219808	4279972	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
219809	4279972	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
227746	3008664	4279972	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$228	\$228
227747	4279972	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
227964	4279969	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
233744	4274937	4279967	4279970	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
239931	4279967	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
240104	4279969	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
251306	4279968	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
252069	4279967	4279968	4279970	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
252070	4279967	4279970	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
274969	4279971	4279972	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
274970	4279972	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
276571	4279967	4279968	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
281725	4274937	4279970	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
281726	4279970	4279971	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0



Tenure ID	Legacy Claim 1	Legacy Claim 2	Legacy Claim 3	Legacy Claim 4	Township / Area	Tenure Type	Due Date	Work Required	Work Applied	Expl. Reserve	Total Reserve
281727	3008664	4279970	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$207	\$207
281728	3008664	4274937	4279970	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$103	\$103
286511	4279969	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
286512	4279969	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
287050	4279972	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
289808	4279970	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$207	\$207
294365	4279972	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$461	\$461
294366	4279972	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
299364	4279971	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
300010	4279968	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
305892	4279967	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
305893	4279967	4279968	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
306728	4279969	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
313188	4279967	4279968	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
318059	4279968	4279971	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
318060	4279971	*	*	*	Moss	Single Cell	2019-08-08	\$200	\$0	\$0	\$0
323064	3008664	4279972	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$124	\$124
324421	4279969	4279971	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
324422	4279968	4279969	4279971	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
329002	4279970	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
334803	4279967	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
334804	4279967	*	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
334882	4279969	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
334883	4279969	*	*	*	Moss	Boundary Cell	2019-08-08	\$200	\$0	\$0	\$0
341385	4274937	4279970	*	*	Moss	Single Cell	2019-08-08	\$400	\$0	\$0	\$0
102459	3008663	4288078	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
115315	4288080	*	*	*	Moss,Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
115316	4288080	*	*	*	Moss,Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
125724	3008208	4288078	4288079	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
128481	3008663	4288078	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
132594	4288078	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
132602	4288078	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
132603	4288078	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
153701	3008208	4288079	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
153702	4288079	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
153703	4288079	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
156420	3008663	4274936	4288078	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
189107	3005724	4288079	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
196799	4288078	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
198757	4288080	*	*	*	Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
204812	4288078	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
208303	3005724	3008208	4288079	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
214671	3008659	4288080	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
218887	4288080	*	*	*	Moss,Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0

Tenure ID	Legacy Claim 1	Legacy Claim 2	Legacy Claim 3	Legacy Claim 4	Township / Area	Tenure Type	Due Date	Work Required	Work Applied	Expl. Reserve	Total Reserve
218888	4288080	*	*	*	Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
219035	3005724	4288079	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
226471	4288078	4288079	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
226472	4288078	4288079	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
226473	3005724	4288079	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
226474	3008659	4288079	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
235534	4288080	*	*	*	Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
235535	4288080	*	*	*	Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
241921	3008208	4288078	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
246759	3008659	3008661	3008662	4288080	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
246760	3008661	4288080	*	*	Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
254111	3008661	4288080	*	*	Moss,Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
258452	3008208	3008663	4288078	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
262119	3008659	4288080	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
263342	4288078	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
265343	4288080	*	*	*	Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
265344	4288080	*	*	*	Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
266246	4288079	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
270817	4288078	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
282631	3008661	4288080	*	*	Tilly Lk	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
285753	3008209	3008659	4288079	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
293105	4288079	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
300660	4288078	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
317910	4288078	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
322301	3005724	3008209	4288079	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
322345	4288079	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
330765	4288078	*	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
332533	3008659	4288080	*	*	Moss	Single Cell	2019-09-22	\$400	\$0	\$0	\$0
102458	3008663	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
102824	3008657	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
106249	3008661	*	*	*	Moss,Tilly Lk	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
106250	3008661	*	*	*	Tilly Lk	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
107293	3008662	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
108192	3008665	3008666	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
108193	3008665	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
125173	3008657	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
128482	3008663	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
134837	3008661	3008662	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
134838	3008661	*	*	*	Moss,Tilly Lk	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
138926	3008662	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
138927	3008662	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
143614	3008665	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
147980	3008659	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
147981	3008659	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0

Tenure ID	Legacy Claim 1	Legacy Claim 2	Legacy Claim 3	Legacy Claim 4	Township / Area	Tenure Type	Due Date	Work Required	Work Applied	Expl. Reserve	Total Reserve
156421	3008663	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
170348	3008656	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
172824	3008664	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
173488	3008659	3008662	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
173489	3008662	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
186813	3008661	*	*	*	Tilly Lk	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
189109	3008656	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
190236	3008664	3008666	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
202872	3008664	3008666	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
202873	3008664	3008666	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
203556	3008659	3008662	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
209710	3008662	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
214670	3008659	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
227428	3008664	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
229763	3008663	3008664	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
234622	3008661	*	*	*	Tilly Lk	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
234623	3008661	*	*	*	Moss, Tilly Lk	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
238227	3008665	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
238904	3008664	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
238905	3008664	3008666	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
239604	3008662	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
246761	3008661	3008662	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
246896	3008664	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
247585	3008662	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
256873	3008665	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
270105	3008659	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
285410	3008665	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
289021	3008663	3008664	3008665	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
290681	3008661	3008662	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
294073	3008664	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
296371	3008663	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
299918	3008659	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
306119	3008664	3008665	3008666	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
306248	3008664	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
306923	3008659	3008662	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
313627	3008662	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
319511	3008661	*	*	*	Tilly Lk	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
325066	3008663	3008664	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
332534	3008659	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
335039	3008662	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
344338	3008665	*	*	*	Moss	Boundary Cell	2019-12-12	\$200	\$200	\$0	\$0
344960	3008664	*	*	*	Moss	Single Cell	2019-12-12	\$400	\$400	\$0	\$0
102994	3005724	*	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$0	\$0
118139	3005724	3008656	3008657	*	Moss	Boundary Cell	2020-06-26	\$200	\$200	\$0	\$0

Tenure ID	Legacy Claim 1	Legacy Claim 2	Legacy Claim 3	Legacy Claim 4	Township / Area	Tenure Type	Due Date	Work Required	Work Applied	Expl. Reserve	Total Reserve
118306	3005724	*	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$0	\$0
154330	3005724	*	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$669	\$669
170969	3005724	*	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$0	\$0
170970	3005724	*	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$0	\$0
170971	3005724	*	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$0	\$0
219687	3005724	*	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$0	\$0
227126	3005724	*	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$0	\$0
266199	3005724	3008657	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$0	\$0
273709	3005724	3008656	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$0	\$0
293736	3005724	*	*	*	Moss	Single Cell	2020-06-26	\$400	\$400	\$0	\$0
102457	3008663	4274936	*	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0
109001	4274937	*	*	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0
119590	3008663	4274936	4274937	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0
120283	4274937	*	*	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0
148311	4274937	*	*	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0
163002	3008663	3008664	4274937	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0
184291	4274937	*	*	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0
210493	4274936	*	*	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0
213642	4274936	4274937	*	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0
238903	3008664	4274937	*	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0
263107	4274936	4274937	*	*	Moss	Single Cell	2020-06-30	\$400	\$400	\$0	\$0

**APPENDIX 3**  
**ASSAY CERTIFICATES**



Date Submitted: 02-Jul-19  
Invoice No.: A19-08542  
Invoice Date: 17-Jul-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

18 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code UT-6 Total Digestion ICP & ICP/MS

REPORT      **A19-08542**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end, positioned above a horizontal line.

Emmanuel Esemé, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5  
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E-MAIL [Ancaster@actlabs.com](mailto:Ancaster@actlabs.com) ACTLABS GROUP WEBSITE [www.actlabs.com](http://www.actlabs.com)

Date Submitted: 02-Jul-19  
Invoice No.: A19-08542  
Invoice Date: 17-Jul-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

18 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A19-08542**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Esemé, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
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Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935101	26	31.6	2.80	1.38	8.86	1.96	2.03	0.2	104	73	694	4.48	4.5	60	59.9	1.8	2.7	0.6	0.24	3.31	19.6	1.68	0.26
A0935102	404	36.3	1.47	1.77	9.16	2.24	1.23	0.4	123	105	638	5.04	3.2	70	79.2	1.5	1.6	0.5	0.57	3.06	23.9	1.07	0.76
A0935103	81	30.7	2.20	1.76	9.09	1.76	1.52	0.1	116	110	605	4.81	3.2	40	82.0	1.5	1.6	0.5	0.16	2.46	21.4	1.05	0.18
A0935104	552	24.0	2.44	1.65	8.30	1.43	2.28	0.1	112	97	646	4.38	3.0	20	64.9	1.5	1.1	0.5	0.20	2.21	23.4	1.12	0.20
A0935105	6	29.8	2.37	2.59	8.74	1.54	3.76	0.1	156	94	1060	5.25	3.0	40	59.7	2.1	1.1	0.7	0.20	2.14	24.2	1.17	0.27
A0935106	29	21.9	2.57	1.55	8.48	1.36	1.92	< 0.1	95	111	689	3.99	3.4	30	59.6	1.3	1.2	0.4	0.17	2.30	18.4	0.99	0.16
A0935107	104	27.0	2.53	1.78	9.20	1.97	2.64	0.1	113	115	749	4.49	3.3	90	72.4	1.6	1.6	0.6	0.28	2.83	22.2	1.58	0.25
A0935108	92	33.3	2.34	1.92	9.24	1.61	1.69	0.3	124	154	715	4.61	3.3	70	77.7	1.5	1.8	0.5	0.40	2.50	23.4	0.95	0.22
A0935109	412	23.3	2.52	1.75	8.95	2.08	1.73	8.2	107	111	681	4.44	2.9	70	61.4	1.3	1.4	0.5	1.04	2.27	18.6	0.86	0.50
A0935110	217	24.6	2.71	1.82	9.56	1.74	1.79	0.6	115	96	801	4.57	1.4	60	69.2	1.4	1.6	0.5	0.37	2.51	20.4	1.09	0.27
A0935111	58	22.5	> 3.00	1.42	9.03	1.21	2.44	0.2	94	97	764	3.99	0.5	110	50.8	1.4	1.9	0.5	0.22	2.58	17.3	1.37	0.20
A0935112	208	43.4	> 3.00	1.16	> 10.0	2.91	2.36	0.2	99	80	836	4.62	4.8	40	38.9	1.9	3.9	0.7	0.29	2.61	12.6	2.73	0.16
A0935113	184	23.5	2.83	1.42	8.60	1.54	2.20	< 0.1	102	101	633	4.10	3.2	30	65.4	1.3	1.4	0.4	0.47	2.68	21.0	0.93	0.17
A0935114	301	24.7	1.88	1.71	8.22	2.21	2.06	0.3	122	105	708	4.46	3.1	50	59.4	1.5	1.3	0.5	1.09	2.34	19.0	1.00	0.29
A0935115	180	35.7	2.12	1.89	7.81	1.70	1.18	< 0.1	135	160	706	5.05	3.4	50	87.2	1.4	1.7	0.5	0.29	3.89	27.1	0.92	0.20
A0935116	19	36.3	> 3.00	0.85	> 10.0	3.29	2.10	0.2	71	48	799	3.65	5.9	60	28.2	2.3	3.8	0.9	0.39	2.63	9.6	3.38	0.22
A0935117	33	18.5	> 3.00	1.44	9.27	2.52	2.65	< 0.1	102	64	865	4.35	3.5	50	48.1	2.0	2.9	0.8	0.14	2.80	16.8	2.79	0.20
A0935118	14	15.7	2.70	1.86	8.37	2.44	3.66	< 0.1	120	47	1010	5.12	1.5	80	46.5	2.2	3.1	0.9	0.20	3.95	22.6	3.23	0.33



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935101	< 0.1	101	20.1	< 0.1	59.9	15.5	568	172	6.4	1.53	< 0.1	1	0.3	< 0.1	732	39.7	94.1	10.1	39.1	6.8	4.8	0.7	3.8
A0935102	0.2	142	22.4	1.3	66.9	13.3	234	117	4.7	1.87	< 0.1	1	0.2	0.1	730	26.8	62.3	6.7	25.7	4.3	3.5	0.5	3.0
A0935103	0.2	95.3	22.7	1.9	51.0	13.7	304	115	2.7	1.13	< 0.1	1	0.2	< 0.1	604	27.0	63.4	6.7	25.1	4.6	3.4	0.5	3.1
A0935104	< 0.1	74.6	19.4	3.3	45.2	13.2	377	106	5.1	1.43	< 0.1	< 1	0.2	< 0.1	448	23.9	54.9	6.0	21.9	4.1	3.4	0.5	3.0
A0935105	0.3	117	20.9	6.5	53.1	18.8	459	116	5.0	0.96	< 0.1	< 1	0.1	< 0.1	397	21.6	50.9	6.0	23.0	4.4	3.7	0.6	3.8
A0935106	0.1	74.6	20.8	0.8	47.1	11.8	431	125	4.6	2.43	< 0.1	< 1	0.2	< 0.1	497	26.2	57.2	6.3	23.6	4.3	3.1	0.4	2.5
A0935107	0.2	104	24.3	2.1	66.2	15.8	472	123	6.0	1.22	< 0.1	1	0.3	< 0.1	637	52.2	111	12.4	45.0	8.1	5.1	0.6	3.6
A0935108	0.8	205	25.0	1.2	60.5	14.4	402	128	5.8	1.58	< 0.1	1	0.3	< 0.1	614	26.5	65.3	7.1	24.8	3.8	3.4	0.5	2.7
A0935109	1.1	988	22.7	0.7	62.5	12.1	421	113	5.5	1.21	< 0.1	1	0.2	0.5	546	24.2	57.1	6.3	22.7	3.9	3.0	0.4	2.7
A0935110	0.6	223	25.5	0.4	54.9	13.8	476	86	5.5	1.47	< 0.1	1	0.2	< 0.1	670	30.8	70.5	8.0	27.7	5.3	3.6	0.5	2.8
A0935111	0.6	163	22.1	0.1	43.0	14.2	653	45	5.2	1.32	< 0.1	1	0.2	< 0.1	583	34.5	77.4	9.0	31.9	4.4	4.0	0.5	2.9
A0935112	0.5	121	31.5	< 0.1	72.0	19.7	965	227	13.4	1.05	< 0.1	2	0.3	< 0.1	1160	74.2	180	20.3	73.7	10.0	7.9	0.8	4.2
A0935113	0.5	76.1	21.7	1.6	48.1	12.0	597	118	5.6	1.34	< 0.1	1	0.1	0.1	543	22.0	54.1	5.5	18.9	3.6	2.8	0.4	2.5
A0935114	0.4	128	21.5	2.1	67.5	13.8	784	113	5.0	1.83	< 0.1	< 1	0.2	0.6	742	23.6	54.9	6.2	23.3	4.2	3.4	0.5	2.9
A0935115	0.5	81.6	27.5	1.0	60.9	11.9	395	126	6.5	1.65	< 0.1	1	0.2	< 0.1	912	23.1	58.2	6.2	22.1	4.6	3.1	0.4	2.5
A0935116	0.3	123	31.8	< 0.1	81.0	24.0	> 1000	325	30.6	1.22	< 0.1	1	0.2	< 0.1	1410	149	320	31.2	104	14.8	9.6	1.0	5.1
A0935117	0.4	89.0	28.6	< 0.1	64.0	20.2	> 1000	191	5.3	1.37	< 0.1	< 1	0.1	< 0.1	1320	59.8	146	16.8	62.0	11.3	7.4	0.9	4.7
A0935118	< 0.1	109	28.4	< 0.1	61.7	25.0	> 1000	107	0.9	1.13	< 0.1	< 1	< 0.1	< 0.1	1420	58.6	151	17.6	68.8	12.3	8.9	1.1	5.5

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0935101	46.8	0.2	0.2	1.6	0.3	0.4	2.1	< 0.001	0.63	30.0	14	8.2	2.3	0.325	0.078	0.34
A0935102	64.8	0.2	0.2	1.5	0.2	0.3	3.1	0.001	0.65	66.4	18	8.3	2.4	0.347	0.068	0.37
A0935103	41.3	0.4	0.2	1.4	0.2	0.1	0.6	0.001	0.52	16.5	18	8.3	2.3	0.349	0.073	0.25
A0935104	60.1	0.1	0.2	1.5	0.2	0.4	3.1	< 0.001	0.41	11.9	17	6.1	1.8	0.333	0.074	0.30
A0935105	42.7	0.3	0.3	2.1	0.3	0.3	1.2	< 0.001	0.37	19.4	20	4.8	1.3	0.390	0.088	0.22
A0935106	37.1	0.3	0.2	1.3	0.2	0.3	1.5	< 0.001	0.40	13.8	14	7.0	2.0	0.304	0.070	0.29
A0935107	46.8	0.3	0.2	1.5	0.2	0.3	1.5	0.001	0.51	32.9	15	7.9	2.3	0.322	0.098	0.38
A0935108	64.5	0.1	0.2	1.5	0.2	0.4	3.0	0.001	0.49	52.1	17	7.6	2.2	0.329	0.071	0.58
A0935109	75.3	< 0.1	0.2	1.3	0.2	0.4	2.5	0.001	0.39	267	14	7.6	2.0	0.303	0.068	0.72
A0935110	55.4	< 0.1	0.2	1.4	0.2	0.3	2.3	0.002	0.46	71.4	15	8.1	2.3	0.330	0.074	0.53
A0935111	49.5	< 0.1	0.2	1.4	0.2	< 0.1	1.6	0.001	0.44	16.9	12	7.7	2.1	0.288	0.063	0.49
A0935112	38.1	< 0.1	0.3	1.7	0.3	0.7	1.7	< 0.001	0.65	19.6	10	13.9	1.9	0.315	0.086	0.45
A0935113	49.4	< 0.1	0.2	1.3	0.2	0.4	1.9	0.001	0.49	15.3	13	6.0	1.7	0.309	0.069	0.51
A0935114	47.4	< 0.1	0.2	1.5	0.2	0.4	2.8	< 0.001	0.62	70.7	17	6.5	1.7	0.341	0.072	0.61
A0935115	47.0	0.2	0.2	1.4	0.2	0.5	3.5	0.001	0.70	15.3	17	6.9	2.3	0.374	0.073	0.40
A0935116	11.6	< 0.1	0.3	2.1	0.3	1.3	1.6	< 0.001	0.93	33.9	7	14.3	7.8	0.226	0.081	0.40
A0935117	26.0	0.1	0.3	1.8	0.3	0.2	1.1	< 0.001	0.61	16.8	12	8.9	3.5	0.269	0.149	0.24
A0935118	42.4	< 0.1	0.3	2.2	0.3	< 0.1	1.2	0.003	0.68	19.1	15	9.2	2.6	0.250	0.234	0.26

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		32.5	1.46	0.87	8.31	1.64	1.01		58	58	872	4.65	1.3	130	32.6	3.6	2.9	1.2		3.66	16.9	1.51	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
SDC-1 Meas		34.7	1.51	0.99	8.84	1.62	0.99		30	45	863	4.59	0.8	80	33.4	3.8	2.9	1.2		3.73	17.6	1.50	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
Oreas 72a (4 Acid Digest) Meas										167		9.05			> 5000							151	
Oreas 72a (4 Acid Digest) Cert										228		9.63			6930.00							157	
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																			45.2		130		82.9
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas		4.2	1.37				7.67		142	136		6.60			246						52.3	0.53	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.4	1.38				7.70		140	140		6.65			257						55.0	0.61	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
OREAS 13b (4-Acid) Meas										> 5000					1920				0.86		68.8		
OREAS 13b (4-Acid) Cert										8650.00					2247.000				0.86		75		
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		157						0.3	228	105			3.5		80.0	3.7	3.2	1.3		8.00	21.3	1.85	0.71
SBC-1 Cert		163						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 96 (4 Acid) Meas																			10.3		46.2		25.0
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 923 (4 Acid) Meas																							



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas		13.1	1.32	0.46	7.01	2.11	2.06	272	34	32	494	3.72	4.5		25.4		1.7		61.5	3.05	28.1		3.83
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas		13.6	1.35	0.53	7.29	2.09	1.98	275	35	28	542	3.86	4.6		27.3		1.9		63.4	3.08	30.4		3.89
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 520 (4 Acid) Meas		15.0	1.32	1.11	5.61	3.38	3.93		243	43	2270	16.0	3.3		72.9	2.3	1.0	0.8	0.41	0.70	183	1.28	2.86
OREAS 520 (4 Acid) Cert		16.9	1.35	1.19	5.63	3.46	4.10		257	36.4	2420	16.4	3.53		76.0	2.21	1.06	0.760	0.450	0.800	203	1.29	2.94
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 221 (Fire Assay) Meas	1090																						
Oreas 221 (Fire Assay) Cert	1060																						
Oreas 221 (Fire Assay) Meas	1050																						
Oreas 221 (Fire Assay) Cert	1060																						
OREAS 255 (Fire Assay) Meas	4190																						
OREAS 255 (Fire Assay) Cert	4080																						
A0935105 Orig		29.8	2.40	2.60	8.77	1.59	3.82	0.2	157	94	1070	5.27	3.1	40	59.4	2.1	1.1	0.7	0.21	2.18	24.1	1.17	0.28
A0935105 Dup		29.8	2.34	2.59	8.72	1.49	3.71	0.1	154	94	1040	5.24	3.0	50	60.0	2.1	1.1	0.7	0.19	2.09	24.4	1.18	0.26
A0935110 Orig	209																						
A0935110 Dup	224																						
A0935114 Orig		24.9	1.95	1.74	8.37	2.66	2.07	0.3	124	113	724	4.52	3.1	40	59.9	1.5	1.4	0.5	1.37	2.35	19.3	0.97	0.31
A0935114 Dup		24.5	1.81	1.68	8.08	1.77	2.05	0.3	120	97	692	4.41	3.0	60	58.8	1.5	1.3	0.5	0.81	2.34	18.7	1.03	0.26
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	3	2	< 0.01	< 0.1	90	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	0.08
Method Blank																							
Method Blank																							

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	2	3	5	< 0.01	< 0.1	100	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	0.09
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	2	1	< 0.01	< 0.1	80	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	0.07
Method Blank	< 5																						
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3	3	< 0.01	< 0.1	90	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	0.08

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		104	21.6	< 0.1	72.7		166	44	0.1			< 1	< 0.1		561	37.6	94.3		39.4	7.7	6.4	1.0	6.6
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas		103	24.9	< 0.1	63.3		171	26	0.1			< 1	< 0.1		605	39.6	94.2		40.6	7.2	7.1	1.1	6.6
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
Oreas 72a (4 Acid Digest) Meas				1.6																			
Oreas 72a (4 Acid Digest) Cert				14.7																			
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas	178	1400										> 200	7.6										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas		63.6	13.9		3.1	14.6	135	35	1.4				0.8		91	3.2			4.7				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		65.4	15.1		3.3	15.9	145	39	2.0				0.8		97	3.6			5.0				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
OREAS 13b (4-Acid) Meas		118		48.2						8.37													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		196	30.9	23.6	127	30.1	174	120	14.9	1.99		3	1.0		743	48.3	111	12.5	48.6	9.0	7.4	1.2	7.0
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 96 (4 Acid) Meas	37.3	420										59	2.7										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 923 (4 Acid) Meas																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas	4.1	> 10000	23.3	56.9	66.9	12.0	56.0	172	8.6	12.1	1.6	5	16.8			16.4	47.8						0.5
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6						0.460
OREAS 621 (4 Acid) Meas	4.9	> 10000	28.5	68.1	72.2	12.5	66.6	182	9.4	13.4	1.6	5	18.4			19.0	49.7						0.5
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6						0.460
OREAS 520 (4 Acid) Meas	0.5	25.8	20.7	71.1	98.7	20.0	91.5	139	0.5	43.0	0.1	4	0.9	< 0.1		71.0	79.9	6.4	22.0	3.9	3.9	0.6	3.9
OREAS 520 (4 Acid) Cert	1.76	22.7	18.7	153	111	20.8	104	134	5.68	65.0	0.110	4.76	3.21	0.360		85.0	86.0	6.69	22.1	4.02	4.08	0.640	3.66
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 221 (Fire Assay) Meas																							
Oreas 221 (Fire Assay) Cert																							
Oreas 221 (Fire Assay) Meas																							
Oreas 221 (Fire Assay) Cert																							
OREAS 255 (Fire Assay) Meas																							
OREAS 255 (Fire Assay) Cert																							
A0935105 Orig	0.3	113	20.9	5.8	54.6	19.0	464	117	5.3	0.98	< 0.1	1	0.1	< 0.1	404	21.9	51.1	6.0	23.0	4.5	3.8	0.6	3.9
A0935105 Dup	0.4	122	20.9	7.3	51.7	18.6	454	116	4.7	0.94	< 0.1	< 1	0.1	0.2	390	21.3	50.8	6.0	23.0	4.3	3.7	0.6	3.7
A0935110 Orig																							
A0935110 Dup																							
A0935114 Orig	0.4	133	22.4	2.2	76.2	14.0	799	115	5.1	1.98	< 0.1	1	0.2	0.7	753	23.8	54.7	6.3	23.4	3.9	3.5	0.5	2.9
A0935114 Dup	0.3	123	20.6	2.0	58.9	13.6	769	111	4.8	1.67	< 0.1	< 1	0.2	0.4	731	23.3	55.1	6.2	23.2	4.4	3.3	0.5	2.9
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	0.6	0.3	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank																							
Method Blank	0.1	2.5	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank	0.3	< 0.2	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank	0.3	0.6	0.1	1.9	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.08	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
SDC-1 Meas	26.6		0.5	3.3		< 0.1	< 0.1		0.62	24.0	15	11.6	2.7	0.235	0.060	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
SDC-1 Meas	28.1		0.5	3.4		< 0.1	< 0.1		0.63	25.0	16	11.8	2.7	0.0831	0.059	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
Oreas 72a (4 Acid Digest) Meas	302															1.68
Oreas 72a (4 Acid Digest) Cert	316															1.74
OREAS 101b (4 Acid) Meas														0.345	0.115	
OREAS 101b (4 Acid) Cert														0.35		
OREAS 98 (4 Acid) Meas	> 10000									309						15.4
OREAS 98 (4 Acid) Cert	14800 0.0									345						15.5
OREAS 98 (4 Acid) Meas																15.0
OREAS 98 (4 Acid) Cert																15.5
DNC-1a Meas	88.2			1.9						5.6	29			0.258		
DNC-1a Cert	100			2.0						6.3	31			0.29		
DNC-1a Meas	93.8			1.9						5.7	30			0.269		
DNC-1a Cert	100			2.0						6.3	31			0.29		
OREAS 13b (4-Acid) Meas	1910															1.19
OREAS 13b (4-Acid) Cert	2327.0 000															1.2
OREAS 904 (4 ACID) Meas											12			0.113	0.06	
OREAS 904 (4 ACID) Cert											11.2			0.0980	0.0630	
SBC-1 Meas	25.6		0.5	3.4	0.5	1.0	1.6		0.89	35.8	21	15.1	5.6	0.477		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SBC-1 Meas											21			0.481		
SBC-1 Cert											20.0			0.51		
OREAS 45d (4-Acid) Meas											51			0.104	0.036	0.04
OREAS 45d (4-Acid) Cert											49.30			0.773	0.042	0.049
OREAS 96 (4 Acid) Meas	> 10000									92.0						4.20
OREAS 96 (4 Acid) Cert	39300									101						4.19
OREAS 923 (4 Acid) Meas											13			0.399	0.068	0.73

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
OREAS 923 (4 Acid) Cert											13.1			0.405	0.0630	0.691
OREAS 621 (4 Acid) Meas	3430			1.1	0.1		2.0		2.05	> 5000	7	4.0	2.8	0.171	0.038	4.66
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 621 (4 Acid) Meas	3580			1.0	0.2		2.0		2.00	> 5000	7	5.1	2.8	0.180	0.038	4.78
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 520 (4 Acid) Meas	2670		0.3	2.1	0.3	< 0.1	1.4	0.023	0.25	5.9	16	8.4	17.5	0.323	0.068	0.93
OREAS 520 (4 Acid) Cert	2930		0.310	2.20	0.340	0.470	43.8	0.0310	0.260	5.85	17.0	9.62	17.9	0.445	0.0740	1.01
OREAS 522 (4 Acid) Meas											10			0.294	0.087	2.36
OREAS 522 (4 Acid) Cert											10.9			0.344	0.0890	2.50
OREAS 522 (4 Acid) Meas											10			0.305	0.087	2.35
OREAS 522 (4 Acid) Cert											10.9			0.344	0.0890	2.50
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
OREAS 255 (Fire Assay) Meas																
OREAS 255 (Fire Assay) Cert																
A0935105 Orig	42.5	0.3	0.3	2.0	0.3	0.4	1.3	0.003	0.38	19.7	20	4.9	1.3	0.390	0.088	0.21
A0935105 Dup	42.9	0.3	0.3	2.1	0.3	0.2	1.2	< 0.001	0.36	19.2	20	4.7	1.3	0.391	0.089	0.22
A0935110 Orig																
A0935110 Dup																
A0935114 Orig	48.2	0.1	0.2	1.6	0.2	0.4	2.8	0.001	0.64	70.6	17	6.4	1.7	0.345	0.073	0.62
A0935114 Dup	46.5	< 0.1	0.2	1.5	0.2	0.4	2.8	< 0.001	0.61	70.9	17	6.5	1.7	0.338	0.071	0.60
Method Blank																
Method Blank																
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	4.9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank											< 1			0.0008	< 0.001	< 0.01

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			0.0079	< 0.001	< 0.01
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	0.5		< 0.1	< 0.1			
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	0.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank																
Method Blank											< 1			< 0.0005	< 0.001	0.02
Method Blank	0.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.002	< 0.05	< 0.5		< 0.1	< 0.1			



Date Submitted: 09-Jul-19  
Invoice No.: A19-08851  
Invoice Date: 01-Aug-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

24 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A19-08851**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized with a large, sweeping 'E' and 'S'.

Emmanuel Esemé, Ph.D.  
Quality Control

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Date Submitted: 09-Jul-19  
Invoice No.: A19-08851  
Invoice Date: 01-Aug-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

24 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code UT-6 Total Digestion ICP & ICP/MS

REPORT      **A19-08851**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



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Quality Control

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Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935119	30	22.6	> 3.00	1.06	7.14	1.98	2.44	0.1	85	79	856	3.80	3.6	80	47.2	1.9	2.5	0.6	0.34	1.52	14.4	2.26	0.22
A0935120	38	36.4	2.39	1.69	8.61	2.18	2.13	< 0.1	125	153	767	4.77	3.2	80	82.5	1.6	1.6	0.5	0.20	3.14	24.3	0.96	0.18
A0935121	24	25.7	> 3.00	1.45	8.18	2.20	3.61	< 0.1	115	123	886	5.07	4.2	70	54.6	1.6	2.1	0.6	0.32	4.02	22.8	1.94	0.54
A0935122	< 5	23.2	> 3.00	1.00	8.87	2.67	3.68	0.2	77	30	936	3.89	3.0	80	22.6	1.9	3.9	0.7	0.12	3.91	13.9	2.71	0.14
A0935123	16	40.9	2.02	1.74	7.78	2.46	2.22	0.1	117	100	671	4.44	3.1	70	70.9	1.5	1.7	0.5	0.31	2.46	24.1	1.15	0.34
A0935124	10	26.1	2.16	1.51	6.99	2.90	3.11	< 0.1	112	121	719	4.44	3.6	60	67.6	1.6	1.4	0.5	0.27	3.48	22.3	1.35	0.23
A0935125	10	28.8	2.36	1.92	8.41	2.39	1.99	< 0.1	125	108	711	4.63	3.0	70	79.6	1.6	1.4	0.5	0.23	3.09	25.0	0.97	0.22
A0935126	< 5	27.5	2.76	1.73	7.74	1.87	2.20	< 0.1	95	109	623	4.00	3.1	40	65.4	1.1	1.2	0.4	0.16	2.46	20.5	0.79	0.19
A0935127	< 5	27.8	2.50	1.74	7.72	1.95	1.95	< 0.1	101	112	624	4.09	3.3	40	70.9	1.4	1.4	0.4	0.25	2.50	20.3	0.92	0.18
A0935128	< 5	23.2	2.65	1.71	8.28	1.91	2.38	0.1	100	116	609	3.98	3.2	30	68.8	1.1	1.2	0.4	0.17	2.01	19.5	0.87	0.23
A0935129	6	24.7	> 3.00	1.64	7.43	1.98	2.80	< 0.1	98	118	709	3.94	3.0	60	67.6	1.0	1.5	0.3	0.26	2.92	19.5	0.76	0.19
A0935130	< 5	28.7	> 3.00	1.53	8.56	1.89	2.60	0.1	103	106	876	4.18	4.4	60	57.0	1.7	2.7	0.6	0.23	2.86	18.4	1.59	0.17
A0935131	< 5	31.5	2.22	1.62	7.40	2.30	3.73	0.2	115	104	805	4.28	2.9	80	69.3	1.9	1.9	0.7	0.24	2.70	21.1	2.08	0.19
A0935132	232	28.6	2.94	1.24	8.58	2.83	4.32	0.1	112	25	804	4.42	3.7	70	16.0	2.3	1.8	0.8	0.25	2.96	12.6	1.31	0.10
A0935133	180	21.6	2.85	0.87	7.24	2.53	4.51	< 0.1	92	8	754	3.91	3.4	60	2.1	1.9	1.3	0.6	0.18	2.44	8.1	0.95	0.04
A0935134	54	30.1	> 3.00	0.71	6.53	3.05	3.42	< 0.1	82	5	800	3.66	4.3	70	1.3	1.7	2.8	0.6	0.23	2.16	8.2	1.30	0.10
A0935135	149	31.6	> 3.00	1.53	7.62	2.81	2.79	< 0.1	130	88	687	4.51	3.9	70	56.3	2.0	2.9	0.6	0.23	3.43	18.5	1.25	0.17
A0935136	24	30.9	> 3.00	1.59	8.03	2.81	1.83	0.1	116	91	697	4.41	4.2	70	68.2	1.1	2.9	0.4	0.28	4.54	20.2	0.98	0.14
A0935137	37	29.3	> 3.00	1.64	6.78	2.34	2.93	0.2	108	91	645	4.08	3.1	70	57.0	1.4	2.3	0.5	0.23	3.20	19.7	1.01	0.15
A0935138	439	30.5	> 3.00	0.88	7.54	2.02	3.94	1.8	79	30	829	3.61	3.7	80	13.2	2.0	2.4	0.7	0.41	2.12	9.4	1.58	0.27
A0935139	55	24.2	> 3.00	0.77	7.14	2.53	4.04	< 0.1	82	6	943	3.68	3.6	70	1.3	1.8	1.8	0.6	0.20	2.13	7.5	1.08	0.04
A0935140	66	24.1	> 3.00	0.88	7.20	2.51	4.29	< 0.1	91	5	891	3.79	3.3	70	1.4	1.9	1.8	0.6	0.21	2.43	9.6	0.98	0.09
A0935141	46	11.7	> 3.00	0.80	7.55	2.65	4.02	< 0.1	84	4	995	3.88	2.7	70	1.4	2.5	2.3	0.8	0.17	1.33	8.3	1.69	0.10
A0935142	135	22.9	2.78	1.41	9.01	2.10	3.26	< 0.1	103	66	818	4.36	3.3	80	41.4	1.9	1.4	0.6	0.14	2.67	15.4	1.15	0.10

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935119	1.5	78.7	21.0	2.9	44.5	17.5	699	166	13.5	1.63	< 0.1	1	0.4	< 0.1	311	107	257	21.0	77.7	9.1	7.2	0.8	3.4
A0935120	1.6	64.2	22.2	4.3	67.3	12.7	391	124	5.8	1.75	< 0.1	1	0.2	< 0.1	674	25.2	56.6	5.8	23.1	4.4	3.4	0.5	2.5
A0935121	1.3	75.8	21.5	< 0.1	67.1	15.0	> 1000	189	6.9	1.77	< 0.1	1	0.2	< 0.1	521	50.1	128	12.4	52.0	7.6	6.1	0.7	3.4
A0935122	1.2	105	20.1	< 0.1	77.6	17.1	> 1000	183	2.2	0.94	< 0.1	< 1	0.1	< 0.1	1160	74.4	177	18.6	75.5	12.0	8.1	0.9	3.7
A0935123	1.7	76.8	19.2	1.7	79.7	13.9	432	117	6.6	2.53	< 0.1	1	0.2	< 0.1	461	32.2	71.2	7.3	29.4	4.9	4.1	0.6	2.8
A0935124	1.3	58.5	18.2	2.6	79.8	13.4	893	131	6.3	1.56	< 0.1	1	0.3	< 0.1	403	36.4	87.0	9.0	37.5	6.0	4.8	0.6	2.9
A0935125	1.4	85.2	19.7	2.3	70.6	12.9	376	111	4.7	1.22	< 0.1	1	0.1	< 0.1	617	24.8	55.3	5.9	23.4	3.8	3.4	0.5	2.6
A0935126	1.6	63.6	18.5	1.6	56.3	9.2	379	120	4.4	1.25	< 0.1	< 1	< 0.1	< 0.1	567	18.7	46.4	4.4	17.3	3.1	2.6	0.4	1.8
A0935127	1.2	76.9	18.5	0.8	62.1	11.0	377	125	5.1	1.29	< 0.1	< 1	< 0.1	< 0.1	612	25.8	58.1	5.9	23.1	4.2	3.1	0.5	2.2
A0935128	1.2	65.5	18.7	0.5	57.8	10.5	435	117	4.6	1.60	< 0.1	< 1	< 0.1	< 0.1	516	23.4	54.1	5.5	21.6	4.0	3.1	0.4	2.0
A0935129	1.2	64.5	18.5	0.4	57.5	8.8	408	112	4.6	1.17	< 0.1	< 1	< 0.1	< 0.1	483	20.4	52.3	4.6	17.8	2.8	2.6	0.3	1.7
A0935130	1.6	80.6	20.5	< 0.1	64.3	16.2	647	190	8.1	1.38	< 0.1	1	0.2	< 0.1	751	41.6	97.5	10.4	40.1	7.3	5.1	0.7	3.4
A0935131	1.5	87.4	18.9	< 0.1	66.8	18.2	995	122	5.5	3.40	< 0.1	1	0.2	< 0.1	687	55.2	132	14.1	57.4	9.5	7.0	0.9	3.7
A0935132	2.0	73.7	21.2	< 0.1	72.9	19.4	666	157	7.7	3.25	< 0.1	1	0.2	< 0.1	425	33.7	85.4	8.4	34.7	5.7	4.5	0.7	3.5
A0935133	1.2	39.1	19.5	< 0.1	59.7	15.1	436	134	5.2	0.25	< 0.1	< 1	0.1	< 0.1	642	18.6	50.1	5.0	21.8	3.9	3.5	0.5	2.7
A0935134	1.4	52.4	20.7	< 0.1	56.5	14.3	834	193	10.1	0.42	< 0.1	1	0.1	< 0.1	508	28.8	81.5	7.8	32.5	5.8	4.2	0.6	2.8
A0935135	1.8	59.6	23.5	< 0.1	53.4	16.7	552	161	9.0	3.33	< 0.1	1	0.2	< 0.1	464	29.2	73.6	7.2	29.1	5.6	4.3	0.6	2.9
A0935136	1.4	89.8	22.5	< 0.1	59.9	11.0	654	202	12.8	2.18	< 0.1	1	< 0.1	< 0.1	832	23.7	68.2	5.9	23.8	4.4	3.4	0.4	2.1
A0935137	1.5	68.6	19.8	0.2	54.8	13.4	387	122	6.6	2.67	< 0.1	1	0.1	< 0.1	399	24.2	61.0	5.6	21.7	4.2	3.4	0.5	2.4
A0935138	1.4	134	21.1	< 0.1	48.8	17.7	843	174	11.1	0.77	< 0.1	1	0.1	< 0.1	344	35.9	97.1	9.9	39.7	6.5	5.0	0.7	3.3
A0935139	1.8	43.3	21.0	< 0.1	55.9	15.6	474	165	8.4	0.45	< 0.1	< 1	0.2	< 0.1	511	21.4	56.7	6.0	24.4	4.2	3.6	0.5	2.7
A0935140	1.6	34.7	20.4	< 0.1	61.4	15.8	371	141	5.8	0.28	< 0.1	< 1	0.1	< 0.1	408	17.8	46.9	5.1	21.7	3.8	3.5	0.5	2.8
A0935141	1.7	51.6	20.1	0.2	62.3	21.3	976	161	7.8	0.96	< 0.1	1	0.2	< 0.1	345	35.9	94.1	10.0	40.5	6.9	5.8	0.8	3.8
A0935142	1.3	51.6	21.4	< 0.1	72.0	16.2	533	133	4.3	1.33	< 0.1	< 1	0.1	< 0.1	540	30.2	64.9	7.1	28.2	4.8	3.9	0.6	2.9



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0935119	31.2	< 0.1	0.2	1.8	0.2	0.5	2.3	< 0.001	0.45	17.1	9	12.8	2.5	0.294	0.095	0.67
A0935120	54.6	< 0.1	0.2	1.6	0.2	0.3	2.1	< 0.001	0.58	7.6	17	6.3	1.9	0.354	0.071	0.28
A0935121	68.5	< 0.1	0.2	1.5	0.2	0.3	2.3	< 0.001	0.56	13.1	11	6.8	2.4	0.388	0.192	0.59
A0935122	12.4	< 0.1	0.2	1.5	0.2	< 0.1	0.8	< 0.001	0.72	19.2	7	6.9	2.1	0.256	0.165	0.23
A0935123	55.2	< 0.1	0.2	1.6	0.2	0.4	2.1	< 0.001	0.49	11.3	16	6.5	1.9	0.363	0.088	0.62
A0935124	64.9	< 0.1	0.2	1.6	0.2	0.4	2.0	< 0.001	0.59	8.9	14	6.1	2.1	0.347	0.141	0.61
A0935125	53.6	0.2	0.2	1.6	0.2	0.2	0.8	< 0.001	0.52	10.9	19	6.0	1.8	0.370	0.078	0.41
A0935126	39.2	0.4	0.1	1.2	0.1	0.1	1.1	< 0.001	0.45	12.3	13	4.7	1.6	0.317	0.078	0.25
A0935127	38.4	0.4	0.2	1.3	0.2	0.2	0.8	< 0.001	0.46	10.4	15	5.9	2.1	0.341	0.082	0.25
A0935128	46.6	0.2	0.2	1.3	0.2	0.3	1.0	< 0.001	0.41	11.5	15	5.5	2.1	0.344	0.078	0.30
A0935129	38.9	0.2	0.1	1.1	0.1	0.1	0.6	< 0.001	0.48	10.0	13	3.8	1.3	0.335	0.076	0.35
A0935130	42.6	< 0.1	0.2	1.8	0.2	0.4	1.6	< 0.001	0.56	12.7	12	6.6	1.9	0.347	0.083	0.38
A0935131	44.3	< 0.1	0.2	1.9	0.2	0.2	2.1	0.001	0.52	17.2	15	5.7	1.6	0.313	0.164	0.50
A0935132	130	< 0.1	0.3	2.7	0.4	0.4	2.4	< 0.001	0.51	12.6	9	3.4	1.1	0.331	0.126	0.57
A0935133	7.4	0.1	0.3	2.2	0.3	0.2	2.1	< 0.001	0.44	6.5	5	2.3	0.5	0.298	0.118	0.50
A0935134	19.9	< 0.1	0.2	2.0	0.2	0.5	2.4	< 0.001	0.56	11.6	3	2.2	0.7	0.295	0.103	0.59
A0935135	39.9	< 0.1	0.3	2.2	0.3	0.5	2.7	0.001	0.64	9.5	11	5.5	1.1	0.350	0.098	0.65
A0935136	34.8	< 0.1	0.2	1.3	0.2	0.6	1.2	< 0.001	0.78	12.0	13	4.6	1.4	0.301	0.078	0.31
A0935137	33.6	< 0.1	0.2	1.6	0.2	0.4	2.2	< 0.001	0.45	9.3	11	4.4	1.0	0.333	0.097	0.69
A0935138	10.1	< 0.1	0.3	2.2	0.3	0.4	2.2	< 0.001	0.47	13.7	5	2.9	1.0	0.265	0.121	0.67
A0935139	3.9	< 0.1	0.3	2.2	0.3	0.3	2.1	< 0.001	0.54	7.3	4	2.3	0.6	0.277	0.103	0.53
A0935140	6.9	< 0.1	0.3	2.2	0.3	0.3	2.4	< 0.001	0.48	6.6	5	2.4	0.5	0.294	0.116	0.73
A0935141	5.2	< 0.1	0.3	2.6	0.3	0.2	1.9	< 0.001	0.58	10.1	5	3.4	0.9	0.290	0.120	0.76
A0935142	22.3	< 0.1	0.3	2.1	0.3	< 0.1	1.7	< 0.001	0.46	7.2	12	5.3	1.5	0.324	0.094	0.29



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-4 Meas		11.4	0.53	1.67	6.66	3.22	1.09	0.3	88	47	144	3.10	1.1	140	39.8		2.2		3.68	2.73	14.5	1.30	17.1
GXR-4 Cert		11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0
GXR-4 Meas		10.3	0.53	1.62	6.23	3.65	1.00	0.3	82	44	140	2.90	1.2	< 10	36.9		1.9		3.54	2.44	13.7	1.29	18.1
GXR-4 Cert		11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0
GXR-4 Meas		10.6	0.53	1.63	6.17	2.78	0.97	0.3	81	46	144	2.85	1.2	< 10	36.4		2.0		3.48	2.42	13.5	1.39	17.9
GXR-4 Cert		11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0
GXR-4 Meas		10.3	0.52	1.59	6.42	4.40	0.90	0.1	86	52	155	2.94	1.1	< 10	38.6		1.9		3.37	2.51	13.2	1.23	18.5
GXR-4 Cert		11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0
SDC-1 Meas		34.0	1.51	0.92	7.62	2.47	0.94		27	39	802	4.37	0.8	60	30.6	3.5	2.7	1.2		3.70	16.8	1.51	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
SDC-1 Meas		32.8	1.46	0.95	7.93	2.41	1.02		41	54	827	4.67	1.0	90	34.3	3.8	2.8	1.2		3.78	17.9	1.35	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
GXR-6 Meas		38.3	0.11	0.56	> 10.0	1.91	0.19	0.1	128	64	1050	5.50	2.1	110	24.8		1.1		0.33	4.02	12.9	0.53	0.16
GXR-6 Cert		32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290
GXR-6 Meas		34.5	0.10	0.56	> 10.0	1.64	0.16	< 0.1	117	50	934	4.86	2.3	60	21.1		1.0		0.30	3.89	12.3	0.59	0.17
GXR-6 Cert		32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290
GXR-6 Meas		36.1	0.11	0.56	> 10.0	1.71	0.17	0.2	114	62	1010	5.30	2.1	90	22.8		1.1		0.31	3.63	13.6	0.53	0.19
GXR-6 Cert		32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290
GXR-6 Meas		37.8	0.11	0.63	> 10.0	2.06	0.21	0.1	142	60	1030	5.38	2.5	20	23.7		1.1		0.29	4.00	13.3	0.54	0.18
GXR-6 Cert		32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290
OREAS 97 (4 Acid) Meas																			20.1		69.3		38.3
OREAS 97 (4 Acid) Cert																			19.6		62.9		40.1
OREAS 97 (4 Acid) Meas																			19.4		67.9		39.1
OREAS 97 (4 Acid) Cert																			19.6		62.9		40.1
OREAS 97 (4 Acid) Meas																			18.6		65.3		37.5
OREAS 97 (4 Acid) Cert																			19.6		62.9		40.1
OREAS 98 (4 Acid) Meas																			45.8		120		89.6
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
OREAS 98 (4 Acid) Meas																			44.3		127		80.8
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
OREAS 98 (4 Acid) Meas																			44.9		133		82.6
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
DNC-1a Meas		4.7	1.38				8.10		151	213		6.64			252						53.7	0.52	

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.5	1.44				8.07		134	148		6.51			239						55.8	0.52	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.4	1.38				8.17		133	209		6.63			251						57.7	0.52	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.4	1.44				9.05		151	169		7.40			291						61.9	0.53	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
OREAS 13b (4-Acid) Meas												> 5000			2250				0.93		78.2		
OREAS 13b (4-Acid) Cert												8650.0 00			2247.0 000				0.86		75		
OREAS 13b (4-Acid) Meas												> 5000			2310				0.91		79.2		
OREAS 13b (4-Acid) Cert												8650.0 00			2247.0 000				0.86		75		
SBC-1 Meas		172						0.2	226	78				3.4	80.8	3.5	3.4	1.2		7.81	20.6	1.71	0.64
SBC-1 Cert		163						0.40	220.0	109				3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
SBC-1 Meas		159						0.4	243	85				3.4	83.7	3.5	3.2	1.2		7.92	23.6	1.69	0.71
SBC-1 Cert		163						0.40	220.0	109				3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
SBC-1 Meas		162						0.4	217	111				3.5	84.2	3.6	2.9	1.2		7.85	22.2	1.72	0.69
SBC-1 Cert		163						0.40	220.0	109				3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
OREAS 45d (4-Acid) Meas		21.7	0.10	0.21	8.02	0.40	0.19		117	572	519	14.9	1.6		245	1.3	0.8	0.5		3.68	30.4	0.54	0.30
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas		21.7	0.10	0.22	7.85	0.41	0.19		143	606	508	14.2	3.0		221	1.3	0.8	0.4		3.41	29.7	0.56	0.32
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas		20.6	0.10	0.21	7.41	0.38	0.18		108	551	495	13.6	1.7		214	1.3	0.8	0.4		3.44	28.5	0.56	0.33
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas		20.5	0.09	0.24	8.67	0.47	0.18		114	569	510	15.0	2.2		242	1.3	0.7	0.4		3.66	30.6	0.53	0.33
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 96 (4 Acid) Meas																			11.3		50.2		26.9
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4		30.9	0.32	1.59	6.94	2.37	0.46	0.4	84	75	979	5.96	3.4		33.3	2.6	2.4	0.9	1.77	6.23	22.8	1.21	19.0



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Acid) Meas																							
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 923 (4 Acid) Meas		29.9	0.32	1.63	6.97	2.01	0.46	0.4	84	75	968	6.06	3.7		33.6	2.8	2.5	0.9	1.66	6.13	22.5	1.22	18.5
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 923 (4 Acid) Meas		31.1	0.29	1.60	7.08	1.88	0.43	0.3	82	83	878	6.14	3.9		34.3	2.9	2.2	0.9	1.89	6.21	22.0	1.18	18.4
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 621 (4 Acid) Meas		14.9	1.37	0.38	6.87	2.35	2.10	276	36	34	571	3.92	4.5		28.9		1.9		70.3	3.25	30.8		3.85
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas		13.4	1.36	0.46	6.44	1.96	1.92	266	30	30	510	3.64	4.4		24.5		1.7		63.5	3.15	27.4		3.88
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas		14.8	1.31	0.50	6.69	2.16	1.92	290	33	31	509	3.65	4.8		25.5		1.7		60.5	3.23	27.5		3.99
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 520 (4 Acid) Meas																							
OREAS 520 (4 Acid) Cert																							
Oreas 221 (Fire Assay) Meas	1060																						
Oreas 221 (Fire Assay) Cert	1060																						
OREAS 255 (Fire Assay) Meas	4040																						
OREAS 255 (Fire Assay) Cert	4080																						
A0935122 Orig	< 5																						
A0935122 Dup	5																						
A0935128 Orig	< 5																						
A0935128 Dup	< 5																						
A0935138 Orig	440																						
A0935138 Dup	438																						
A0935139 Orig		24.5	> 3.00	0.78	7.31	2.65	4.07	< 0.1	83	7	952	3.73	3.7	60	1.3	1.9	1.8	0.6	0.19	2.14	7.4	1.09	0.04
A0935139 Dup		23.9	> 3.00	0.77	6.96	2.41	4.00	< 0.1	80	5	935	3.63	3.4	70	1.3	1.8	1.8	0.6	0.21	2.12	7.6	1.07	0.04
A0935142 Orig		22.5	2.70	1.40	9.07	2.05	3.20	< 0.1	101	68	808	4.22	3.4	90	40.1	1.8	1.4	0.6	0.12	2.61	15.1	1.14	0.10
A0935142 Dup		23.3	2.86	1.43	8.94	2.15	3.32	< 0.1	105	63	827	4.51	3.3	70	42.8	2.0	1.5	0.6	0.15	2.72	15.7	1.17	0.10
Method Blank	< 5																						

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank	< 5																						
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	5	< 1	< 0.01	< 0.1	70	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	5	1	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	0.05
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 1	< 1	< 0.01	< 0.1	60	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	2	3	3	< 0.01	< 0.1	70	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	2	7	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-4 Meas	6.6	63.9	17.9	92.0	120	12.4	214	39	8.6	330	0.2	7	4.1	0.9	62	58.8	117		41.1	6.4	4.7	0.6	2.7
GXR-4 Cert	5.60	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
GXR-4 Meas	6.1	73.1	15.6	100	124	12.5	214	38	9.4	308	0.2	7	4.7	0.7	91	53.3	101		38.7	7.1	4.7	0.5	2.7
GXR-4 Cert	5.60	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
GXR-4 Meas	6.1	73.1	14.9	98.3	114	12.5	218	36	9.3	307	0.2	7	4.4	0.7	70	55.6	110		42.6	6.9	4.8	0.6	2.8
GXR-4 Cert	5.60	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
GXR-4 Meas	5.6	72.4	17.1	89.7	132	12.2	199	37	8.5	344	0.2	7	4.3	0.7	158	52.2	105		40.4	6.6	4.7	0.5	2.8
GXR-4 Cert	5.60	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas		103	21.3	< 0.1	109		181	25	< 0.1			< 1	< 0.1		648	40.5	87.1		42.0	8.0	7.0	1.1	6.4
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas		116	25.4	< 0.1	99.1		168	38	< 0.1			< 1	< 0.1		614	38.2	89.5		40.6	7.9	6.7	0.9	6.3
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	1.8	123	34.9	239	59.8	9.5	39.4	74	0.3	0.55	< 0.1	< 1	0.2	< 0.1	1360	8.9	27.3		10.1	2.1	2.0	0.4	2.0
GXR-6 Cert	0.940	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
GXR-6 Meas	1.6	119	35.2	237	72.5	11.5	41.5	75	0.4	0.86	< 0.1	< 1	0.9	< 0.1	1350	12.1	34.6		12.9	2.6	2.3	0.4	2.4
GXR-6 Cert	0.940	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
GXR-6 Meas	1.8	132	37.8	249	63.8	9.8	42.0	70	0.3	0.55	< 0.1	< 1	0.2	< 0.1	1320	9.4	28.0		10.6	2.3	2.1	0.3	2.2
GXR-6 Cert	0.940	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
GXR-6 Meas	0.9	136	42.4	249	72.8	11.2	40.9	87	1.0	1.34	< 0.1	1	1.1	< 0.1	1540	11.6	34.8		12.3	2.5	2.1	0.3	2.4
GXR-6 Cert	0.940	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	70.0	678										96	6.7										
OREAS 97 (4 Acid) Cert	71.4	646										95.7	9.23										
OREAS 97 (4 Acid) Meas	62.3	686										94	8.9										
OREAS 97 (4 Acid) Cert	71.4	646										95.7	9.23										
OREAS 97 (4 Acid) Meas	70.2	680										91	6.8										
OREAS 97 (4 Acid) Cert	71.4	646										95.7	9.23										
OREAS 98 (4 Acid) Meas	157	1230										200	8.7										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
OREAS 98 (4 Acid) Meas	160	1450										193	5.3										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
OREAS 98 (4 Acid) Meas	149	1490										197	9.7										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
DNC-1a Meas		57.6	13.9		3.1	14.3	139	36	1.4				0.5		94	3.5			4.7				



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		60.3	12.0		3.3	15.2	153	36	1.6				0.9		103	3.6			4.7				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		63.6	12.3		3.3	15.4	156	36	1.5				0.6		101	3.6			4.9				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		68.5	15.0		3.5	15.8	147	41	1.7				1.0		109	3.6			5.2				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
OREAS 13b (4-Acid) Meas		116		51.7						9.28													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 13b (4-Acid) Meas		119		50.8						9.41													
OREAS 13b (4-Acid) Cert		133		57						9.0													
SBC-1 Meas		172	26.8	21.9	128	27.9	170	116	12.4	2.05		3	0.9		480	49.4	108	12.0	46.7	9.5	7.6	1.2	6.1
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas		189	27.2	24.2	123	29.2	184	118	13.6	2.15		3	1.1		547	48.4	101	11.8	47.6	8.9	8.4	1.2	6.7
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas		204	29.3	22.0	128	28.3	172	120	15.9	2.27		3	1.1		771	46.5	105	11.1	47.9	9.4	7.9	1.0	6.8
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas		39.8	22.8	6.8	36.9	10.4	30.2	65	0.1	0.28	0.1	< 1	< 0.1		168	16.2	35.7	3.7	13.6	2.8	2.2	0.4	2.0
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas		40.4	19.6	6.6	39.1	10.6	32.9	115	< 0.1	0.17	< 0.1	< 1	< 0.1		177	15.6	35.1	3.6	13.8	2.8	2.4	0.4	2.4
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas		40.5	18.9	6.7	37.1	10.3	32.1	65	0.1	0.31	< 0.1	< 1	< 0.1		180	15.9	35.6	3.7	14.1	3.1	2.5	0.4	2.4
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas		40.4	22.7	6.9	40.5	10.8	30.9	88	0.3	0.42	< 0.1	< 1	< 0.1		177	15.6	37.5	3.4	13.6	2.9	2.3	0.3	2.4
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 96 (4 Acid) Meas	37.1	454											65	3.0									
OREAS 96 (4 Acid) Cert	40.7	457											65.6	5.09									
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4	6.6	347	19.3	5.6	143	23.9	42.5	116	14.7	1.03	0.5	13	1.3		399	40.7	79.8	9.1	35.2	6.9	5.8	0.8	4.9

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Acid) Meas																							
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 923 (4 Acid) Meas	6.2	368	18.7	4.7	133	24.3	43.7	124	14.5	0.97	0.5	14	1.4		401	40.7	79.8	8.9	35.7	6.7	5.9	0.8	5.0
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 923 (4 Acid) Meas	5.5	359	18.8	4.6	122	23.5	37.5	129	14.5	1.07	0.5	13	1.2		419	39.2	82.5	8.8	36.4	7.0	5.7	0.7	4.9
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 621 (4 Acid) Meas	6.3	> 10000	26.7	68.9	75.8	11.7	59.8	183	9.6	14.0	2.0	6	21.4			19.5	48.8					0.5	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 621 (4 Acid) Meas	10.6	> 10000	21.7	74.4	74.8	11.7	64.8	169	9.6	13.2	1.7	5	19.0			19.8	46.9					0.5	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 621 (4 Acid) Meas	4.9	> 10000	24.8	61.8	73.9	11.4	62.0	181	7.9	14.0	1.7	5	13.5			18.8	50.2					0.4	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 520 (4 Acid) Meas																							
OREAS 520 (4 Acid) Cert																							
Oreas 221 (Fire Assay) Meas																							
Oreas 221 (Fire Assay) Cert																							
OREAS 255 (Fire Assay) Meas																							
OREAS 255 (Fire Assay) Cert																							
A0935122 Orig																							
A0935122 Dup																							
A0935128 Orig																							
A0935128 Dup																							
A0935138 Orig																							
A0935138 Dup																							
A0935139 Orig	1.9	43.7	21.5	< 0.1	57.2	16.1	495	170	8.6	0.47	< 0.1	< 1	0.2	< 0.1	562	22.0	57.3	6.2	24.7	4.4	3.6	0.5	2.7
A0935139 Dup	1.7	42.9	20.6	< 0.1	54.7	15.1	453	160	8.2	0.44	< 0.1	< 1	0.2	< 0.1	459	20.7	56.1	5.9	24.0	4.1	3.6	0.5	2.6
A0935142 Orig	1.4	51.1	20.8	< 0.1	70.6	15.8	510	132	4.0	1.36	< 0.1	< 1	0.1	< 0.1	531	29.5	63.3	6.9	27.9	4.8	3.9	0.6	2.8
A0935142 Dup	1.2	52.0	21.9	< 0.1	73.4	16.6	556	133	4.5	1.29	< 0.1	< 1	0.1	< 0.1	549	30.9	66.4	7.3	28.6	4.8	3.8	0.6	3.0
Method Blank																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank																							
Method Blank																							
Method Blank	1.4	< 0.2	0.1	0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank	1.3	< 0.2	0.1	0.5	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.05	< 0.1	< 1	0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	1.2	< 0.2	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.2	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.2	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-4 Meas	6670		0.2	1.1	0.1	0.6	35.3		2.86	45.9	7	17.2	5.1	0.243	0.129	1.71
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
GXR-4 Meas	6700		0.2	1.0	0.1	0.6	35.3		3.33	49.6		20.3	5.5			
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	30.8		3.20	52.0		22.5	6.20			
GXR-4 Meas	6490		0.2	1.1	0.1	0.6	33.8		3.32	49.8		20.5	5.6			
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	30.8		3.20	52.0		22.5	6.20			
GXR-4 Meas	6350		0.2	1.0	0.1	0.6	33.9		3.32	46.5		20.2	5.9			
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	30.8		3.20	52.0		22.5	6.20			
SDC-1 Meas	25.5		0.5	3.3		< 0.1	< 0.1		0.59	24.4		12.6	2.7			
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00		12.00	3.10			
SDC-1 Meas	31.3		0.5	3.3		< 0.1	< 0.1		0.59	22.9		11.8	2.9			
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00		12.00	3.10			
GXR-6 Meas	65.9			1.7	0.2	< 0.1	< 0.1		1.91	92.1	27	3.6	1.2		0.037	0.01
GXR-6 Cert	66.0			2.40	0.330	0.485	1.90		2.20	101	27.6	5.30	1.54		0.0350	0.0160
GXR-6 Meas	58.8			1.7	0.2	< 0.1	0.1		2.15	93.8		5.3	1.4			
GXR-6 Cert	66.0			2.40	0.330	0.485	1.90		2.20	101		5.30	1.54			
GXR-6 Meas	62.8			1.6	0.2	< 0.1	< 0.1		2.23	98.5		4.7	1.3			
GXR-6 Cert	66.0			2.40	0.330	0.485	1.90		2.20	101		5.30	1.54			
GXR-6 Meas	68.7			1.6	0.2	< 0.1	0.1		2.20	90.9		5.0	1.5			
GXR-6 Cert	66.0			2.40	0.330	0.485	1.90		2.20	101		5.30	1.54			
OREAS 97 (4 Acid) Meas	> 10000									139						6.87
OREAS 97 (4 Acid) Cert	63100.00									147						6.07
OREAS 97 (4 Acid) Meas	> 10000									137						
OREAS 97 (4 Acid) Cert	63100.00									147						
OREAS 97 (4 Acid) Meas	> 10000									127						
OREAS 97 (4 Acid) Cert	63100.00									147						
OREAS 98 (4 Acid) Meas	> 10000									318						15.4
OREAS 98 (4 Acid) Cert	14800.0									345						15.5
OREAS 98 (4 Acid) Meas	> 10000									326						
OREAS 98 (4 Acid) Cert	14800.0									345						
OREAS 98 (4 Acid) Meas	> 10000									340						
OREAS 98 (4 Acid) Cert	14800.0									345						
DNC-1a Meas	91.8			2.2						6.7	30			0.270		

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	
DNC-1a Cert	100			2.0						6.3	31			0.29			
DNC-1a Meas	84.1			1.9						6.1							
DNC-1a Cert	100			2.0						6.3							
DNC-1a Meas	88.2			2.0						6.8							
DNC-1a Cert	100			2.0						6.3							
DNC-1a Meas	110			1.9						6.2							
DNC-1a Cert	100			2.0						6.3							
OREAS 13b (4-Acid) Meas	2300															1.20	
OREAS 13b (4-Acid) Cert	2327.0 000																1.2
OREAS 13b (4-Acid) Meas	2350																
OREAS 13b (4-Acid) Cert	2327.0 000																
SBC-1 Meas	27.7		0.5	3.7	0.5	0.7	1.7		0.85	33.4	20	14.3	5.2	0.474			
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51			
SBC-1 Meas	22.9		0.5	3.5	0.5	0.6	1.6		0.93	36.0		17.0	5.7				
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0		15.8	5.76				
SBC-1 Meas	27.0		0.5	3.3	0.5	1.1	1.7		0.92	34.7		16.0	6.2				
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0		15.8	5.76				
OREAS 45d (4-Acid) Meas	367			1.6	0.2	< 0.1	< 0.1		0.24	21.0	56	13.5	2.6	0.200	0.039	0.04	
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049	
OREAS 45d (4-Acid) Meas	348			1.4	0.2	< 0.1	< 0.1		0.22	22.6		15.5	2.7				
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8		14.5	2.63				
OREAS 45d (4-Acid) Meas	337			1.5	0.2	< 0.1	< 0.1		0.22	21.8		15.5	2.8				
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8		14.5	2.63				
OREAS 45d (4-Acid) Meas	395			1.3	0.2	< 0.1	< 0.1		0.21	20.1		14.3	2.8				
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8		14.5	2.63				
OREAS 96 (4 Acid) Meas	> 10000									98.3						4.35	
OREAS 96 (4 Acid) Cert	39300									101						4.19	
OREAS 96 (4 Acid) Meas																4.53	
OREAS 96 (4 Acid) Cert																4.19	
OREAS 923 (4	4360		0.4	2.6	0.3	1.1	5.4		0.89	82.6	13	17.4	3.1	0.410	0.067	0.71	

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Acid) Meas																
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 923 (4 Acid) Meas	4310		0.4	2.7	0.3	1.0	5.5		0.90	90.6		18.0	3.2			
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0		16.5	3.06			
OREAS 923 (4 Acid) Meas	4080		0.4	2.6	0.4	1.0	5.1		0.89	84.2		16.4	3.4			
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0		16.5	3.06			
OREAS 621 (4 Acid) Meas	3930			1.2	0.2		2.1		2.07	> 5000	7	5.3	2.7	0.184	0.038	5.00
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 621 (4 Acid) Meas	3620			1.0	0.1		2.1		2.06	> 5000		5.9	2.8			
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600		7.48	2.83			
OREAS 621 (4 Acid) Meas	3540			1.0	0.1		1.4		2.19	> 5000		5.2	3.0			
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600		7.48	2.83			
OREAS 520 (4 Acid) Meas											16			0.326	0.065	0.91
OREAS 520 (4 Acid) Cert											17.0			0.445	0.0740	1.01
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
OREAS 255 (Fire Assay) Meas																
OREAS 255 (Fire Assay) Cert																
A0935122 Orig																
A0935122 Dup																
A0935128 Orig																
A0935128 Dup																
A0935138 Orig																
A0935138 Dup																
A0935139 Orig	3.6	< 0.1	0.3	2.3	0.3	0.4	2.1	< 0.001	0.50	7.4	4	2.4	0.7	0.279	0.104	0.54
A0935139 Dup	4.1	< 0.1	0.3	2.0	0.3	0.3	2.0	< 0.001	0.59	7.2	4	2.2	0.5	0.274	0.102	0.52
A0935142 Orig	22.9	< 0.1	0.3	2.0	0.3	< 0.1	1.5	< 0.001	0.46	7.1	12	5.2	1.5	0.323	0.094	0.29
A0935142 Dup	21.8	< 0.1	0.3	2.2	0.3	0.2	1.9	< 0.001	0.46	7.2	12	5.5	1.5	0.326	0.095	0.30
Method Blank																



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Method Blank																
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank											< 1			0.0008	< 0.001	< 0.01
Method Blank	0.9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	0.0009	< 0.001	< 0.01
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank	0.9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			



Date Submitted: 11-Jul-19  
Invoice No.: A19-08999  
Invoice Date: 30-Jul-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

29 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A19-08999**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized with a large, sweeping 'E' and 'S'.

Emmanuel Esemé, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
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Date Submitted: 11-Jul-19  
Invoice No.: A19-08999  
Invoice Date: 30-Jul-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

29 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code UT-6 Total Digestion ICP & ICP/MS

REPORT A19-08999

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Eseme, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
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E-MAIL [Ancaster@actlabs.com](mailto:Ancaster@actlabs.com) ACTLABS GROUP WEBSITE [www.actlabs.com](http://www.actlabs.com)



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935143	21	23.9	> 3.00	1.47	7.53	1.41	1.57	< 0.1	89	115	514	3.39	6.2	40	50.5	1.5	2.5	0.6	0.21	2.03	14.6	1.55	0.18
A0935144	11	29.6	2.45	1.70	6.70	1.64	1.40	< 0.1	112	153	575	4.30	3.2	50	70.0	1.0	1.4	0.4	0.18	2.45	21.8	0.73	0.22
A0935145	35	24.7	2.66	1.45	6.11	1.35	1.94	< 0.1	101	156	562	4.07	3.2	50	66.1	0.9	1.2	0.3	0.22	2.80	24.5	0.63	0.24
A0935146	22	30.8	2.65	1.67	6.16	1.32	1.56	< 0.1	118	145	663	4.28	3.9	40	70.3	1.3	2.4	0.4	0.19	3.63	21.6	0.91	0.15
A0935147	7	28.7	2.58	1.50	5.77	1.45	1.98	0.1	106	130	661	4.11	3.7	40	59.0	1.1	1.9	0.4	0.21	3.18	21.0	0.72	0.21
A0935148	96	29.8	2.36	1.71	6.40	1.52	1.58	0.1	113	156	614	4.42	3.2	50	74.9	1.1	1.4	0.4	0.20	3.02	22.2	0.62	0.11
A0935149	13	34.5	1.55	1.99	6.08	1.45	1.00	0.1	129	169	598	4.72	3.3	40	87.7	1.0	1.5	0.4	0.28	2.36	24.6	0.67	0.22
A0935150	45	31.6	1.76	1.74	7.48	1.41	1.79	0.3	108	150	553	4.35	3.2	40	71.1	1.3	1.6	0.5	0.43	3.16	23.3	0.96	0.43
A0935151	130	35.0	1.40	2.17	7.91	1.37	0.70	< 0.1	125	124	534	4.88	3.0	50	83.0	1.5	1.4	0.5	0.20	1.68	22.6	0.93	0.14
A0935152	6	44.9	1.66	3.23	8.24	1.18	1.42	< 0.1	159	99	634	5.96	2.6	40	69.3	1.9	1.6	0.7	0.23	1.82	28.5	1.18	0.28
A0935153	< 5	31.1	2.96	2.07	7.71	1.29	1.59	0.1	105	113	472	4.02	2.9	40	60.1	1.4	1.4	0.5	0.25	1.80	18.3	1.13	0.14
A0935154	177	23.7	2.63	1.70	8.37	1.37	1.61	< 0.1	95	112	578	3.95	3.1	40	61.8	1.3	1.4	0.4	0.14	2.32	18.5	0.94	0.06
A0935155	15	23.4	2.44	1.77	8.05	1.44	1.59	< 0.1	106	131	596	4.17	3.3	20	67.2	1.3	1.3	0.5	0.19	2.68	19.8	0.93	0.09
A0935156	226	18.6	2.44	1.67	7.92	1.41	1.58	4.6	91	132	582	3.99	3.4	30	56.6	1.2	1.1	0.4	0.64	1.98	17.4	0.86	0.50
A0935157	132	29.3	1.59	1.92	7.77	1.42	0.95	4.7	121	196	578	4.56	3.0	30	81.3	1.4	1.6	0.5	0.67	3.09	23.7	0.85	0.33
A0935158	113	25.7	2.79	1.24	6.25	1.57	2.09	0.1	89	118	684	3.51	4.0	30	51.7	1.4	2.4	0.5	0.31	2.40	16.7	1.25	0.08
A0935159	60	23.2	2.25	1.62	8.07	1.36	1.75	0.5	94	128	647	4.06	3.2	30	61.7	1.3	1.2	0.5	0.31	2.61	20.0	1.07	0.15
A0935160	41	21.5	2.14	1.49	7.44	1.39	1.87	0.1	92	108	543	3.71	3.1	30	60.1	1.2	1.3	0.4	0.36	2.56	18.6	0.92	0.19
A0935161	5	20.0	2.44	1.39	7.48	1.52	2.04	0.7	74	93	508	3.15	3.0	20	46.7	1.1	1.1	0.4	0.33	2.41	14.5	0.88	0.22
A0935162	318	24.5	1.94	1.67	7.54	1.52	2.29	3.1	101	115	611	4.07	3.0	30	67.2	1.2	1.8	0.5	1.81	3.27	20.5	1.04	2.66
A0935163	4010	17.9	1.65	1.47	6.69	1.44	1.35	51.5	81	91	454	7.81	2.7	30	84.7	1.0	0.9	0.4	8.30	2.74	114	0.77	8.77
A0935164	1110	22.3	2.55	1.69	7.71	1.50	1.02	7.9	88	116	495	4.20	3.1	30	53.5	1.1	1.3	0.4	0.45	3.19	13.9	0.79	0.08
A0935165	1390	15.8	> 3.00	1.36	6.63	1.28	1.19	8.4	89	135	462	4.06	3.0	30	52.0	1.2	3.0	0.4	1.15	3.81	16.7	1.07	0.29
A0935166	43	21.6	> 3.00	1.49	7.75	2.18	3.78	0.2	99	45	969	4.32	2.5	20	34.9	2.8	4.4	1.1	0.29	6.28	16.7	4.00	0.35
A0935167	525	16.0	2.81	1.31	6.27	1.33	2.04	7.9	81	112	525	3.89	3.0	30	46.7	1.3	1.9	0.5	0.93	3.03	16.5	1.53	0.64
A0935168	218	29.3	1.98	1.64	8.37	1.82	1.23	0.9	108	123	580	4.46	3.9	20	66.7	1.4	1.8	0.5	0.49	3.71	19.4	1.13	0.24
A0935169	267	26.9	1.78	1.67	8.71	1.89	1.27	0.8	110	110	577	4.20	3.2	40	70.3	1.2	1.4	0.5	0.72	3.85	21.4	0.91	0.67
A0935170	64	23.7	> 3.00	1.14	8.84	1.98	2.28	0.2	80	89	729	3.77	4.6	30	41.1	1.9	3.1	0.7	0.49	2.99	14.7	2.61	0.14
A0935171	39	16.6	2.51	1.60	7.26	2.49	1.41	< 0.1	87	126	671	4.08	3.4	30	56.6	1.3	1.5	0.4	0.25	2.50	19.6	1.04	0.13



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935143	< 0.1	46.6	18.4	1.1	52.7	15.2	464	264	10.8	1.65	< 0.1	< 1	0.3	< 0.1	525	39.7	91.1	8.4	32.2	5.5	4.4	0.5	3.0
A0935144	< 0.1	62.2	16.9	0.5	43.9	9.5	278	114	6.1	1.44	< 0.1	1	0.1	< 0.1	615	16.1	43.7	4.0	15.6	2.7	2.4	0.3	1.9
A0935145	< 0.1	49.6	16.6	0.8	42.6	7.9	342	113	5.4	1.43	< 0.1	2	0.3	< 0.1	497	11.2	32.9	2.8	10.9	2.4	2.0	0.3	1.8
A0935146	< 0.1	76.2	16.7	1.8	55.3	9.8	417	139	6.9	1.50	< 0.1	1	0.2	< 0.1	690	18.3	54.2	4.8	19.1	3.2	3.0	0.4	2.4
A0935147	0.2	72.4	17.1	1.9	51.9	8.8	428	129	6.4	1.16	< 0.1	1	0.2	< 0.1	577	12.3	40.2	3.3	13.8	2.8	2.4	0.3	2.1
A0935148	0.3	75.1	18.7	3.1	48.5	8.9	310	111	6.1	1.33	< 0.1	1	0.2	< 0.1	600	10.5	35.2	2.9	11.8	2.0	2.1	0.3	1.8
A0935149	0.2	123	16.9	2.7	43.1	8.8	198	109	6.3	1.61	< 0.1	1	0.2	< 0.1	716	14.1	42.6	3.7	15.0	2.3	2.4	0.3	2.0
A0935150	< 0.1	122	15.1	3.6	68.6	12.1	281	109	5.5	1.62	< 0.1	1	0.2	< 0.1	601	24.6	56.0	5.7	22.1	3.8	3.2	0.4	2.6
A0935151	< 0.1	100	15.6	6.1	64.1	13.7	154	97	4.4	1.64	< 0.1	2	0.1	< 0.1	757	23.7	53.0	5.9	23.6	3.8	3.6	0.4	2.8
A0935152	< 0.1	107	17.4	3.8	49.6	17.0	184	98	2.5	0.78	< 0.1	< 1	0.2	< 0.1	536	27.4	60.1	6.9	29.6	5.3	4.4	0.5	3.5
A0935153	< 0.1	98.6	15.0	1.5	49.1	13.0	454	101	4.3	1.35	< 0.1	2	0.3	< 0.1	490	26.0	55.9	6.1	23.9	4.2	3.4	0.4	2.7
A0935154	< 0.1	71.1	15.7	2.4	59.5	11.1	426	107	4.1	0.95	< 0.1	< 1	0.1	< 0.1	657	23.6	50.2	5.5	20.9	3.6	2.9	0.4	2.4
A0935155	< 0.1	99.3	15.3	1.9	63.8	12.0	382	112	4.8	1.23	< 0.1	< 1	0.1	< 0.1	673	25.1	53.3	5.7	22.5	3.6	3.3	0.4	2.6
A0935156	< 0.1	430	13.9	2.4	58.1	10.8	443	116	4.9	1.23	< 0.1	< 1	0.2	0.2	551	25.3	52.6	5.5	21.8	3.8	3.1	0.4	2.3
A0935157	< 0.1	660	14.9	9.1	68.2	11.6	306	101	5.8	1.35	< 0.1	1	0.3	0.2	795	22.6	51.6	5.4	21.1	3.3	3.0	0.4	2.5
A0935158	< 0.1	122	10.3	8.5	55.6	11.0	609	154	9.9	0.98	< 0.1	1	0.3	< 0.1	913	26.3	71.5	6.9	27.8	5.0	4.0	0.4	2.8
A0935159	< 0.1	144	15.1	3.7	62.2	11.9	399	114	4.4	1.16	< 0.1	< 1	0.2	< 0.1	570	35.9	70.3	7.3	27.3	4.2	3.5	0.4	2.6
A0935160	< 0.1	133	12.3	0.8	60.9	10.7	389	106	4.8	1.27	< 0.1	1	0.1	< 0.1	671	24.0	51.3	5.3	21.1	3.7	3.0	0.4	2.4
A0935161	< 0.1	160	11.2	0.9	59.8	9.6	422	100	4.0	1.41	< 0.1	< 1	0.2	< 0.1	651	22.7	46.7	5.1	19.8	3.0	2.7	0.3	2.1
A0935162	< 0.1	380	13.1	1.4	69.2	11.8	431	104	5.4	3.40	< 0.1	1	0.2	1.8	767	23.1	49.3	5.6	22.0	4.2	3.1	0.4	2.4
A0935163	1.9	6240	18.3	0.6	64.3	10.9	308	97	4.3	2.25	0.3	< 1	0.2	6.0	76	16.8	37.8	4.4	17.1	2.8	2.6	0.3	2.2
A0935164	< 0.1	1100	11.8	0.4	60.5	10.5	395	112	4.9	1.59	< 0.1	< 1	0.3	0.1	614	26.6	54.2	6.1	23.0	3.5	2.9	0.4	2.2
A0935165	< 0.1	1140	18.5	0.8	66.6	12.3	460	106	6.4	3.21	< 0.1	1	0.2	0.2	284	25.0	61.3	6.1	24.9	3.8	3.4	0.4	2.3
A0935166	< 0.1	185	< 0.1	< 0.1	101	29.1	> 1000	133	3.5	1.61	< 0.1	< 1	< 0.1	< 0.1	1770	98.7	220	24.4	102	15.9	11.9	1.3	6.7
A0935167	< 0.1	1100	9.7	1.3	58.6	14.3	833	107	5.2	2.14	< 0.1	< 1	0.2	0.3	586	41.2	86.5	10.1	41.2	6.5	4.7	0.5	3.0
A0935168	< 0.1	307	13.9	4.1	78.0	14.0	458	143	9.7	1.52	< 0.1	1	0.3	0.3	823	35.7	73.4	8.2	32.3	5.4	4.0	0.5	2.9
A0935169	< 0.1	263	12.9	181	77.9	12.1	396	111	5.7	4.47	< 0.1	1	0.3	0.4	894	24.6	52.3	5.8	23.3	3.8	3.4	0.4	2.5
A0935170	< 0.1	177	11.7	1.9	71.3	18.7	864	198	18.9	1.12	< 0.1	1	0.2	< 0.1	968	88.6	184	19.4	76.0	10.8	7.4	0.8	4.4
A0935171	< 0.1	179	7.2	4.7	81.0	11.5	856	122	4.4	1.33	< 0.1	1	0.2	< 0.1	958	31.7	64.6	7.0	26.4	4.6	3.2	0.4	2.4



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0935143	17.4	< 0.1	0.3	1.6	0.2	0.5	2.4	< 0.001	0.49	16.2	10	10.7	4.5	0.283	0.084	0.29
A0935144	45.3	< 0.1	0.2	1.2	0.2	0.4	1.9	< 0.001	0.46	15.0	13	3.9	1.6	0.355	0.067	0.15
A0935145	65.0	0.2	0.2	1.1	0.2	0.5	1.4	< 0.001	0.52	15.9	11	2.5	1.6	0.342	0.068	0.24
A0935146	40.6	0.1	0.2	1.3	0.2	0.5	2.1	< 0.001	0.70	15.5	12	3.5	1.9	0.361	0.075	0.18
A0935147	51.0	0.2	0.2	1.3	0.2	0.4	1.9	< 0.001	0.59	15.4	9	1.9	1.5	0.338	0.067	0.25
A0935148	44.2	0.2	0.2	1.2	0.2	0.5	2.7	< 0.001	0.64	14.6	12	3.3	1.6	0.354	0.067	0.25
A0935149	60.3	0.2	0.2	1.2	0.2	0.5	3.0	< 0.001	0.61	26.5	14	3.6	2.0	0.375	0.070	0.34
A0935150	61.9	0.1	0.2	1.4	0.2	0.4	2.1	< 0.001	0.63	52.6	16	6.4	2.1	0.346	0.071	0.41
A0935151	40.9	0.1	0.3	1.5	0.2	0.3	2.5	< 0.001	0.52	12.8	21	7.7	2.2	0.371	0.066	0.29
A0935152	86.4	0.1	0.3	2.1	0.3	0.2	2.1	< 0.001	0.40	17.1	24	5.3	1.5	0.391	0.076	0.26
A0935153	72.5	0.1	0.2	1.5	0.2	0.4	1.5	< 0.001	0.38	19.8	16	5.9	1.8	0.334	0.073	0.32
A0935154	27.7	< 0.1	0.2	1.2	0.2	0.2	1.4	< 0.001	0.50	13.0	13	6.5	2.0	0.316	0.068	0.19
A0935155	37.2	0.1	0.2	1.3	0.2	0.3	2.2	< 0.001	0.55	31.0	17	6.7	2.0	0.345	0.072	0.27
A0935156	46.7	< 0.1	0.2	1.2	0.2	0.4	1.7	< 0.001	0.49	199	14	6.6	2.1	0.320	0.068	0.33
A0935157	61.9	< 0.1	0.2	1.4	0.2	0.4	3.0	< 0.001	0.69	220	18	6.8	2.1	0.375	0.070	0.63
A0935158	40.1	0.1	0.2	1.4	0.2	0.5	1.8	< 0.001	0.56	29.8	9	5.0	2.2	0.319	0.081	0.43
A0935159	48.7	< 0.1	0.2	1.3	0.2	0.3	1.7	< 0.001	0.55	37.1	15	7.0	2.1	0.320	0.071	0.53
A0935160	49.2	< 0.1	0.2	1.2	0.2	0.3	2.1	< 0.001	0.53	44.2	14	6.2	1.9	0.327	0.066	0.60
A0935161	39.5	< 0.1	0.2	1.1	0.1	0.3	1.5	< 0.001	0.48	52.2	11	5.8	1.8	0.272	0.060	0.39
A0935162	64.2	< 0.1	0.2	1.3	0.2	0.4	2.8	< 0.001	0.65	101	14	6.5	1.9	0.333	0.068	0.71
A0935163	230	0.1	0.2	1.1	0.2	0.3	4.7	< 0.001	0.57	2080	13	4.3	1.7	0.283	0.060	4.21
A0935164	63.5	< 0.1	0.2	1.1	0.2	0.3	3.7	< 0.001	0.58	39.0	13	7.6	2.0	0.307	0.065	0.92
A0935165	61.3	< 0.1	0.2	1.2	0.2	0.4	4.1	< 0.001	0.79	73.6	13	6.8	2.1	0.318	0.068	1.66
A0935166	32.2	< 0.1	0.5	2.6	0.3	< 0.1	0.6	< 0.001	1.39	38.2	12	10.6	4.5	0.242	0.228	0.30
A0935167	69.9	< 0.1	0.2	1.3	0.2	0.3	1.9	< 0.001	0.57	83.1	11	6.6	1.9	0.273	0.114	0.81
A0935168	80.5	< 0.1	0.2	1.5	0.2	0.6	3.2	< 0.001	0.74	60.2	16	8.6	3.5	0.368	0.075	0.73
A0935169	66.7	< 0.1	0.2	1.3	0.2	0.4	6.0	< 0.001	0.77	190	17	7.6	2.3	0.349	0.069	0.70
A0935170	32.7	< 0.1	0.3	1.8	0.3	0.9	1.4	< 0.001	0.72	36.4	9	12.0	5.4	0.281	0.097	0.52
A0935171	53.1	0.2	0.2	1.3	0.2	0.3	1.7	< 0.001	0.63	29.2	13	7.0	2.1	0.292	0.066	0.36

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-4 Meas		11.0	0.48	1.57	7.23	2.53	0.86	0.4	78	43	146	2.85	1.4	90	36.6		2.1		3.54	2.52	13.1	1.28	18.4
GXR-4 Cert		11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0
SDC-1 Meas		32.3	1.57	0.99	8.06	2.10	0.99		36	50	821	4.71	1.0	40	33.7	3.3	3.2	1.2		3.70	17.9	1.48	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
GXR-6 Meas																							
GXR-6 Cert																							
OREAS 97 (4 Acid) Meas																			20.5		67.8		37.1
OREAS 97 (4 Acid) Cert																			19.6		62.9		40.1
OREAS 98 (4 Acid) Meas																			45.2		127		78.8
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
DNC-1a Meas		4.4	1.42				7.25		136	219		6.51			254						55.4	0.54	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
OREAS 13b (4-Acid) Meas										> 5000					2020				0.85		72.0		
OREAS 13b (4-Acid) Cert										8650.000					2247.000				0.86		75		
SBC-1 Meas		140						0.3	193	79			3.0		80.2	3.0	3.2	1.1		7.47	20.7	1.70	0.60
SBC-1 Cert		163						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
OREAS 45d (4-Acid) Meas		20.5	0.10	0.24	8.30	0.44	0.19		80	541	491	14.7	1.3		238	1.3	0.7	0.5		3.55	30.7	0.58	0.32
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 96 (4 Acid) Meas																			10.5		46.5		25.0
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 923 (4 Acid) Meas		28.9	0.33	1.78	7.44	2.62	0.49	0.4	93	82	972	6.58	3.8		37.8	2.6	2.4	0.9	1.90	6.19	23.6	1.24	17.8
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 621 (4 Acid) Meas		12.3	1.26	0.38	6.66	1.57	1.83	248	32	39	485	3.58	4.3		29.6		1.6		64.0	3.15	29.6		3.54
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 520 (4 Acid) Meas		14.7	1.32	1.16	5.24	3.30	3.97		247	48	2210	15.8	3.6		76.7	2.0	1.1	0.7	0.45	0.75	201	1.23	2.76
OREAS 520 (4 Acid) Cert		16.9	1.35	1.19	5.63	3.46	4.10		257	36.4	2420	16.4	3.53		76.0	2.21	1.06	0.760	0.450	0.800	203	1.29	2.94
Oreas 221 (Fire Assay) Meas	1050																						
Oreas 221 (Fire Assay) Cert	1060																						



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 255 (Fire Assay) Meas	4150																						
OREAS 255 (Fire Assay) Cert	4080																						
A0935143 Orig		23.9	> 3.00	1.47	7.36	1.45	1.56	< 0.1	88	115	511	3.35	6.3	40	50.2	1.5	2.5	0.5	0.22	2.07	14.5	1.50	0.18
A0935143 Dup		23.9	> 3.00	1.48	7.71	1.36	1.57	< 0.1	89	115	516	3.43	6.2	40	50.7	1.5	2.5	0.6	0.21	1.99	14.6	1.59	0.18
A0935152 Orig	6																						
A0935152 Dup	5																						
A0935160 Orig		21.6	2.10	1.51	7.70	1.40	1.83	0.1	91	108	535	3.68	3.1	30	59.6	1.2	1.3	0.4	0.38	2.54	18.5	0.97	0.19
A0935160 Dup		21.4	2.19	1.48	7.17	1.39	1.90	0.1	92	107	552	3.75	3.2	30	60.7	1.2	1.3	0.4	0.35	2.58	18.6	0.88	0.19
A0935162 Orig	323																						
A0935162 Dup	313																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	2	5	4	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	2	< 1	< 0.01	< 0.1	30	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	3	3	< 0.01	< 0.1	20	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	2	5	< 0.01	< 0.1	30	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	< 1	6	< 0.01	< 0.1	30	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-4 Meas	3.5	71.0	21.2	92.0	106	11.8	199	43	8.7	297	0.2	7	4.2	0.7	161	50.8	96.3		38.9	5.7	4.4	0.5	2.7
GXR-4 Cert	5.60	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas		110	18.0	< 0.1	98.1		175	33	0.2			< 1	< 0.1		689	41.0	88.9		41.9	8.1	7.2	1.0	6.7
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas																							
GXR-6 Cert																							
OREAS 97 (4 Acid) Meas	74.6	688										103	7.2										
OREAS 97 (4 Acid) Cert	71.4	646										95.7	9.23										
OREAS 98 (4 Acid) Meas	140	1410										> 200	5.5										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
DNC-1a Meas		66.2	14.9		3.2	14.8	141	33	1.3				0.6		111	3.4			4.7				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
OREAS 13b (4-Acid) Meas		116		45.8						8.90													
OREAS 13b (4-Acid) Cert		133		57						9.0													
SBC-1 Meas		187	19.1	20.8	114	27.5	171	103	11.1	2.63		3	0.9		804	43.5	93.6	10.7	44.1	8.2	7.3	0.9	6.2
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas		47.1	25.0	5.7	41.6	11.1	31.5	48	0.5	0.07	< 0.1	< 1	< 0.1		201	16.2	36.4	3.6	14.3	2.7	2.4	0.4	2.4
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 96 (4 Acid) Meas	42.5	426										62	4.6										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 923 (4 Acid) Meas	6.8	377	17.4	5.5	150	24.9	43.8	122	13.7	0.78	0.5	14	1.2		485	41.5	83.4	9.3	36.7	6.6	6.0	0.8	5.1
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 621 (4 Acid) Meas	6.9	> 10000	7.9	70.0	70.7	11.3	82.3	157	9.3	13.9	1.7	6	101			22.7	48.8					0.4	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 520 (4 Acid) Meas	1.2	12.4	14.6	119	98.5	17.8	85.5	122	4.5	60.8	0.1	4	1.1	< 0.1		77.7	79.3	6.2	22.0	4.2	4.1	0.5	3.6
OREAS 520 (4 Acid) Cert	1.76	22.7	18.7	153	111	20.8	104	134	5.68	65.0	0.110	4.76	3.21	0.360		85.0	86.0	6.69	22.1	4.02	4.08	0.640	3.66
Oreas 221 (Fire Assay) Meas																							
Oreas 221 (Fire Assay) Cert																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 255 (Fire Assay) Meas																							
OREAS 255 (Fire Assay) Cert																							
A0935143 Orig	< 0.1	45.4	18.3	1.5	53.4	15.0	458	267	10.9	1.71	< 0.1	< 1	0.3	< 0.1	526	38.7	91.5	8.2	31.6	5.3	4.3	0.5	2.9
A0935143 Dup	< 0.1	47.7	18.4	0.8	52.0	15.4	470	261	10.6	1.59	< 0.1	< 1	0.3	< 0.1	524	40.6	90.6	8.7	32.8	5.7	4.6	0.5	3.0
A0935152 Orig																							
A0935152 Dup																							
A0935160 Orig	< 0.1	129	12.0	1.0	62.1	11.0	386	103	4.8	1.37	< 0.1	1	0.1	< 0.1	668	25.6	53.3	5.7	22.7	3.9	3.2	0.4	2.5
A0935160 Dup	< 0.1	137	12.7	0.5	59.7	10.3	392	109	4.8	1.17	< 0.1	1	0.1	< 0.1	673	22.3	49.4	5.0	19.6	3.4	2.9	0.3	2.3
A0935162 Orig																							
A0935162 Dup																							
Method Blank																							
Method Blank																							
Method Blank	< 0.1	2.4	0.2	0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	1.7	0.2	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	1.0	0.2	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.6	< 0.2	0.2	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.2	< 0.2	0.2	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-4 Meas	5660		0.2	1.0	0.1	0.5	41.4		3.08	49.3	8	18.5	5.5	0.266	0.136	1.75
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
SDC-1 Meas	29.2		0.6	3.5		< 0.1	< 0.1		0.66	24.7	16	11.5	2.8	0.0963	0.061	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
GXR-6 Meas												27			0.036	0.02
GXR-6 Cert											27.6				0.0350	0.0160
OREAS 97 (4 Acid) Meas	> 10000									138						6.85
OREAS 97 (4 Acid) Cert	63100.00									147						6.07
OREAS 98 (4 Acid) Meas	> 10000									302						15.3
OREAS 98 (4 Acid) Cert	14800.00									345						15.5
DNC-1a Meas	91.6			2.0						6.4	31			0.273		
DNC-1a Cert	100			2.0						6.3	31			0.29		
OREAS 13b (4-Acid) Meas	1950															1.13
OREAS 13b (4-Acid) Cert	2327.000															1.2
SBC-1 Meas	32.0		0.5	3.2	0.5	0.5	1.4		0.91	34.0	20	13.7	5.2	0.467		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
OREAS 45d (4-Acid) Meas	351			1.5	0.2	< 0.1	< 0.1		0.28	21.9	53	13.4	2.7	0.101	0.037	0.04
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 96 (4 Acid) Meas	> 10000									93.2						4.33
OREAS 96 (4 Acid) Cert	39300									101						4.19
OREAS 923 (4 Acid) Meas	3940		0.4	2.7	0.4	1.0	5.3		0.90	89.9	14	16.0	3.1	0.408	0.069	0.72
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 621 (4 Acid) Meas	3340			1.0	0.2		2.5		2.04	> 5000	7	6.9	2.7	0.180	0.038	4.55
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 520 (4 Acid) Meas	2530		0.4	2.2	0.3	0.3	27.7	0.030	0.28	6.6	17	9.1	18.0	0.465	0.073	0.92
OREAS 520 (4 Acid) Cert	2930		0.310	2.20	0.340	0.470	43.8	0.0310	0.260	5.85	17.0	9.62	17.9	0.445	0.0740	1.01
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
OREAS 255 (Fire Assay) Meas																
OREAS 255 (Fire Assay) Cert																
A0935143 Orig	17.8	0.1	0.2	1.5	0.2	0.5	2.4	< 0.001	0.48	16.2	10	10.5	4.5	0.283	0.084	0.29
A0935143 Dup	17.1	< 0.1	0.3	1.6	0.2	0.5	2.4	< 0.001	0.50	16.3	10	11.0	4.6	0.282	0.084	0.29
A0935152 Orig																
A0935152 Dup																
A0935160 Orig	48.0	< 0.1	0.2	1.2	0.2	0.3	2.1	< 0.001	0.53	43.3	14	6.6	2.0	0.329	0.066	0.60
A0935160 Dup	50.3	< 0.1	0.2	1.2	0.2	0.3	2.1	< 0.001	0.54	45.2	14	5.7	1.8	0.324	0.066	0.60
A0935162 Orig																
A0935162 Dup																
Method Blank																
Method Blank																
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	0.5	< 1	< 0.1	< 0.1	0.0006	< 0.001	< 0.01
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	0.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	0.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	0.6	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01





Date Submitted: 17-Jul-19  
Invoice No.: A19-09215  
Invoice Date: 09-Aug-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

8 Core samples were submitted for analysis.

The following analytical package(s) were requested;

Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A19-09215**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and flourishes.

Emmanuel Esemé, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
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Date Submitted: 17-Jul-19  
Invoice No.: A19-09215  
Invoice Date: 09-Aug-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

6 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A19-09215**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Eseme, Ph.D.  
Quality Control

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## Results

## Activation Laboratories Ltd.

Report: A19-09215

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935231	77	22.8	2.60	2.04	8.03	3.55	2.95	0.3	120	77	887	4.91	3.5	30	49.2	2.0	1.9	0.8	0.35	1.00	20.8	2.10	0.11
A0935232	177	23.9	1.85	1.86	8.58	3.55	1.75	0.6	111	107	827	4.45	3.0	20	70.0	1.4	1.2	0.5	0.35	1.52	21.2	1.15	0.08
A0935233	229	18.2	> 3.00	1.59	8.91	2.85	2.66	2.2	104	106	764	4.18	3.3	20	68.7	1.2	1.4	0.5	0.56	1.58	19.2	1.07	0.25
A0935234	73	19.5	> 3.00	1.58	8.55	2.00	4.72	5.4	109	102	748	4.17	3.1	10	65.5	1.6	1.5	0.6	0.80	1.78	23.1	2.30	0.40
A0935235	17	24.5	1.86	1.53	7.76	2.01	2.61	1.5	115	168	669	4.66	3.4	40	71.7	1.4	1.3	0.5	0.79	2.25	21.5	1.31	0.41
A0935236	18	25.6	2.44	1.64	8.36	2.18	2.13	< 0.1	91	113	615	4.16	3.0	30	59.4	1.1	1.2	0.4	0.41	2.60	18.5	0.84	0.20

Results

Activation Laboratories Ltd.

Report: A19-09215

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935231	< 0.1	85.8	19.7	2.1	93.4	20.5	597	158	10.2	0.97	< 0.1	1	0.5	< 0.1	576	62.3	130	14.1	56.1	9.0	6.6	0.8	4.3
A0935232	< 0.1	118	20.3	2.1	101	14.0	595	122	6.5	1.31	< 0.1	1	0.3	< 0.1	563	31.0	63.2	6.6	26.8	4.3	3.5	0.4	2.8
A0935233	< 0.1	235	20.2	2.0	86.4	13.4	648	134	6.7	1.61	< 0.1	1	0.2	0.2	686	32.2	65.3	6.8	27.5	3.7	3.5	0.4	2.4
A0935234	< 0.1	450	18.4	1.2	60.8	17.8	936	126	5.8	1.67	< 0.1	1	0.4	0.3	381	50.8	112	12.8	54.2	10.3	6.5	0.7	3.7
A0935235	0.4	173	18.5	1.1	69.1	14.1	634	138	6.8	1.49	< 0.1	1	0.2	0.2	224	35.6	77.4	8.6	34.8	5.5	4.3	0.5	2.8
A0935236	< 0.1	83.9	18.4	1.5	73.6	11.1	471	124	5.4	1.23	< 0.1	< 1	0.1	< 0.1	357	24.9	51.8	5.4	21.9	3.7	3.0	0.4	2.1

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0935231	50.8	< 0.1	0.3	1.9	0.3	0.5	2.5	< 0.001	0.61	26.6	15	6.8	1.8	0.329	0.120	0.60
A0935232	43.9	< 0.1	0.2	1.3	0.2	0.4	3.7	< 0.001	0.83	50.6	16	6.7	2.0	0.335	0.073	0.56
A0935233	69.5	< 0.1	0.2	1.3	0.2	0.4	2.8	0.001	0.61	109	14	7.1	2.3	0.322	0.073	0.64
A0935234	79.1	< 0.1	0.2	1.5	0.2	0.2	3.4	0.003	0.37	192	13	6.6	2.1	0.304	0.255	1.02
A0935235	50.6	< 0.1	0.2	1.4	0.2	0.4	4.4	0.002	0.53	136	16	6.7	2.3	0.365	0.115	1.28
A0935236	21.3	< 0.1	0.2	1.1	0.2	0.4	3.0	0.001	0.49	40.7	12	5.8	2.0	0.307	0.069	1.00



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		36.1	1.52	1.04	8.42	2.87	1.00		29	44	860	4.79	0.6	20	33.2	3.6	2.7	1.3		3.87	17.8	1.43	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
SDC-1 Meas		38.6	1.73	1.11	9.26	2.99	1.03		34	45	933	5.07	1.0	30	36.8	4.0	3.1	1.4		4.47	19.1	1.63	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas		4.9	1.44				7.57		143	134		7.11			265						55.1	0.54	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.8	1.33				8.18		152	137		6.75			261						52.9	0.51	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
OREAS 13b (4-Acid) Meas										> 5000					2100				0.93		68.5		
OREAS 13b (4-Acid) Cert										8650.000					2247.000				0.86		75		
OREAS 13b (4-Acid) Meas										> 5000					2100				0.94		70.1		
OREAS 13b (4-Acid) Cert										8650.000					2247.000				0.86		75		
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		155							0.3	233	89			3.3	84.6	3.4	3.2	1.1		7.46	22.3	1.79	0.70
SBC-1 Cert		163							0.40	220.0	109			3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
OREAS 45d (4-Acid) Meas		20.4	0.09	0.23	7.66	0.41	0.16		99	460	454	14.0	2.0		212	1.3	0.7	0.4		3.61	26.7	0.52	0.29
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas		22.2	0.09	0.25	8.13	0.41	0.18		102	502	488	14.6	1.7		229	1.3	0.7	0.4		3.78	28.3	0.53	0.33
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 96 (4 Acid) Meas																				11.1		44.5	25.4
OREAS 96 (4 Acid) Cert																				11.5		49.9	26.3



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 96 (4 Acid) Meas																			11.0		44.6		26.1
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 923 (4 Acid) Meas		30.6	0.32	1.78	7.76	2.68	0.45	0.3	85	74	949	6.27	3.3		33.2	2.6	2.0	0.9	1.89	6.31	21.0	1.10	20.5
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 923 (4 Acid) Meas		32.3	0.32	1.76	7.51	2.71	0.47	0.4	86	75	970	6.57	3.3		34.8	2.5	2.2	0.9	1.78	6.30	22.0	1.21	18.0
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 621 (4 Acid) Meas		13.4	1.39	0.54	6.56	2.03	1.88	277	35	29	524	3.90	4.4		30.4		1.7		62.0	3.03	30.2		4.12
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 221 (Fire Assay) Meas	1080																						
Oreas 221 (Fire Assay) Cert	1060																						
Oreas 221 (Fire Assay) Meas	1070																						
Oreas 221 (Fire Assay) Cert	1060																						
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
A0935231 Orig	78																						
A0935231 Dup	76																						
A0935236 Orig		24.5	2.32	1.57	7.91	1.98	2.04	< 0.1	87	120	585	3.99	2.9	40	56.8	1.1	1.1	0.4	0.40	2.43	18.2	0.79	0.19
A0935236 Dup		26.7	2.55	1.71	8.80	2.39	2.21	0.1	96	106	644	4.32	3.2	20	62.1	1.2	1.2	0.4	0.42	2.77	18.8	0.88	0.20
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	7	4	< 0.01	< 0.1	90	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	0.02
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		104	22.6	< 0.1	117		174	24	< 0.1			< 1	< 0.1		640	43.0	90.1		40.2	9.0	6.4	0.9	6.1
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas		93.2	24.1	< 0.1	126		192	38	< 0.1			< 1	< 0.1		739	44.6	99.3		45.9	8.2	7.7	1.1	6.8
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas		66.5	13.7		3.5	16.2	148	40	1.5				0.5		111	3.6			5.0				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		59.6	13.7		3.3	15.9	147	40	1.4				0.5		97	3.7			4.7				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
OREAS 13b (4-Acid) Meas		131		46.7						8.55													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 13b (4-Acid) Meas		133		45.3						8.76													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		195	27.8	25.6	133	30.1	176	131	15.9	2.30		3	0.9		746	49.2	104	11.8	46.1	9.1	8.1	1.0	6.2
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas		40.8	20.2	5.8	37.2	9.8	27.6	82	0.1	0.11	< 0.1	< 1	< 0.1		168	16.7	33.3	3.5	13.1	2.8	2.2	0.3	2.2
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas		44.5	21.3	5.9	39.3	10.2	28.9	64	0.3	0.40	< 0.1	< 1	< 0.1		181	16.8	35.4	3.6	13.4	2.6	2.4	0.3	2.1
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 96 (4 Acid) Meas	36.5	375										61	3.5										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 96 (4 Acid) Meas	36.7	378										60	3.9										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 923 (4 Acid) Meas	4.8	302	19.5	4.6	152	23.6	39.0	130	14.0	0.98	0.5	13	1.2		401	42.8	79.1	8.6	33.2	5.7	5.2	0.7	4.4
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 923 (4 Acid) Meas	5.5	317	19.6	4.2	153	23.4	41.1	124	14.5	0.89	0.5	14	1.2		427	41.8	79.9	9.1	35.0	5.6	5.2	0.7	4.6
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 621 (4 Acid) Meas	4.7	> 10000	29.5	72.7	75.8	12.2	89.2	188	10.6	16.0	1.9	6	100		25.1	49.9						0.5	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139		21.6	46.6						0.460	
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 221 (Fire Assay) Meas																							
Oreas 221 (Fire Assay) Cert																							
Oreas 221 (Fire Assay) Meas																							
Oreas 221 (Fire Assay) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
A0935231 Orig																							
A0935231 Dup																							
A0935236 Orig	< 0.1	82.8	17.7	1.5	68.5	10.4	453	119	5.1	1.18	< 0.1	< 1	0.1	< 0.1	362	23.3	48.7	5.1	20.3	3.5	2.8	0.3	2.0
A0935236 Dup	0.2	85.1	19.2	1.5	78.6	11.8	488	130	5.7	1.27	< 0.1	1	0.1	< 0.1	352	26.6	55.0	5.7	23.4	3.9	3.1	0.4	2.2
Method Blank																							
Method Blank																							
Method Blank	< 0.1	< 0.2	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
SDC-1 Meas	30.7		0.5	3.3		< 0.1	0.1		0.63	23.6	16	11.4	2.7	0.0952	0.059	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
SDC-1 Meas	32.1		0.5	3.6		< 0.1	< 0.1		0.71	26.1		12.5	3.0			
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00		12.00	3.10			
Oreas 72a (4 Acid Digest) Meas																1.59
Oreas 72a (4 Acid Digest) Cert																1.74
OREAS 101b (4 Acid) Meas														0.358	0.109	
OREAS 101b (4 Acid) Cert														0.35		
OREAS 98 (4 Acid) Meas																14.9
OREAS 98 (4 Acid) Cert																15.5
DNC-1a Meas	95.7			2.0						6.9	30			0.272		
DNC-1a Cert	100			2.0						6.3	31			0.29		
DNC-1a Meas	94.7			2.0						6.1						
DNC-1a Cert	100			2.0						6.3						
OREAS 13b (4-Acid) Meas	2150															1.16
OREAS 13b (4-Acid) Cert	2327.000															1.2
OREAS 13b (4-Acid) Meas	2180															
OREAS 13b (4-Acid) Cert	2327.000															
OREAS 904 (4 ACID) Meas											12				0.103	0.06
OREAS 904 (4 ACID) Cert											11.2				0.0980	0.0630
SBC-1 Meas	30.8		0.4	3.5	0.5	1.0	1.6		0.91	36.0	22	15.3	5.4	0.501		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
OREAS 45d (4-Acid) Meas	343			1.4	0.2	< 0.1	< 0.1		0.25	20.1	51	13.4	2.6	0.0979	0.035	0.04
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 45d (4-Acid) Meas	363			1.4	0.2	< 0.1	< 0.1		0.26	22.3		14.6	2.8			
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8		14.5	2.63			
OREAS 96 (4 Acid) Meas	> 10000									93.7						4.21
OREAS 96 (4 Acid) Cert	39300									101						4.19



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
OREAS 96 (4 Acid) Meas	> 10000									95.6						
OREAS 96 (4 Acid) Cert	39300									101						
OREAS 923 (4 Acid) Meas	4010		0.4	2.4	0.3	1.0	5.1		0.90	86.9	13	15.5	3.0	0.398	0.064	0.69
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 923 (4 Acid) Meas	4160		0.4	2.5	0.4	1.0	4.8		0.87	87.1		15.8	3.1			
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0		16.5	3.06			
OREAS 621 (4 Acid) Meas	3570			1.1	0.2		2.6		2.15	> 5000		7.5	2.7			
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600		7.48	2.83			
OREAS 522 (4 Acid) Meas											10			0.244	0.081	2.35
OREAS 522 (4 Acid) Cert											10.9			0.344	0.0890	2.50
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 77b (4 Acid Digest) Meas											3			0.0538		
Oreas 77b (4 Acid Digest) Cert											3.51			0.0640		
A0935231 Orig																
A0935231 Dup																
A0935236 Orig	20.6	< 0.1	0.2	1.1	0.2	0.3	2.8	0.001	0.47	39.1	12	5.4	1.8	0.308	0.069	0.97
A0935236 Dup	22.1	< 0.1	0.2	1.2	0.2	0.4	3.2	0.002	0.51	42.3	12	6.2	2.2	0.307	0.070	1.04
Method Blank																
Method Blank																
Method Blank	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01





Date Submitted: 17-Jul-19  
Invoice No.: A19-09218  
Invoice Date: 14-Aug-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

22 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code UT-6 Total Digestion ICP & ICP/MS

REPORT      **A19-09218**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with a large, looped 'E' and 'S'.

Emmanuel Esemé, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
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Date Submitted: 17-Jul-19  
Invoice No.: A19-09218  
Invoice Date: 14-Aug-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

22 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay QOP AA-Au (Au - Fire Assay AA)

REPORT **A19-09218**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Eseme, Ph.D.  
Quality Control

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Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935172	101	19.3	> 3.00	1.66	8.36	2.10	2.09	< 0.1	89	100	782	3.84	3.0	20	57.4	1.2	1.5	0.4	0.22	2.76	18.3	1.24	0.10
A0935173	84	31.5	> 3.00	1.25	9.35	2.61	3.16	< 0.1	78	63	788	3.69	4.0	30	39.6	1.5	2.4	0.6	0.29	2.87	15.3	2.32	0.05
A0935174	166	20.0	2.37	1.30	6.94	1.76	2.73	0.1	78	86	713	3.36	2.5	30	50.0	1.5	1.3	0.5	0.54	2.42	15.4	1.10	0.37
A0935175	1760	19.8	1.58	1.14	6.26	2.12	1.26	1.8	83	87	406	2.98	2.2	20	52.7	0.8	1.2	0.3	9.81	2.39	14.9	0.64	0.13
A0935176	304	18.2	1.89	1.16	5.94	1.90	1.49	< 0.1	69	76	469	2.70	2.2	20	45.5	0.9	1.0	0.3	0.17	2.09	13.0	0.65	0.02
A0935177	151	25.7	2.22	1.70	6.02	1.82	4.48	< 0.1	102	96	743	3.88	1.9	30	57.6	1.5	1.3	0.6	0.20	2.74	20.6	1.86	0.05
A0935178	106	25.1	2.16	1.43	7.03	1.70	1.68	< 0.1	93	108	548	3.59	2.6	30	60.7	1.0	1.4	0.4	0.16	2.84	18.8	0.74	0.09
A0935179	74	22.7	1.59	1.31	5.97	1.52	1.20	< 0.1	81	87	444	3.11	2.1	30	53.8	1.0	1.2	0.4	0.15	2.10	16.8	0.69	0.07
A0935180	90	21.9	2.89	1.56	8.63	2.12	2.32	< 0.1	98	101	688	4.03	3.0	40	64.2	1.2	1.3	0.5	0.18	2.93	19.7	1.02	0.11
A0935181	117	21.3	2.71	1.36	8.21	2.23	3.07	< 0.1	82	104	697	3.65	2.8	40	63.5	1.1	1.4	0.5	0.18	2.86	19.3	0.91	0.10
A0935182	52	18.9	2.40	1.34	7.32	1.88	1.70	< 0.1	73	88	558	3.50	2.4	30	57.7	1.1	1.3	0.4	0.11	2.59	17.0	0.82	0.11
A0935183	25	22.2	2.15	1.55	7.88	2.34	1.55	< 0.1	80	95	590	3.97	2.5	20	70.7	1.4	1.3	0.5	0.12	2.74	20.3	0.96	0.16
A0935184	42	18.8	1.53	1.24	6.46	2.01	2.06	< 0.1	61	74	575	3.02	2.0	30	54.1	1.0	1.0	0.4	0.10	2.05	16.7	0.85	0.12
A0935185	42	37.8	> 3.00	1.83	9.16	2.69	2.42	< 0.1	86	66	725	4.55	3.3	30	56.6	1.4	2.1	0.5	0.15	3.85	20.1	1.75	0.17
A0935186	< 5	29.5	> 3.00	1.19	9.46	2.62	3.32	< 0.1	67	53	838	4.37	3.4	20	7.4	2.3	3.6	0.9	0.06	2.37	13.5	4.25	0.15
A0935187	18	34.7	2.16	2.12	8.82	3.06	2.22	< 0.1	125	88	722	4.68	2.9	40	72.3	1.5	1.5	0.5	0.21	3.87	24.4	1.10	0.27
A0935188	< 5	17.5	2.93	1.66	7.97	1.97	2.36	< 0.1	68	91	554	3.59	3.0	30	60.6	1.3	1.4	0.4	0.20	2.74	18.5	1.08	0.31
A0935189	< 5	23.6	2.92	1.80	8.27	2.19	3.13	< 0.1	79	82	854	3.91	3.4	30	62.1	2.3	1.8	0.9	0.19	2.84	19.4	3.21	0.26
A0935190	< 5	23.8	2.86	1.70	7.80	2.30	2.13	< 0.1	71	100	588	3.66	3.5	30	59.6	1.4	1.5	0.5	0.18	3.00	19.7	1.28	0.28
A0935191	44	19.6	> 3.00	1.64	7.67	2.15	2.57	< 0.1	80	121	710	3.81	3.1	40	68.9	1.6	1.5	0.6	0.22	3.40	22.8	1.70	0.24
A0935192	20	45.6	> 3.00	1.28	> 10.0	2.76	1.57	< 0.1	90	68	719	3.99	5.6	30	55.5	1.5	3.1	0.5	0.25	3.11	16.4	1.43	0.21
A0935193	14	26.5	> 3.00	1.93	9.18	2.40	2.57	< 0.1	119	114	845	4.63	3.1	40	87.5	1.6	1.7	0.5	0.24	3.72	25.0	1.35	0.25



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935172	< 0.1	100	19.9	6.1	64.6	12.8	816	126	5.6	1.97	< 0.1	< 1	0.2	< 0.1	582	42.8	86.5	8.9	33.5	5.2	4.0	0.4	2.5
A0935173	< 0.1	99.2	22.6	0.8	72.5	16.9	> 1000	205	11.1	0.86	< 0.1	< 1	0.2	< 0.1	824	66.6	141	15.4	61.3	8.5	6.7	0.7	3.8
A0935174	< 0.1	93.7	15.6	2.6	60.3	15.7	560	97	5.2	1.01	< 0.1	< 1	0.2	0.1	424	28.0	55.5	5.9	23.1	4.3	3.3	0.5	2.7
A0935175	< 0.1	222	16.4	9.2	65.2	8.5	375	87	4.4	3.85	< 0.1	< 1	0.5	4.9	565	18.2	39.4	4.2	16.2	2.8	2.2	0.3	1.5
A0935176	< 0.1	61.2	14.7	5.5	60.7	7.9	404	84	3.9	0.87	< 0.1	< 1	0.2	< 0.1	435	17.1	36.0	4.0	15.8	2.3	2.0	0.3	1.5
A0935177	< 0.1	63.4	17.1	2.9	59.8	14.6	866	86	4.0	1.18	< 0.1	< 1	0.1	< 0.1	601	36.2	87.2	10.6	45.4	7.5	5.6	0.6	3.3
A0935178	< 0.1	57.2	18.2	2.1	60.1	10.0	396	102	4.7	1.25	< 0.1	< 1	0.1	< 0.1	626	21.4	45.6	4.9	19.8	2.9	2.5	0.3	1.9
A0935179	< 0.1	47.0	16.6	2.9	50.2	9.6	324	81	3.8	1.02	< 0.1	< 1	0.1	< 0.1	577	19.9	42.6	4.6	18.5	3.0	2.5	0.3	1.9
A0935180	< 0.1	56.3	20.8	< 0.1	72.3	12.3	536	120	4.7	1.35	< 0.1	< 1	< 0.1	< 0.1	575	42.4	79.6	8.3	30.8	4.0	3.4	0.4	2.5
A0935181	< 0.1	52.4	20.1	2.1	72.7	11.6	534	111	2.0	0.82	< 0.1	1	< 0.1	< 0.1	628	26.2	53.8	6.0	23.7	3.6	2.9	0.4	2.3
A0935182	< 0.1	51.1	18.4	0.2	63.3	10.4	381	93	1.3	0.67	< 0.1	< 1	< 0.1	< 0.1	472	24.5	50.7	5.4	21.7	3.6	2.8	0.3	2.1
A0935183	< 0.1	64.0	21.1	< 0.1	71.7	11.8	365	91	0.7	0.72	< 0.1	1	< 0.1	< 0.1	626	25.9	55.0	5.9	23.6	3.5	3.1	0.4	2.5
A0935184	< 0.1	47.9	17.8	< 0.1	58.1	10.2	391	74	0.5	0.28	< 0.1	< 1	< 0.1	< 0.1	606	20.8	43.4	4.8	19.2	2.9	2.5	0.3	2.0
A0935185	0.2	75.5	25.8	< 0.1	77.5	13.9	817	149	4.2	1.09	< 0.1	< 1	< 0.1	< 0.1	937	47.5	97.1	11.5	46.8	6.8	5.4	0.5	2.9
A0935186	0.2	80.8	26.9	< 0.1	58.3	23.1	> 1000	232	1.5	0.24	< 0.1	< 1	< 0.1	< 0.1	1470	126	283	25.2	106	17.9	11.6	1.1	5.4
A0935187	< 0.1	78.7	23.4	0.2	84.4	13.7	454	106	4.0	1.11	< 0.1	1	< 0.1	< 0.1	911	27.1	58.9	6.5	25.6	4.6	3.8	0.4	2.7
A0935188	< 0.1	68.6	19.4	< 0.1	65.9	11.2	459	107	2.1	0.78	< 0.1	1	< 0.1	< 0.1	570	30.6	61.5	6.8	26.1	4.4	3.3	0.4	2.1
A0935189	< 0.1	96.4	21.2	< 0.1	67.9	21.5	> 1000	132	5.0	1.07	< 0.1	< 1	< 0.1	< 0.1	921	77.1	223	20.0	83.1	14.3	9.6	1.0	4.7
A0935190	< 0.1	68.6	19.9	< 0.1	68.8	12.4	595	131	4.6	0.94	< 0.1	< 1	< 0.1	< 0.1	747	33.2	69.9	7.7	30.4	5.2	4.0	0.5	2.5
A0935191	0.3	70.6	18.9	< 0.1	70.2	14.6	676	117	6.4	1.30	< 0.1	1	0.2	< 0.1	680	59.6	143	12.4	48.8	7.6	5.4	0.6	3.0
A0935192	< 0.1	115	25.5	< 0.1	87.7	14.0	812	293	13.1	1.53	< 0.1	1	0.1	0.1	1160	44.4	94.6	10.2	39.6	5.9	4.4	0.5	2.9
A0935193	< 0.1	93.1	23.3	< 0.1	82.1	14.2	585	135	6.1	1.69	< 0.1	1	0.1	< 0.1	845	33.4	70.5	8.0	31.0	5.8	4.1	0.5	2.8



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0935172	39.6	< 0.1	0.2	1.3	0.2	0.2	1.7	< 0.001	0.50	17.2	12	6.5	2.1	0.291	0.091	0.36
A0935173	29.4	< 0.1	0.2	1.4	0.2	0.5	1.6	< 0.001	0.62	19.3	9	6.7	2.2	0.246	0.128	0.30
A0935174	61.8	< 0.1	0.2	1.3	0.2	0.3	2.2	< 0.001	0.41	65.7	13	5.8	1.7	0.297	0.067	0.51
A0935175	50.7	0.2	0.1	0.8	0.1	0.3	3.7	< 0.001	0.47	147	13	4.9	1.5	0.284	0.055	0.48
A0935176	26.5	< 0.1	0.1	0.9	0.1	0.2	1.9	< 0.001	0.38	11.5	14	4.8	1.4	0.323	0.069	0.37
A0935177	38.0	< 0.1	0.2	1.3	0.2	< 0.1	2.4	< 0.001	0.47	8.8	15	3.8	1.6	0.259	0.229	0.36
A0935178	41.4	0.1	0.2	1.1	0.1	0.3	2.2	< 0.001	0.49	8.0	16	5.5	1.7	0.340	0.071	0.35
A0935179	35.6	0.1	0.2	1.0	0.1	0.2	2.5	< 0.001	0.36	5.9	18	5.0	1.5	0.346	0.069	0.36
A0935180	36.4	0.1	0.2	1.3	0.2	0.1	1.1	< 0.001	0.49	10.4	14	17.9	2.4	0.323	0.072	0.30
A0935181	46.4	0.3	0.2	1.2	0.2	< 0.1	0.4	< 0.001	0.49	8.4	14	6.5	2.1	0.278	0.071	0.30
A0935182	34.4	0.3	0.2	1.1	0.1	< 0.1	0.1	< 0.001	0.43	7.0	15	5.8	1.9	0.270	0.072	0.26
A0935183	40.8	0.3	0.2	1.2	0.2	< 0.1	< 0.1	< 0.001	0.47	7.3	18	6.5	2.0	0.263	0.072	0.26
A0935184	32.0	0.1	0.2	1.0	0.1	< 0.1	< 0.1	< 0.001	0.42	6.4	16	5.0	1.5	0.221	0.069	0.25
A0935185	30.9	0.1	0.2	1.2	0.2	< 0.1	2.4	< 0.001	0.55	11.8	12	7.6	1.8	0.347	0.134	0.34
A0935186	8.2	< 0.1	0.3	1.8	0.2	< 0.1	0.7	< 0.001	0.50	17.8	4	10.7	2.6	0.232	0.158	0.17
A0935187	55.7	0.3	0.2	1.5	0.2	0.1	1.3	< 0.001	0.62	13.2	19	6.5	1.6	0.370	0.083	0.33
A0935188	48.7	0.4	0.2	1.2	0.2	< 0.1	0.3	< 0.001	0.49	13.5	13	6.8	1.8	0.299	0.075	0.28
A0935189	42.8	0.2	0.3	2.0	0.2	0.1	1.3	< 0.001	0.54	13.8	13	8.8	2.2	0.335	0.150	0.25
A0935190	43.1	0.3	0.2	1.3	0.2	0.1	0.5	< 0.001	0.55	14.3	13	7.4	1.8	0.322	0.078	0.32
A0935191	55.0	< 0.1	0.2	1.5	0.2	0.2	1.5	< 0.001	0.54	14.0	15	8.0	2.0	0.344	0.106	0.46
A0935192	48.0	< 0.1	0.2	1.5	0.2	0.7	6.7	< 0.001	0.86	18.8	11	6.6	3.0	0.289	0.065	0.32
A0935193	57.5	< 0.1	0.2	1.4	0.2	0.3	3.0	< 0.001	0.67	11.7	17	6.4	2.0	0.348	0.084	0.43

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		34.3	1.48	1.00	7.75	1.63	0.95		27	48	736	4.39	0.9	30	32.3	3.6	2.8	1.4		3.75	17.1	1.72	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
SDC-1 Meas		36.1	1.52	1.04	8.42	2.87	1.00		29	44	860	4.79	0.6	20	33.2	3.6	2.7	1.3		3.87	17.8	1.43	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
SDC-1 Meas		38.6	1.73	1.11	9.26	2.99	1.03		34	45	933	5.07	1.0	30	36.8	4.0	3.1	1.4		4.47	19.1	1.63	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas		4.9	1.44				7.57		143	134		7.11			265						55.1	0.54	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.8	1.33				8.18		152	137		6.75			261						52.9	0.51	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
OREAS 13b (4-Acid) Meas										> 5000					2100			0.93			68.5		
OREAS 13b (4-Acid) Cert										8650.00					2247.000			0.86			75		
OREAS 13b (4-Acid) Meas										> 5000					2100			0.94			70.1		
OREAS 13b (4-Acid) Cert										8650.00					2247.000			0.86			75		
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		155							0.3	233	89			3.3	84.6	3.4	3.2	1.1		7.46	22.3	1.79	0.70
SBC-1 Cert		163							0.40	220.0	109			3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
OREAS 45d (4-Acid) Meas		20.4	0.09	0.23	7.66	0.41	0.16		99	460	454	14.0	2.0		212	1.3	0.7	0.4		3.61	26.7	0.52	0.29
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas		22.2	0.09	0.25	8.13	0.41	0.18		102	502	488	14.6	1.7		229	1.3	0.7	0.4		3.78	28.3	0.53	0.33
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 216 (Fire Assay) Meas	6560																						



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 216 (Fire Assay) Cert	6660																						
OREAS 96 (4 Acid) Meas																			11.1		44.5		25.4
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 96 (4 Acid) Meas																			11.0		44.6		26.1
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 923 (4 Acid) Meas		30.6	0.32	1.78	7.76	2.68	0.45	0.3	85	74	949	6.27	3.3		33.2	2.6	2.0	0.9	1.89	6.31	21.0	1.10	20.5
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 923 (4 Acid) Meas		32.3	0.32	1.76	7.51	2.71	0.47	0.4	86	75	970	6.57	3.3		34.8	2.5	2.2	0.9	1.78	6.30	22.0	1.21	18.0
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 621 (4 Acid) Meas		13.4	1.39	0.54	6.56	2.03	1.88	277	35	29	524	3.90	4.4		30.4		1.7		62.0	3.03	30.2		4.12
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 221 (Fire Assay) Meas	1050																						
Oreas 221 (Fire Assay) Cert	1060																						
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
A0935181 Orig	111																						
A0935181 Dup	122																						
A0935186 Orig	< 5																						
A0935186 Dup	< 5																						
A0935188 Orig		17.5	2.94	1.65	7.88	1.97	2.38	< 0.1	65	89	551	3.59	2.9	30	60.5	1.3	1.4	0.4	0.20	2.71	18.4	1.05	0.30
A0935188 Dup		17.5	2.92	1.68	8.07	1.96	2.34	< 0.1	71	94	557	3.58	3.1	20	60.7	1.2	1.3	0.4	0.21	2.77	18.5	1.11	0.31
A0935191 Orig	45																						
A0935191 Dup	43																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	7	4	< 0.01	< 0.1	90	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	0.02
Method Blank																							

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank																							
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	4	2	< 0.01	< 0.1	40	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3	5	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	10	5	< 0.01	< 0.1	30	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	10	9	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		108	19.8	< 0.1	68.8		160	27	< 0.1			< 1	< 0.1		614	37.1	87.9		37.9	8.6	7.8	1.1	7.0
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas		104	22.6	< 0.1	117		174	24	< 0.1			< 1	< 0.1		640	43.0	90.1		40.2	9.0	6.4	0.9	6.1
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas		93.2	24.1	< 0.1	126		192	38	< 0.1			< 1	< 0.1		739	44.6	99.3		45.9	8.2	7.7	1.1	6.8
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas		66.5	13.7		3.5	16.2	148	40	1.5				0.5		111	3.6			5.0				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		59.6	13.7		3.3	15.9	147	40	1.4				0.5		97	3.7			4.7				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
OREAS 13b (4-Acid) Meas		131		46.7						8.55													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 13b (4-Acid) Meas		133		45.3						8.76													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		195	27.8	25.6	133	30.1	176	131	15.9	2.30		3	0.9		746	49.2	104	11.8	46.1	9.1	8.1	1.0	6.2
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas		40.8	20.2	5.8	37.2	9.8	27.6	82	0.1	0.11	< 0.1	< 1	< 0.1		168	16.7	33.3	3.5	13.1	2.8	2.2	0.3	2.2
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas		44.5	21.3	5.9	39.3	10.2	28.9	64	0.3	0.40	< 0.1	< 1	< 0.1		181	16.8	35.4	3.6	13.4	2.6	2.4	0.3	2.1
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 216 (Fire Assay) Meas																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 216 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	36.5	375										61	3.5										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 96 (4 Acid) Meas	36.7	378										60	3.9										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 923 (4 Acid) Meas	4.8	302	19.5	4.6	152	23.6	39.0	130	14.0	0.98	0.5	13	1.2		401	42.8	79.1	8.6	33.2	5.7	5.2	0.7	4.4
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 923 (4 Acid) Meas	5.5	317	19.6	4.2	153	23.4	41.1	124	14.5	0.89	0.5	14	1.2		427	41.8	79.9	9.1	35.0	5.6	5.2	0.7	4.6
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 621 (4 Acid) Meas	4.7	> 10000	29.5	72.7	75.8	12.2	89.2	188	10.6	16.0	1.9	6	100		25.1	49.9						0.5	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139		21.6	46.6						0.460	
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 221 (Fire Assay) Meas																							
Oreas 221 (Fire Assay) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
A0935181 Orig																							
A0935181 Dup																							
A0935186 Orig																							
A0935186 Dup																							
A0935188 Orig	< 0.1	69.3	19.3	< 0.1	65.0	10.9	454	103	1.3	0.70	< 0.1	1	< 0.1	< 0.1	562	29.1	59.7	6.5	25.2	4.3	3.2	0.4	2.2
A0935188 Dup	0.1	67.9	19.5	< 0.1	66.7	11.5	465	112	3.0	0.86	< 0.1	1	< 0.1	< 0.1	577	32.1	63.3	7.0	26.9	4.6	3.4	0.4	2.1
A0935191 Orig																							
A0935191 Dup																							
Method Blank																							
Method Blank																							
Method Blank	< 0.1	< 0.2	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank																							
Method Blank																							
Method Blank	< 0.1	0.9	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.20	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.26	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.2	< 0.1	0.4	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.13	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	0.3	< 0.1	0.3	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
SDC-1 Meas	28.8		0.5	3.3		< 0.1	< 0.1		0.61	23.5	16	11.7	2.8	0.0952	0.059	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
SDC-1 Meas	30.7		0.5	3.3		< 0.1	0.1		0.63	23.6		11.4	2.7			
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00		12.00	3.10			
SDC-1 Meas	32.1		0.5	3.6		< 0.1	< 0.1		0.71	26.1		12.5	3.0			
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00		12.00	3.10			
Oreas 72a (4 Acid Digest) Meas																1.59
Oreas 72a (4 Acid Digest) Cert																1.74
OREAS 101b (4 Acid) Meas														0.358	0.109	
OREAS 101b (4 Acid) Cert														0.35		
OREAS 98 (4 Acid) Meas																14.9
OREAS 98 (4 Acid) Cert																15.5
DNC-1a Meas	95.7			2.0						6.9	30			0.272		
DNC-1a Cert	100			2.0						6.3	31			0.29		
DNC-1a Meas	94.7			2.0						6.1						
DNC-1a Cert	100			2.0						6.3						
OREAS 13b (4-Acid) Meas	2150															1.16
OREAS 13b (4-Acid) Cert	2327.0 000															1.2
OREAS 13b (4-Acid) Meas	2180															
OREAS 13b (4-Acid) Cert	2327.0 000															
OREAS 904 (4 ACID) Meas											12				0.103	0.06
OREAS 904 (4 ACID) Cert											11.2				0.0980	0.0630
SBC-1 Meas	30.8		0.4	3.5	0.5	1.0	1.6		0.91	36.0	22	15.3	5.4	0.501		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
OREAS 45d (4-Acid) Meas	343			1.4	0.2	< 0.1	< 0.1		0.25	20.1	51	13.4	2.6	0.0979	0.035	0.04
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 45d (4-Acid) Meas	363			1.4	0.2	< 0.1	< 0.1		0.26	22.3		14.6	2.8			
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8		14.5	2.63			
OREAS 216 (Fire Assay) Meas																



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
OREAS 216 (Fire Assay) Cert																
OREAS 96 (4 Acid) Meas	> 10000									93.7						4.21
OREAS 96 (4 Acid) Cert	39300									101						4.19
OREAS 96 (4 Acid) Meas	> 10000									95.6						
OREAS 96 (4 Acid) Cert	39300									101						
OREAS 923 (4 Acid) Meas	4010		0.4	2.4	0.3	1.0	5.1		0.90	86.9	13	15.5	3.0	0.398	0.064	0.69
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 923 (4 Acid) Meas	4160		0.4	2.5	0.4	1.0	4.8		0.87	87.1		15.8	3.1			
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0		16.5	3.06			
OREAS 621 (4 Acid) Meas	3570			1.1	0.2		2.6		2.15	> 5000		7.5	2.7			
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600		7.48	2.83			
OREAS 522 (4 Acid) Meas											10			0.244	0.081	2.35
OREAS 522 (4 Acid) Cert											10.9			0.344	0.0890	2.50
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 77b (4 Acid Digest) Meas											3			0.0538		
Oreas 77b (4 Acid Digest) Cert											3.51			0.0640		
A0935181 Orig																
A0935181 Dup																
A0935186 Orig																
A0935186 Dup																
A0935188 Orig	48.9	0.3	0.2	1.2	0.1	< 0.1	0.2	< 0.001	0.48	13.3	13	6.7	1.8	0.285	0.073	0.27
A0935188 Dup	48.4	0.4	0.2	1.2	0.2	< 0.1	0.4	< 0.001	0.49	13.6	13	7.0	1.8	0.313	0.077	0.29
A0935191 Orig																
A0935191 Dup																
Method Blank																
Method Blank																
Method Blank	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank											< 1			<	< 0.001	< 0.01

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Method Blank														0.0005		
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	2.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	2.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			



Date Submitted: 25-Jul-19  
Invoice No.: A19-09632-Rev  
Invoice Date: 03-Sep-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

37 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay QOP AA-Au (Au - Fire Assay AA)

REPORT **A19-09632-Rev**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Elitsa Hrischeva". The signature is written in a cursive style and is positioned above a horizontal line.

Elitsa Hrischeva, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
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Date Submitted: 25-Jul-19  
Invoice No.: A19-09632-Rev  
Invoice Date: 03-Sep-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

## CERTIFICATE OF ANALYSIS

37 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code UT-6 QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS)

REPORT      **A19-09632-Rev**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



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Elitsa Hrischeva, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
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Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935194	12	19.2	2.84	1.66	6.75	1.16	3.69	< 0.1	107	69	726	4.19	3.4	30	34.7	2.3	1.2	0.7	0.14	1.58	15.8	1.03	0.25
A0935195	8	14.5	> 3.00	1.70	7.42	1.09	3.82	< 0.1	113	67	711	4.43	3.7	20	32.9	2.6	1.7	0.8	0.18	1.42	17.3	1.20	0.27
A0935196	8	18.2	> 3.00	1.52	7.44	1.48	3.24	< 0.1	96	84	720	3.99	4.8	10	25.2	2.3	1.5	0.7	0.23	1.55	12.9	1.12	0.20
A0935197	9	16.2	> 3.00	1.37	7.53	1.61	3.11	< 0.1	93	86	638	3.87	5.0	10	25.1	2.3	2.0	0.7	0.21	1.83	13.3	1.35	0.25
A0935198	38	18.2	> 3.00	1.70	6.90	1.59	4.13	< 0.1	112	94	796	4.52	3.7	20	39.0	2.5	1.9	0.8	0.23	1.92	17.6	1.59	0.21
A0935199	< 5	17.6	2.85	1.50	6.91	1.66	3.22	< 0.1	100	122	660	3.96	3.6	30	36.1	2.0	1.2	0.6	0.21	2.12	15.1	0.97	0.12
A0935200	< 5	21.1	> 3.00	1.50	7.47	1.74	3.09	< 0.1	101	100	623	4.06	3.7	30	33.0	2.1	1.3	0.6	0.31	2.79	15.6	0.97	0.18
A0935201	13	26.1	2.19	1.62	7.24	2.26	1.81	0.2	99	93	627	4.21	3.5	20	56.2	1.7	2.2	0.6	0.14	3.07	17.5	1.09	0.20
A0935202	517	41.0	2.37	1.77	7.97	2.96	1.48	7.6	125	100	708	5.04	4.9	30	66.3	1.9	3.3	0.6	0.58	3.93	23.6	1.73	0.38
A0935203	36	26.9	2.90	1.72	7.49	1.81	1.73	0.1	102	133	600	4.24	3.5	10	65.2	1.3	1.5	0.4	0.20	3.49	22.1	1.00	0.22
A0935204	26	27.2	2.42	1.81	7.88	1.93	1.60	< 0.1	110	123	601	4.63	3.5	10	69.8	1.4	1.4	0.5	0.28	2.93	24.2	1.11	0.22
A0935205	56	32.0	2.18	1.99	8.15	2.35	1.41	< 0.1	115	112	606	4.84	3.7	< 10	75.4	1.5	1.6	0.5	0.13	3.11	23.0	1.12	0.10
A0935206	14	27.9	2.29	1.72	7.54	2.25	1.82	< 0.1	102	132	611	4.62	3.5	30	66.0	1.4	1.3	0.4	0.20	3.20	23.5	0.97	0.15
A0935207	92	27.0	2.84	1.63	7.58	2.20	1.82	< 0.1	104	159	619	4.21	3.6	40	66.1	1.4	1.5	0.4	0.21	3.66	19.1	1.01	0.14
A0935208	12	36.2	2.86	2.06	8.20	2.61	1.50	< 0.1	131	120	607	5.15	3.5	40	87.7	1.7	2.5	0.6	0.42	4.28	24.9	1.18	0.58
A0935209	< 5	22.9	> 3.00	1.63	7.47	1.70	2.88	< 0.1	98	82	585	3.95	3.5	20	34.5	1.8	1.3	0.6	0.18	2.84	14.2	0.87	0.18
A0935210	10	22.3	> 3.00	1.54	7.33	1.60	3.21	< 0.1	104	86	592	3.95	3.5	10	33.0	1.9	2.7	0.6	0.41	3.71	14.7	0.96	0.42
A0935211	7	24.3	> 3.00	1.49	7.26	1.48	2.78	0.1	92	80	533	4.01	3.5	10	30.6	1.8	2.4	0.6	0.36	2.86	17.7	0.89	0.44
A0935212	34	28.8	> 3.00	1.68	6.77	1.15	3.56	0.2	95	116	568	4.58	3.2	< 10	47.2	2.2	2.1	0.8	0.46	1.69	26.8	2.17	0.65
A0935213	7	39.8	> 3.00	2.04	7.83	1.75	1.86	0.2	97	84	532	4.66	3.7	< 10	34.1	1.7	2.0	0.6	0.45	2.23	20.8	0.92	0.53
A0935214	7	52.8	1.88	2.70	8.50	1.60	1.41	0.3	132	116	614	5.42	2.9	30	73.9	1.7	1.2	0.6	0.34	2.36	21.2	1.16	0.28
A0935215	16	38.4	2.69	1.57	9.09	1.73	1.77	< 0.1	98	99	633	4.19	4.2	30	54.4	1.7	2.7	0.6	0.22	2.90	19.2	1.81	0.13
A0935216	46	23.1	> 3.00	1.35	6.69	1.82	3.58	0.1	98	93	713	3.90	3.6	30	55.5	1.5	2.4	0.5	0.21	2.64	19.6	1.63	0.16
A0935217	16	29.9	2.54	1.86	8.74	2.05	2.16	< 0.1	113	125	607	4.58	3.1	30	73.0	1.4	1.5	0.5	0.19	3.82	21.5	1.02	0.11
A0935218	14	30.6	1.80	1.97	8.92	2.65	1.61	0.2	107	115	626	4.72	3.0	40	78.3	1.3	1.6	0.5	0.34	3.34	22.5	1.00	0.27
A0935219	300	28.3	2.41	1.86	8.98	2.26	1.87	0.3	120	125	664	4.60	3.2	30	75.5	1.3	1.6	0.5	0.26	3.40	22.0	0.90	0.11
A0935220	230	34.9	2.24	2.25	9.48	2.27	2.32	0.4	139	138	756	5.19	3.2	20	85.5	1.7	1.7	0.6	0.27	3.55	24.3	1.40	0.12
A0935221	720	30.5	1.94	2.22	9.85	1.80	1.73	0.5	141	155	731	5.19	3.4	20	87.3	1.4	1.7	0.5	0.34	3.55	23.4	1.03	0.31
A0935222	139	29.4	2.26	2.01	8.81	1.40	1.72	< 0.1	127	122	667	4.59	3.1	30	78.6	1.4	1.5	0.5	0.14	3.42	23.1	0.98	0.05
A0935223	75	35.5	> 3.00	1.70	6.87	1.89	4.28	< 0.1	116	105	844	4.37	2.6	30	60.8	1.5	2.3	0.6	0.20	4.29	19.5	2.14	0.08
A0935224	58	44.7	> 3.00	1.60	8.20	2.19	2.04	0.1	110	98	816	4.80	3.3	30	61.2	1.3	3.4	0.5	0.26	3.44	18.0	1.40	0.11
A0935225	42	35.7	> 3.00	2.17	6.99	2.25	2.67	0.2	129	106	850	5.18	3.5	30	69.6	1.6	3.6	0.6	0.50	6.22	24.6	1.65	0.55
A0935226	8	18.9	> 3.00	1.48	6.76	1.42	2.55	0.2	94	112	691	3.73	3.9	30	48.8	1.4	4.2	0.5	0.29	3.40	19.1	1.69	0.28
A0935227	6	25.7	> 3.00	1.59	8.53	1.32	2.06	0.2	91	120	573	3.62	3.0	30	54.3	1.2	2.0	0.5	0.23	3.34	16.2	1.16	0.15
A0935228	< 5	22.0	2.85	1.54	7.57	1.64	3.42	< 0.1	76	111	644	3.46	2.5	30	51.2	1.1	1.2	0.4	0.17	2.78	15.6	1.08	0.05
A0935229	21	25.5	> 3.00	1.44	8.29	1.65	2.35	0.2	91	108	664	3.76	3.0	40	34.4	1.4	2.5	0.6	0.37	3.31	13.6	1.94	0.13
A0935230	17	35.8	2.92	3.21	8.39	1.94	3.66	1.7	180	133	1150	7.05	3.2	30	55.7	2.2	2.0	0.8	0.77	5.25	29.4	1.25	0.76



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935194	< 0.1	56.7	17.5	1.3	39.3	18.6	949	116	5.0	0.84	< 0.1	< 1	0.5	0.1	368	14.9	31.2	3.9	17.9	3.5	3.6	0.5	3.7
A0935195	0.1	53.9	19.7	< 0.1	34.7	20.7	> 1000	122	6.0	1.29	< 0.1	1	0.6	< 0.1	347	18.0	36.9	4.6	20.3	4.3	4.1	0.6	4.1
A0935196	< 0.1	67.1	19.7	< 0.1	48.3	18.9	976	191	10.0	0.48	< 0.1	1	0.5	0.1	319	26.1	48.6	5.5	22.3	4.4	4.2	0.5	3.8
A0935197	0.2	49.2	18.9	< 0.1	53.8	19.3	874	199	8.3	1.08	< 0.1	1	0.3	< 0.1	390	32.1	59.3	6.8	27.8	5.1	4.2	0.5	3.6
A0935198	0.2	52.4	16.5	< 0.1	53.0	22.0	732	126	7.2	2.04	< 0.1	1	0.3	< 0.1	507	33.0	66.3	8.0	33.7	6.2	5.2	0.7	4.3
A0935199	0.2	52.8	16.9	< 0.1	57.1	17.5	525	118	5.1	0.61	< 0.1	< 1	0.2	< 0.1	462	14.1	29.6	3.7	16.4	3.6	3.3	0.5	3.4
A0935200	0.3	52.7	19.1	< 0.1	65.6	17.3	516	125	5.3	0.57	< 0.1	1	0.2	< 0.1	460	14.2	29.6	3.6	16.4	3.6	3.3	0.5	3.3
A0935201	0.2	106	15.5	< 0.1	76.6	14.8	396	129	1.7	1.04	< 0.1	1	0.2	< 0.1	694	26.7	54.0	6.3	26.0	4.4	3.9	0.5	3.2
A0935202	0.3	509	18.4	< 0.1	89.8	16.9	573	193	7.8	1.91	0.1	1	0.2	0.2	805	41.7	83.0	10.0	42.0	7.4	5.8	0.6	3.9
A0935203	0.3	125	18.5	< 0.1	70.1	12.2	424	127	5.2	1.49	< 0.1	< 1	< 0.1	< 0.1	408	28.8	53.9	6.0	24.3	3.7	3.3	0.4	2.5
A0935204	0.2	78.3	18.0	< 0.1	69.6	12.8	353	124	5.4	1.27	< 0.1	1	0.1	< 0.1	503	28.4	54.5	6.1	25.1	4.5	3.5	0.4	2.7
A0935205	0.2	61.2	18.6	< 0.1	80.0	13.4	295	130	2.1	1.19	< 0.1	< 1	< 0.1	< 0.1	646	28.0	54.6	6.0	24.3	4.4	3.6	0.4	2.8
A0935206	0.1	61.4	17.7	< 0.1	79.3	12.3	345	124	3.4	0.93	< 0.1	< 1	0.1	< 0.1	562	27.1	52.2	5.8	22.9	4.2	3.3	0.4	2.5
A0935207	0.2	52.5	17.9	< 0.1	79.4	12.4	407	130	4.8	1.35	< 0.1	1	< 0.1	< 0.1	518	28.3	53.9	5.9	23.2	4.2	3.1	0.4	2.6
A0935208	0.1	60.3	20.5	< 0.1	91.9	14.2	298	120	3.9	1.31	< 0.1	1	0.2	< 0.1	608	28.5	55.9	6.4	26.0	4.9	3.9	0.5	3.1
A0935209	0.2	53.0	18.8	< 0.1	66.1	16.1	524	116	4.1	0.48	< 0.1	1	0.1	< 0.1	405	14.6	30.5	3.7	16.4	3.5	3.1	0.4	3.1
A0935210	0.2	57.3	18.7	2.4	63.2	16.8	517	112	5.4	0.62	< 0.1	1	0.1	< 0.1	357	13.6	28.9	3.6	16.0	3.7	3.3	0.5	3.1
A0935211	0.4	48.9	18.2	0.8	58.4	15.6	565	116	5.1	0.58	< 0.1	1	0.1	< 0.1	378	13.4	28.0	3.4	14.9	2.9	3.0	0.4	3.0
A0935212	0.4	74.7	17.0	< 0.1	41.5	21.0	786	107	6.1	0.29	< 0.1	1	0.5	0.2	333	75.8	180	16.3	67.8	10.9	7.7	0.8	4.4
A0935213	0.3	56.0	17.7	0.6	65.6	14.7	479	123	5.4	0.55	< 0.1	1	0.2	0.1	471	16.6	33.1	4.0	17.4	3.6	3.0	0.4	2.9
A0935214	0.2	137	24.1	1.3	81.4	17.0	304	113	5.0	1.68	< 0.1	1	0.3	0.1	682	22.8	51.8	6.1	26.3	3.8	4.1	0.6	3.0
A0935215	< 0.1	84.4	22.4	< 0.1	71.3	15.3	810	196	9.0	1.11	< 0.1	1	0.2	< 0.1	729	44.3	100	11.3	45.0	9.9	5.8	0.7	3.3
A0935216	< 0.1	77.9	20.5	< 0.1	53.1	13.3	709	164	6.5	1.03	< 0.1	< 1	0.2	< 0.1	489	35.3	85.8	8.8	33.8	9.3	4.7	0.5	2.7
A0935217	0.2	81.6	22.2	< 0.1	79.3	12.8	398	119	5.1	1.22	< 0.1	< 1	0.1	< 0.1	511	28.5	58.8	6.4	23.3	5.9	3.4	0.4	2.3
A0935218	0.2	157	24.8	< 0.1	92.9	12.9	309	109	2.9	1.73	< 0.1	1	0.1	< 0.1	619	28.8	59.6	6.7	25.5	4.8	3.3	0.4	2.4
A0935219	< 0.1	186	23.5	< 0.1	85.7	13.2	410	131	4.3	1.61	< 0.1	< 1	0.1	< 0.1	538	29.9	60.8	6.7	24.8	6.3	3.4	0.4	2.4
A0935220	< 0.1	264	26.5	< 0.1	89.4	16.1	479	126	4.5	1.59	< 0.1	< 1	0.2	< 0.1	628	42.5	89.4	9.8	36.9	8.1	4.8	0.6	3.0
A0935221	0.3	166	27.2	0.2	86.4	14.1	324	131	6.9	1.41	< 0.1	1	0.2	0.1	663	29.0	61.8	6.9	25.5	6.8	3.7	0.5	2.7
A0935222	< 0.1	70.2	24.8	6.6	68.0	13.0	351	120	5.5	1.21	< 0.1	1	0.1	< 0.1	633	26.3	55.6	6.2	22.7	6.5	3.5	0.4	2.5
A0935223	0.1	92.5	25.3	< 0.1	73.1	17.0	585	142	3.6	1.39	< 0.1	< 1	0.1	< 0.1	728	47.6	128	13.8	54.7	11.4	6.7	0.7	3.3
A0935224	< 0.1	113	26.9	< 0.1	55.7	12.2	492	144	13.8	1.56	< 0.1	1	0.2	< 0.1	663	36.0	92.2	9.2	35.0	9.2	4.4	0.5	2.4
A0935225	< 0.1	125	26.2	< 0.1	74.0	17.1	396	187	9.0	2.04	< 0.1	1	0.2	< 0.1	801	32.3	81.5	8.8	35.0	10.6	5.2	0.6	3.3
A0935226	0.1	66.1	17.9	< 0.1	43.9	15.1	427	165	9.5	1.87	< 0.1	1	0.2	< 0.1	295	51.5	110	11.0	39.2	10.1	4.8	0.6	2.7
A0935227	< 0.1	93.8	18.5	< 0.1	51.6	12.7	461	118	7.4	1.39	< 0.1	< 1	0.3	< 0.1	363	32.8	67.5	7.0	25.3	5.7	3.4	0.4	2.2
A0935228	< 0.1	70.5	17.2	0.3	55.8	10.7	615	97	3.6	0.74	< 0.1	< 1	0.1	< 0.1	394	27.3	58.9	6.2	23.7	5.7	3.1	0.4	2.0
A0935229	0.1	127	21.0	1.0	55.4	13.1	866	140	22.1	0.75	< 0.1	1	0.3	< 0.1	521	66.6	159	15.8	59.9	10.7	5.6	0.6	3.1
A0935230	0.4	285	21.9	2.8	71.7	20.1	573	137	6.2	1.03	0.1	2	0.3	0.2	433	21.9	49.1	5.9	24.3	6.2	4.3	0.7	3.5



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0935194	5.5	< 0.1	0.3	2.3	0.3	0.3	1.1	< 0.001	0.27	6.5	14	1.9	0.6	0.352	0.063	1.07
A0935195	4.0	< 0.1	0.3	2.5	0.4	0.4	1.3	< 0.001	0.24	8.0	15	2.2	0.7	0.376	0.068	0.91
A0935196	3.5	< 0.1	0.3	2.4	0.3	0.5	1.5	< 0.001	0.32	9.9	13	5.8	2.9	0.337	0.056	0.64
A0935197	4.9	< 0.1	0.3	2.3	0.3	0.4	1.4	< 0.001	0.35	10.1	12	5.3	1.8	0.325	0.063	0.83
A0935198	6.0	< 0.1	0.3	2.6	0.4	0.4	1.5	< 0.001	0.31	7.1	14	4.2	1.0	0.359	0.081	0.94
A0935199	5.3	< 0.1	0.3	2.2	0.3	0.3	1.5	< 0.001	0.38	7.9	13	1.8	0.6	0.345	0.061	0.71
A0935200	13.8	< 0.1	0.3	2.1	0.3	0.4	1.4	< 0.001	0.43	17.9	13	1.9	0.6	0.338	0.058	0.66
A0935201	38.4	0.3	0.2	1.7	0.3	< 0.1	0.4	< 0.001	0.54	23.3	16	6.3	1.8	0.322	0.065	0.26
A0935202	140	< 0.1	0.2	1.8	0.3	0.3	2.2	0.002	0.66	21.7	18	8.5	2.2	0.382	0.076	0.43
A0935203	46.4	0.4	0.2	1.3	0.2	0.3	3.3	< 0.001	0.53	19.8	15	7.2	2.1	0.347	0.068	0.13
A0935204	77.0	0.4	0.2	1.4	0.2	0.3	1.6	0.001	0.48	14.7	17	7.7	2.6	0.361	0.068	0.18
A0935205	41.9	0.4	0.2	1.5	0.2	< 0.1	0.7	0.002	0.49	10.4	17	8.3	2.3	0.363	0.066	0.11
A0935206	73.0	< 0.1	0.2	1.4	0.2	< 0.1	1.1	< 0.001	0.55	10.5	15	7.3	2.1	0.328	0.064	0.25
A0935207	52.7	0.1	0.2	1.4	0.2	0.2	2.0	< 0.001	0.55	9.6	15	7.5	2.1	0.349	0.065	0.26
A0935208	53.8	0.3	0.2	1.6	0.2	< 0.1	1.5	0.001	0.63	10.5	20	8.1	2.1	0.377	0.064	0.37
A0935209	27.0	0.2	0.3	2.0	0.3	0.1	1.2	< 0.001	0.41	9.4	13	2.3	0.7	0.323	0.055	0.37
A0935210	23.1	0.2	0.3	2.0	0.3	0.4	1.3	< 0.001	0.43	10.9	14	1.8	0.7	0.350	0.053	0.49
A0935211	88.0	< 0.1	0.3	1.9	0.3	0.4	3.9	< 0.001	0.37	10.9	12	2.0	0.6	0.305	0.054	0.63
A0935212	106	< 0.1	0.3	2.1	0.3	0.3	2.0	< 0.001	0.31	19.7	11	2.1	0.6	0.288	0.132	0.89
A0935213	102	< 0.1	0.2	1.9	0.3	0.4	1.9	< 0.001	0.41	20.5	12	1.9	0.6	0.309	0.054	0.67
A0935214	57.8	< 0.1	0.3	1.7	0.3	0.3	3.1	0.002	0.61	61.8	19	6.7	1.9	0.347	0.062	0.36
A0935215	44.0	< 0.1	0.2	1.6	0.2	0.4	2.2	0.001	0.58	14.4	12	11.1	2.3	0.316	0.066	0.26
A0935216	39.2	< 0.1	0.2	1.3	0.2	0.3	1.6	0.001	0.49	14.8	9	4.8	1.0	0.283	0.101	0.38
A0935217	45.9	0.2	0.2	1.4	0.2	0.3	1.3	0.001	0.56	18.8	16	7.4	2.1	0.346	0.069	0.31
A0935218	58.5	0.3	0.2	1.4	0.2	< 0.1	1.2	0.001	0.59	57.5	18	7.8	2.1	0.321	0.069	0.39
A0935219	62.9	0.2	0.2	1.4	0.2	0.2	2.0	0.001	0.57	35.4	16	7.6	2.3	0.334	0.066	0.40
A0935220	52.8	0.1	0.2	1.6	0.2	0.2	2.2	0.002	0.57	44.4	18	8.5	2.8	0.334	0.089	0.32
A0935221	53.8	< 0.1	0.2	1.5	0.2	0.5	3.3	0.001	0.60	62.5	19	8.2	2.2	0.381	0.073	0.35
A0935222	35.0	< 0.1	0.2	1.4	0.2	0.2	1.8	0.001	0.55	13.5	18	7.6	2.1	0.372	0.073	0.26
A0935223	26.5	< 0.1	0.2	1.5	0.2	< 0.1	1.7	0.001	0.68	15.6	9	4.5	1.4	0.288	0.178	0.26
A0935224	34.2	< 0.1	0.2	1.2	0.2	0.7	1.7	0.001	0.55	17.1	11	5.0	1.6	0.313	0.068	0.35
A0935225	42.2	< 0.1	0.2	1.5	0.2	0.1	2.6	0.001	0.86	33.8	13	7.1	1.2	0.372	0.156	0.52
A0935226	37.1	< 0.1	0.2	1.4	0.2	0.3	1.3	0.001	0.54	22.3	10	9.5	1.7	0.296	0.112	0.44
A0935227	27.4	0.1	0.2	1.2	0.1	0.4	1.2	< 0.001	0.47	31.8	12	8.1	2.1	0.287	0.065	0.38
A0935228	39.4	0.1	0.2	1.1	0.2	0.1	0.6	0.001	0.46	22.9	11	5.2	1.5	0.261	0.075	0.33
A0935229	37.3	< 0.1	0.2	1.4	0.2	0.8	1.7	< 0.001	0.54	32.7	9	8.3	9.3	0.281	0.094	0.45
A0935230	146	< 0.1	0.4	2.4	0.4	0.3	2.1	< 0.001	0.66	156	21	4.4	1.2	0.413	0.087	0.74

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		40.1	1.58	1.08	7.92	1.70	0.94		51	52	871	4.99	1.2	40	34.7	3.6	3.4	1.1		4.00	18.3	1.51	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																			40.6		103		86.9
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
DNC-1a Meas		4.7	1.45				7.53		139	164		6.67			253						57.8	0.53	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.6	1.49				8.26		156	151		7.11			270						55.8	0.52	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
OREAS 13b (4-Acid) Meas										> 5000					2410				0.99		74.9		
OREAS 13b (4-Acid) Cert										8650.00					2247.000				0.86		75		
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		184						0.4	218	111			3.6	86.8	3.4	3.7	1.1		7.93	23.6	1.81	0.71	
SBC-1 Cert		163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70	
SBC-1 Meas		173						0.3	245	102			3.4	89.2	3.4	3.4	1.2		9.14	23.2	1.76	0.65	
SBC-1 Cert		163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70	
OREAS 45d (4-Acid) Meas		19.8	0.09	0.16	7.49	0.38	0.16		136	586	457	13.3	2.3	206	1.2	0.7	0.5		3.61	26.3	0.55	0.34	
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31	
OREAS 220 (Fire Assay) Meas	859																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	859																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 96 (4 Acid) Meas																			11.6		49.1		27.4
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 923 (4 Acid) Meas		30.6	0.33	1.74	7.21	2.42	0.43	0.4	90	75	949	6.66	3.9		36.7	2.6	2.5	0.9	2.10	6.65	23.1	1.24	20.7
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 923 (4 Acid) Meas		32.6	0.34	1.86	7.64	1.74	0.49	0.5	95	79	1010	6.75	3.6		38.3	2.7	2.5	0.9	1.81	7.42	24.7	1.26	18.9
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 621 (4 Acid) Meas		14.2	1.47	0.50	6.29	2.17	1.88	253	35	57	561	3.80	4.8		32.7		1.9		68.5	3.41	30.1		3.98
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 238 (Fire Assay) Meas	3120																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2910																						
OREAS 238 (Fire Assay) Cert	3030																						
A0935200 Orig		21.8	> 3.00	1.52	7.49	1.79	3.18	< 0.1	103	112	637	4.09	3.8	40	33.0	2.1	1.3	0.7	0.32	2.84	15.8	0.96	0.19
A0935200 Dup		20.4	2.94	1.47	7.44	1.69	3.00	< 0.1	99	89	609	4.03	3.7	20	32.9	2.1	1.3	0.6	0.30	2.74	15.4	0.98	0.18
A0935203 Orig	38																						
A0935203 Dup	34																						
A0935213 Orig	7																						
A0935213 Dup	6																						
A0935217 Orig		29.5	2.48	1.81	8.58	1.79	2.12	< 0.1	112	125	584	4.45	3.0	30	71.3	1.4	1.5	0.5	0.19	3.64	20.8	1.02	0.10
A0935217 Dup		30.4	2.61	1.90	8.91	2.31	2.20	< 0.1	113	124	630	4.70	3.1	30	74.7	1.4	1.6	0.5	0.19	4.01	22.1	1.02	0.11
A0935223 Orig	72																						
A0935223 Dup	77																						
A0935230 Orig	18																						
A0935230 Dup	16																						
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	2	7	2	< 0.01	< 0.1	40	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	3	< 1	< 0.01	< 0.1	30	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		97.3	20.3	< 0.1	97.0		186	41	< 0.1			< 1	< 0.1		614	39.6	81.8		39.0	8.1	6.8	0.9	6.4
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas	140	1130										181	7.0										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
DNC-1a Meas		58.4	14.5		3.3	15.2	152	37	1.4				0.7		99	3.5			4.8				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		65.7	14.0		3.9	14.9	138	37	1.5				0.8		97	3.6			4.4				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
OREAS 13b (4-Acid) Meas		136		52.8						9.21													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		179	27.3	23.0	127	29.4	185	119	14.1	2.09		4	1.0		632	47.9	96.1	11.3	47.3	10.0	7.6	1.0	6.0
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas		205	30.6	25.1	150	29.8	186	123	14.7	2.32		3	0.9		667	51.6	111	12.4	49.8	11.5	7.7	1.1	6.2
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas		41.2	21.5	7.1	39.1	10.9	33.1	89	0.2	0.66	< 0.1	< 1	< 0.1		172	16.5	34.0	3.4	14.1	2.7	2.5	0.3	2.2
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	37.7	434										63	3.7										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 923 (4 Acid) Meas	5.8	333	18.5	4.2	147	24.4	43.9	132	14.0	0.98	0.5	13	1.2		432	42.0	76.5	8.7	34.9	6.6	5.7	0.7	4.9
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 923 (4 Acid) Meas	6.3	396	22.1	5.7	145	24.9	44.3	139	15.5	0.95	0.6	14	1.2		369	41.9	84.9	9.3	34.9	6.6	5.9	0.8	4.7
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 621 (4 Acid) Meas	8.9	> 10000	30.4	81.9	83.5	12.4	70.6	190	8.0	13.3	1.7	5	22.4			18.9	46.0						0.4
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6						0.460
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
A0935200 Orig	0.4	53.7	19.5	< 0.1	66.3	17.3	526	126	5.5	0.57	< 0.1	1	0.2	< 0.1	463	14.1	29.7	3.6	15.9	3.6	3.2	0.5	3.3
A0935200 Dup	0.3	51.8	18.7	< 0.1	65.0	17.3	507	123	5.1	0.57	< 0.1	1	0.2	< 0.1	456	14.3	29.6	3.7	16.8	3.6	3.3	0.5	3.3
A0935203 Orig																							
A0935203 Dup																							
A0935213 Orig																							
A0935213 Dup																							
A0935217 Orig	0.1	80.5	21.6	< 0.1	71.3	12.4	392	117	5.6	1.12	< 0.1	< 1	0.2	< 0.1	497	27.6	57.5	6.2	22.4	6.3	3.5	0.4	2.2
A0935217 Dup	0.3	82.6	22.9	< 0.1	87.3	13.2	403	122	4.7	1.32	< 0.1	< 1	0.1	< 0.1	525	29.3	60.1	6.6	24.2	5.6	3.4	0.4	2.5
A0935223 Orig																							
A0935223 Dup																							
A0935230 Orig																							
A0935230 Dup																							
Method Blank																							
Method Blank																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.1	1.1	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.13	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.2	0.5	0.2	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
SDC-1 Meas	29.6		0.5	3.4		< 0.1	< 0.1		0.60	22.9	16	11.5	2.6	0.137	0.058	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
Oreas 72a (4 Acid Digest) Meas																1.64
Oreas 72a (4 Acid Digest) Cert																1.74
OREAS 101b (4 Acid) Meas														0.355	0.112	
OREAS 101b (4 Acid) Cert														0.35		
OREAS 98 (4 Acid) Meas	> 10000									329						15.7
OREAS 98 (4 Acid) Cert	14800 0.0									345						15.5
DNC-1a Meas	95.3			1.9						5.7	30			0.272		
DNC-1a Cert	100			2.0						6.3	31			0.29		
DNC-1a Meas	92.7			1.9						5.4	30			0.277		
DNC-1a Cert	100			2.0						6.3	31			0.29		
OREAS 13b (4-Acid) Meas	2370															1.14
OREAS 13b (4-Acid) Cert	2327.0 000															1.2
OREAS 904 (4 ACID) Meas											12				0.101	0.06
OREAS 904 (4 ACID) Cert											11.2				0.0980	0.0630
SBC-1 Meas	31.8		0.5	3.4	0.5	1.0	1.7		0.89	34.0	21	15.6	5.5	0.498		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SBC-1 Meas	29.9		0.5	3.5	0.5	0.9	1.5		0.92	34.3	21	16.4	7.0	0.493		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
OREAS 45d (4-Acid) Meas	332			1.4	0.2	< 0.1	0.1		0.28	20.0	55	14.5	2.8	0.281	0.036	0.05
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 96 (4 Acid) Meas	> 10000									91.9						4.03
OREAS 96 (4 Acid) Cert	39300									101						4.19

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
OREAS 923 (4 Acid) Meas	4710		0.4	2.7	0.4	1.1	4.6		0.90	80.1	14	16.7	3.0	0.416	0.062	0.69
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 923 (4 Acid) Meas	4680		0.4	2.6	0.4	1.1	5.9		0.89	81.7	13	17.1	3.2	0.414	0.066	0.70
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 621 (4 Acid) Meas	4020			1.1	0.1		1.1		2.03	> 5000	7	4.9	2.7	0.183	0.036	4.39
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 621 (4 Acid) Meas											7			0.183	0.037	4.59
OREAS 621 (4 Acid) Cert											6.24			0.149	0.0359	4.48
OREAS 522 (4 Acid) Meas											11			0.359	0.085	2.34
OREAS 522 (4 Acid) Cert											10.9			0.344	0.0890	2.50
Oreas 77b (4 Acid Digest) Meas											4			0.0602		
Oreas 77b (4 Acid Digest) Cert											3.51			0.0640		
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
A0935200 Orig	16.5	< 0.1	0.3	2.2	0.3	0.4	1.4	< 0.001	0.45	18.1	13	1.8	0.7	0.344	0.059	0.68
A0935200 Dup	11.1	< 0.1	0.3	2.1	0.3	0.3	1.4	< 0.001	0.42	17.7	13	1.9	0.6	0.331	0.057	0.64
A0935203 Orig																
A0935203 Dup																
A0935213 Orig																
A0935213 Dup																
A0935217 Orig	44.6	0.1	0.2	1.3	0.2	0.3	1.5	0.001	0.55	18.3	16	7.2	2.1	0.346	0.069	0.31
A0935217 Dup	47.2	0.2	0.2	1.4	0.2	0.2	1.2	0.001	0.57	19.2	16	7.6	2.1	0.345	0.069	0.32
A0935223 Orig																
A0935223 Dup																
A0935230 Orig																
A0935230 Dup																
Method Blank																
Method Blank																

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	0.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	0.1	< 0.0005	< 0.001	< 0.01
Method Blank	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01





Date Submitted: 12-Aug-19  
Invoice No.: A19-10434  
Invoice Date: 11-Sep-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

89 Core samples were submitted for analysis.

The following analytical package(s) were requested:

UT-6	QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS)
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REPORT      **A19-10434**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
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TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613  
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Date Submitted: 12-Aug-19  
Invoice No.: A19-10434  
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Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

89 Core samples were submitted for analysis.

The following analytical package(s) were requested:

1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-10434**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Esemé, Ph.D.  
Quality Control

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## Results

## Activation Laboratories Ltd.

## Report: A19-10434

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935237	9	33.8	2.00	1.87	8.64	2.20	2.12	0.1	115	149	699	4.50	3.6	70	86.6	1.5	1.6	0.5	0.43	2.93	21.7	1.04	0.28
A0935238	116	36.4	1.41	2.69	7.27	2.02	4.09	1.0	193	130	1280	6.52	3.2	60	58.2	3.0	1.1	1.0	0.54	3.44	29.5	1.38	0.46
A0935239	69	23.5	2.49	1.41	7.64	1.95	2.56	0.8	87	118	642	3.82	3.3	50	60.0	1.4	1.2	0.5	0.40	2.43	18.4	1.08	0.52
A0935240	65	25.3	2.85	1.59	7.99	1.26	2.12	0.1	81	109	586	3.55	3.1	30	55.4	1.2	1.1	0.4	0.21	2.22	16.2	0.95	0.10
A0935241	79	23.4	2.66	1.48	7.71	1.50	2.62	2.7	74	97	670	3.59	3.0	50	54.1	1.3	1.1	0.4	0.54	1.93	15.9	0.89	0.26
A0935242	57	25.0	2.74	1.46	7.65	1.91	1.88	0.8	77	95	634	3.78	2.9	30	52.8	1.3	1.6	0.4	0.63	2.21	16.1	0.94	0.42
A0935243	57	23.4	> 3.00	1.84	8.34	1.47	1.95	0.1	78	113	781	3.97	3.3	110	59.8	1.4	1.2	0.4	0.16	2.55	18.3	1.07	0.07
A0935244	25	25.4	2.50	2.12	8.09	1.84	2.58	0.2	122	147	967	5.15	3.7	50	60.8	2.0	1.2	0.7	0.33	3.45	21.9	1.35	0.22
A0935245	182	24.5	2.13	1.90	7.23	2.07	2.93	0.2	101	106	810	4.27	2.8	100	62.6	2.1	1.3	0.7	0.41	3.26	16.8	1.25	0.44
A0935246	52	29.3	1.86	2.20	7.50	2.28	2.33	0.1	133	103	834	5.39	3.6	70	64.1	2.4	1.2	0.7	0.44	3.07	24.6	1.12	0.32
A0935247	256	61.3	> 3.00	1.02	9.52	2.66	2.60	0.2	90	32	1290	4.51	8.3	50	22.1	3.4	5.6	1.2	0.41	3.37	10.7	4.68	0.16
A0935248	65	32.3	> 3.00	2.11	8.49	2.60	2.73	0.2	125	111	824	5.14	3.7	40	87.5	2.0	1.8	0.6	0.45	4.28	25.1	1.42	0.34
A0935249	200	27.3	2.56	1.83	8.06	2.18	1.98	0.1	107	129	660	4.52	3.5	50	87.6	1.6	1.5	0.5	0.39	3.52	23.7	1.07	0.16
A0935250	359	28.0	2.57	2.12	7.73	1.77	3.79	0.2	136	126	992	5.25	3.3	40	64.8	2.2	1.4	0.8	0.40	3.32	23.1	1.20	0.17
A0935251	35	38.6	2.27	1.94	8.86	2.13	1.84	0.2	127	149	838	5.09	4.3	40	82.8	2.2	2.3	0.7	0.45	3.96	27.2	1.62	0.43
A0935252	16	30.1	2.85	1.95	8.81	2.33	1.95	< 0.1	119	128	697	4.69	3.3	40	102	1.6	1.7	0.5	0.23	3.68	25.4	0.98	0.21
A0935253	18	20.9	2.90	1.49	7.35	1.63	2.42	0.1	87	117	665	3.83	3.3	50	68.0	1.3	1.4	0.5	0.29	2.40	19.1	0.91	0.36
A0935254	48	23.4	2.73	1.90	7.72	1.68	1.60	0.1	92	121	690	4.35	3.2	80	73.1	1.3	1.2	0.4	0.22	2.69	19.5	0.94	0.17
A0935255	29	24.4	> 3.00	1.95	8.36	1.48	2.03	< 0.1	94	123	744	4.51	3.5	50	75.9	1.5	1.4	0.5	0.19	3.34	21.7	1.32	0.15
A0935256	10	26.7	> 3.00	1.83	8.15	1.84	2.08	< 0.1	96	114	706	4.30	3.2	10	72.7	1.4	1.7	0.5	0.16	3.18	20.7	1.08	0.21
A0935257	29	32.8	> 3.00	1.84	8.21	1.95	2.11	< 0.1	107	99	822	4.67	3.8	40	81.0	2.1	3.1	0.8	0.24	3.74	22.1	2.54	0.36
A0935258	6	37.4	> 3.00	1.89	8.40	1.68	1.82	< 0.1	106	136	671	4.66	3.3	50	87.5	1.5	2.2	0.6	0.19	3.71	22.8	1.26	0.29
A0935259	10	21.5	> 3.00	1.48	7.19	1.25	2.83	0.1	87	151	748	3.82	3.2	60	65.7	1.7	3.2	0.5	0.27	2.95	20.1	1.68	0.36
A0935260	6	34.2	> 3.00	3.17	6.53	1.97	6.64	0.1	92	82	1030	4.35	0.1	100	85.0	2.3	2.8	0.9	0.15	6.08	23.9	3.92	0.23
A0935261	6	54.6	> 3.00	0.52	> 10.0	2.43	2.23	< 0.1	35	12	518	2.72	6.0	80	6.6	1.1	2.6	0.4	0.25	1.72	4.0	1.54	0.06
A0935262	7	39.0	> 3.00	2.67	8.24	1.99	3.88	< 0.1	97	106	914	4.81	3.1	40	92.1	1.9	2.0	0.7	0.13	7.92	24.0	2.19	0.23
A0935263	12	34.0	2.76	2.15	9.32	2.21	1.69	< 0.1	125	122	794	5.08	3.6	30	99.8	1.8	1.4	0.6	0.14	3.03	27.3	1.14	0.27
A0935264	7	29.5	> 3.00	1.91	8.18	2.29	4.06	< 0.1	103	62	1020	4.68	2.6	40	67.1	2.6	1.9	0.9	0.18	3.52	21.8	3.99	0.30
A0935265	< 5	27.6	2.47	2.82	7.79	2.46	5.71	< 0.1	118	8	1370	6.84	0.3	50	24.2	3.7	5.4	1.4	0.09	4.35	28.8	6.79	0.32
A0935266	6	24.8	> 3.00	1.64	7.91	1.44	3.32	< 0.1	93	147	815	4.03	3.3	110	73.7	1.5	1.4	0.5	0.21	2.80	20.6	1.61	0.28
A0935267	7	21.7	2.69	1.69	8.00	1.46	2.48	0.1	92	136	708	4.08	3.3	80	75.7	1.4	1.3	0.5	0.19	2.57	21.2	1.01	0.24
A0935268	< 5	11.9	> 3.00	0.20	8.22	1.59	0.84	0.1	16	16	372	1.43	5.6	70	8.3	0.7	4.1	0.2	0.35	2.77	3.1	0.76	0.88
A0935269	12	22.9	2.86	0.82	8.04	1.48	1.32	< 0.1	46	47	474	2.53	4.3	60	26.6	1.0	3.4	0.3	0.31	8.99	9.1	0.73	0.75
A0935270	< 5	33.7	2.16	1.78	7.83	1.88	2.23	0.1	85	84	745	4.38	2.6	50	67.3	1.5	2.0	0.5	0.17	5.69	22.5	0.97	0.46
A0935271	< 5	34.8	2.22	1.97	8.77	1.79	1.34	< 0.1	105	88	561	4.96	3.1	40	78.1	1.6	1.5	0.5	0.13	3.46	24.2	0.99	0.29
A0935272	< 5	24.7	2.70	1.44	7.92	1.63	2.01	< 0.1	68	72	605	3.66	2.9	60	48.1	1.3	1.1	0.4	0.12	3.03	16.9	0.91	0.32
A0935273	< 5	25.5	2.62	1.48	7.68	1.36	1.68	< 0.1	80	73	533	3.90	3.3	50	48.2	1.2	1.0	0.4	0.10	2.77	17.0	0.92	0.24
A0935274	< 5	24.7	2.24	1.51	7.70	1.69	1.86	< 0.1	89	93	589	3.91	3.5	70	56.7	1.3	1.2	0.5	0.14	2.98	18.8	0.96	0.24
A0935275	13	25.6	1.99	1.56	7.35	1.66	1.93	< 0.1	92	89	573	4.19	3.2	50	66.3	1.7	1.2	0.5	0.14	2.90	22.0	0.99	0.26
A0935276	32	24.7	1.99	1.50	7.91	1.91	2.32	< 0.1	77	70	635	3.97	3.1	50	52.6	1.3	1.2	0.4	0.09	3.12	17.7	0.95	0.17
A0935277	41	24.8	1.75	1.44	7.24	1.73	2.31	0.1	84	95	655	4.12	4.0	50	57.3	1.4	1.2	0.5	0.14	2.75	18.4	1.04	0.23
A0935278	< 5	29.3	1.22	1.65	8.31	2.43	1.93	< 0.1	110	89	641	4.69	3.3	20	73.1	1.4	1.3	0.5	0.24	3.12	23.5	0.95	0.29



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935279	12	30.3	1.26	1.71	8.28	2.16	1.77	< 0.1	98	85	619	4.58	3.1	90	72.3	1.5	1.3	0.5	0.12	3.26	22.0	0.95	0.18
A0935280	47	26.6	1.25	1.48	8.12	2.15	2.28	< 0.1	96	79	653	4.12	3.3	70	58.3	1.3	1.2	0.5	0.28	3.37	20.0	1.02	0.15
A0935281	56	26.2	0.80	1.56	7.72	2.15	3.10	< 0.1	96	106	918	4.74	3.2	50	72.0	1.5	1.4	0.4	0.83	3.38	22.9	0.98	0.85
A0935282	103	29.8	1.00	1.47	8.04	1.68	1.97	< 0.1	98	111	701	4.39	3.5	60	62.4	1.4	1.4	0.4	0.31	3.57	19.8	0.94	0.04
A0935283		15.1	0.10	0.89	6.46	2.35	1.93	27.1	91	80	753	4.73	2.7	60	59.1	1.3	1.2	0.4	18.6	3.13	20.9	0.73	2.48
A0935284	656	19.1	0.13	1.13	7.75	2.40	3.08	2.9	96	71	966	3.69	3.2	50	60.9	1.3	1.6	0.5	1.85	3.71	19.2	0.85	1.16
A0935285	85	22.2	1.51	1.23	7.84	2.35	3.01	0.1	87	82	827	4.00	3.5	30	55.7	1.5	1.2	0.4	0.28	3.48	18.0	0.91	0.19
A0935286	24	25.7	1.76	1.59	8.40	2.43	2.00	< 0.1	112	88	687	4.73	3.2	10	71.2	1.5	1.2	0.5	0.17	3.18	23.3	0.97	0.21
A0935287	8	21.9	2.27	1.57	7.84	1.41	2.24	< 0.1	92	105	722	4.29	3.2	60	63.8	1.5	1.0	0.5	0.14	2.69	20.8	0.93	0.20
A0935288	47	24.2	2.07	1.60	8.10	1.28	1.69	< 0.1	108	126	614	4.41	3.4	60	69.8	1.4	1.2	0.4	0.17	2.72	23.4	0.83	0.15
A0935289	105	25.2	1.42	1.66	8.56	2.14	1.23	< 0.1	92	88	504	4.63	3.3	50	72.7	1.6	1.3	0.5	0.16	3.25	23.8	0.97	0.16
A0935290	12	18.1	2.08	1.26	6.99	1.61	2.12	< 0.1	62	64	596	3.17	3.2	100	45.2	1.3	1.1	0.4	0.14	2.58	15.3	0.80	0.15
A0935291	30	17.7	1.38	1.24	6.03	1.56	2.94	0.2	65	78	751	3.24	4.0	70	39.2	1.1	0.8	0.4	0.22	2.16	15.1	0.83	0.20
A0935292	< 5	19.0	1.76	1.34	6.58	1.70	2.12	< 0.1	82	96	549	3.62	4.5	40	46.3	1.4	1.0	0.4	0.26	2.22	17.3	0.89	0.20
A0935293	38	20.6	1.70	1.44	7.04	1.11	2.00	0.1	75	70	557	3.38	3.5	50	48.1	1.4	1.0	0.4	0.22	2.37	16.9	0.84	0.19
A0935294	8	21.3	2.21	1.43	7.66	0.96	2.02	0.1	72	93	549	3.27	3.2	60	45.6	1.2	1.1	0.4	0.14	2.54	15.5	0.79	0.10
A0935295	17	20.8	2.44	1.34	7.19	1.09	1.98	0.1	70	85	548	3.16	3.9	60	43.1	1.3	0.9	0.4	0.17	2.15	14.5	0.78	0.11
A0935313	11	25.6	1.51	1.59	7.32	1.40	2.20	0.1	86	112	613	3.64	3.5	50	61.8	1.3	1.1	0.4	0.20	2.81	19.8	0.83	0.12
A0935314	208	23.0	1.27	1.51	6.84	1.53	3.12	0.2	80	105	779	3.66	3.3	100	60.4	1.3	1.1	0.4	0.19	2.71	18.4	0.94	0.15
A0935315	45	24.5	0.76	1.55	7.29	1.69	3.48	0.4	90	106	859	3.63	3.3	80	64.4	1.3	1.2	0.4	0.59	3.24	19.1	0.92	0.68
A0935316	121	24.4	1.34	1.59	7.15	1.90	2.35	0.2	78	91	738	3.59	3.1	60	57.6	1.2	1.1	0.4	0.21	2.77	18.1	0.98	0.13
A0935322	2520	20.9	0.19	1.08	7.46	3.43	0.37	0.5	100	93	395	3.92	3.1	60	69.2	1.2	1.5	0.4	1.72	3.46	19.9	0.90	0.23
A0935323	451	18.4	0.58	0.93	7.63	3.05	1.13	1.4	111	100	625	4.32	3.2	50	82.1	1.3	1.6	0.5	0.69	3.68	23.1	0.89	0.22
A0935324	2880	15.7	0.96	0.65	6.90	2.00	1.56	3.8	88	97	555	3.88	2.9	70	76.1	1.1	1.4	0.4	2.21	2.93	21.0	0.91	0.38
A0935325	167	22.2	1.28	1.53	7.49	1.87	1.84	0.4	93	91	755	4.10	3.3	60	69.5	1.3	1.3	0.4	0.24	3.10	20.9	0.93	0.11
A0935329	75	26.8	0.73	1.81	8.33	2.12	1.56	< 0.1	114	110	611	4.34	3.3	50	87.1	1.5	1.4	0.5	0.54	2.90	24.9	0.93	0.38
A0935330	114	15.0	0.48	1.23	6.07	1.84	3.55	2.9	76	84	1360	3.41	2.5	50	60.7	1.1	1.2	0.4	0.98	2.59	16.6	0.91	0.17



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935237	1.6	200	20.7	1.7	86.7	11.2	411	129	7.2	1.90	< 0.1	1	0.2	0.1	209	30.0	67.2	7.1	27.2	4.5	3.8	0.4	2.4
A0935238	1.7	360	18.1	0.8	80.1	22.4	434	116	4.9	1.11	< 0.1	1	0.1	< 0.1	190	22.1	52.6	6.1	26.4	4.5	5.3	0.6	4.6
A0935239	1.5	176	16.5	1.5	74.8	11.4	501	121	5.1	2.37	< 0.1	< 1	0.2	< 0.1	307	28.1	60.4	6.3	24.2	3.6	3.5	0.4	2.2
A0935240	1.3	113	16.7	0.9	48.5	9.9	474	116	4.9	1.95	< 0.1	< 1	0.1	< 0.1	470	25.1	54.6	5.8	21.7	3.9	3.2	0.3	2.0
A0935241	1.4	399	16.5	1.0	53.4	9.4	432	106	4.6	2.34	< 0.1	< 1	0.2	0.2	425	24.3	51.6	5.5	21.2	3.4	3.2	0.3	2.0
A0935242	1.3	213	17.3	2.3	66.6	10.0	446	113	5.8	2.12	< 0.1	< 1	0.2	0.2	217	26.6	57.9	6.1	23.2	3.8	3.3	0.3	2.1
A0935243	1.1	120	18.1	2.8	55.9	10.7	524	119	1.5	1.43	< 0.1	< 1	< 0.1	< 0.1	465	30.4	65.4	6.8	26.7	4.3	3.4	0.4	2.4
A0935244	1.0	163	18.5	1.9	66.6	15.9	565	140	4.3	1.82	< 0.1	1	0.3	0.1	464	34.7	73.3	7.9	30.8	5.0	4.2	0.5	3.3
A0935245	1.1	95.3	17.1	2.5	73.6	15.9	489	98	0.4	0.90	< 0.1	< 1	< 0.1	< 0.1	615	27.3	58.9	6.3	25.6	4.8	4.0	0.5	3.1
A0935246	1.3	106	19.7	344	84.7	18.0	394	121	5.7	1.53	< 0.1	1	0.3	0.2	361	23.5	53.3	6.0	24.7	3.7	4.1	0.5	3.4
A0935247	0.6	160	20.3	< 0.1	82.2	29.3	> 1000	377	15.6	1.99	< 0.1	2	0.1	0.3	1480	105	229	27.1	111	17.7	13.3	1.3	7.0
A0935248	1.1	119	21.4	355	98.7	15.5	736	130	7.3	4.90	< 0.1	1	0.2	0.3	378	44.8	91.4	9.6	37.1	6.3	4.7	0.5	3.1
A0935249	1.1	87.6	20.1	53.5	78.2	12.1	593	122	5.8	2.49	< 0.1	1	0.1	0.1	263	28.4	63.4	6.8	26.1	4.7	3.4	0.4	2.5
A0935250	1.1	109	18.3	24.0	72.5	18.1	672	122	4.7	2.28	< 0.1	1	0.2	0.1	271	24.7	55.1	6.2	24.8	5.6	4.5	0.5	3.5
A0935251	1.1	121	21.9	135	87.1	17.7	620	165	8.0	1.63	< 0.1	1	0.2	0.3	307	43.8	96.9	10.7	42.0	6.2	5.8	0.6	3.8
A0935252	0.9	106	21.3	136	86.6	12.4	499	123	4.4	2.39	< 0.1	1	0.2	0.1	358	27.7	62.0	6.6	26.0	4.3	3.7	0.4	2.4
A0935253	1.1	64.0	17.2	4.3	63.3	11.3	504	117	4.9	2.79	< 0.1	< 1	0.1	0.1	314	26.5	57.1	6.2	23.4	3.9	3.2	0.4	2.1
A0935254	1.0	75.2	19.0	2.0	62.5	10.0	431	114	4.9	1.80	< 0.1	< 1	0.2	< 0.1	429	26.7	57.7	6.2	24.6	4.0	3.3	0.3	2.1
A0935255	1.0	83.0	19.1	1.3	54.9	12.8	555	120	2.3	2.18	< 0.1	< 1	< 0.1	< 0.1	578	36.2	77.2	8.2	32.7	5.6	4.3	0.4	2.6
A0935256	1.0	74.9	18.0	1.0	66.0	11.3	430	112	5.9	2.57	< 0.1	< 1	0.1	< 0.1	619	27.0	59.5	6.5	25.7	3.8	3.3	0.4	2.3
A0935257	0.9	98.9	20.4	< 0.1	74.3	18.9	731	149	10.4	1.82	< 0.1	1	< 0.1	< 0.1	786	63.6	139	15.6	62.0	9.9	7.3	0.7	4.0
A0935258	1.1	76.8	19.3	< 0.1	61.4	13.4	431	121	6.9	2.04	< 0.1	< 1	0.1	0.1	763	35.9	74.3	7.8	29.9	4.8	4.0	0.4	2.5
A0935259	1.2	70.4	16.9	< 0.1	47.7	14.2	635	119	10.3	2.03	< 0.1	1	0.2	< 0.1	504	58.5	116	12.0	45.3	7.2	4.7	0.5	2.9
A0935260	0.7	98.6	15.6	< 0.1	81.0	22.6	814	32	< 0.1	1.36	< 0.1	< 1	< 0.1	< 0.1	271	106	216	25.4	101	17.4	10.9	1.0	5.0
A0935261	1.0	74.7	24.4	< 0.1	64.6	8.9	636	335	25.6	0.13	< 0.1	< 1	< 0.1	< 0.1	1040	30.5	77.8	9.2	38.3	5.9	4.2	0.4	2.1
A0935262	1.0	101	18.5	< 0.1	82.6	16.8	546	120	3.4	1.26	< 0.1	< 1	0.1	< 0.1	440	65.2	137	15.2	59.5	10.0	6.4	0.6	3.5
A0935263	1.3	106	22.5	< 0.1	72.9	13.6	372	129	5.6	1.75	< 0.1	1	< 0.1	< 0.1	882	30.3	67.4	7.1	28.6	5.3	3.9	0.4	2.9
A0935264	0.7	129	18.9	< 0.1	85.4	23.4	> 1000	173	0.7	1.11	< 0.1	< 1	< 0.1	< 0.1	1000	107	223	26.6	107	19.2	11.1	1.0	5.5
A0935265	0.4	148	15.4	< 0.1	85.6	36.7	> 1000	39	< 0.1	0.88	< 0.1	< 1	< 0.1	< 0.1	2500	123	287	36.4	157	25.8	19.6	1.7	9.1
A0935266	1.2	77.3	17.6	< 0.1	54.1	13.6	689	121	6.0	1.54	< 0.1	1	0.2	< 0.1	648	38.9	86.6	9.6	39.5	6.7	4.8	0.5	2.8
A0935267	0.9	83.1	18.8	< 0.1	54.8	12.3	492	122	3.3	1.40	< 0.1	< 1	< 0.1	< 0.1	665	27.7	60.5	6.4	25.0	4.2	3.5	0.4	2.4
A0935268	1.1	63.0	23.2	0.4	81.1	6.1	358	187	12.5	2.16	< 0.1	< 1	0.2	< 0.1	458	33.7	71.2	6.8	23.0	3.8	2.2	0.2	1.1
A0935269	1.0	73.5	21.0	2.2	84.8	8.0	292	156	8.5	2.32	< 0.1	< 1	0.2	< 0.1	576	30.0	62.3	6.1	21.1	4.1	2.4	0.2	1.5
A0935270	1.0	79.8	19.7	11.3	83.9	13.2	253	93	0.1	1.03	< 0.1	< 1	< 0.1	< 0.1	546	27.5	59.0	6.3	24.3	4.0	3.4	0.4	2.6
A0935271	1.0	104	22.7	13.8	76.5	13.1	236	110	0.6	1.18	< 0.1	1	0.1	< 0.1	625	28.6	61.1	6.4	25.0	4.5	3.8	0.4	2.5
A0935272	0.8	69.1	17.2	6.2	66.5	10.7	213	110	0.1	0.58	< 0.1	< 1	< 0.1	< 0.1	480	29.2	58.1	6.1	23.3	3.2	2.9	0.3	2.1
A0935273	1.1	75.1	18.4	6.4	57.3	9.8	221	126	1.9	1.18	< 0.1	< 1	0.1	< 0.1	486	27.6	57.3	5.9	22.3	3.3	2.9	0.3	2.0
A0935274	0.9	74.2	19.2	13.7	70.9	11.2	210	132	3.5	1.34	< 0.1	1	0.1	< 0.1	522	27.8	57.6	6.0	24.1	2.8	3.1	0.3	2.4
A0935275	0.9	82.0	19.4	14.3	68.9	12.4	226	115	0.3	0.99	< 0.1	< 1	< 0.1	< 0.1	517	29.0	59.9	6.3	24.3	4.2	3.1	0.4	2.5
A0935276	1.2	72.7	19.0	14.1	75.3	10.7	217	109	0.3	0.76	< 0.1	< 1	< 0.1	< 0.1	545	27.0	57.2	6.1	22.4	3.5	2.9	0.3	2.1
A0935277	1.1	91.5	18.9	23.9	65.9	11.9	195	134	2.0	1.19	< 0.1	1	0.2	< 0.1	504	31.8	65.3	6.8	24.9	4.5	3.6	0.4	2.3
A0935278	1.2	101	21.6	31.2	91.4	11.8	168	120	6.3	1.29	< 0.1	2	0.3	< 0.1	470	28.8	60.7	6.4	24.7	4.5	3.3	0.4	2.4



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935279	0.9	95.2	21.5	27.7	84.6	11.8	163	111	2.1	0.89	< 0.1	1	0.2	< 0.1	574	28.1	60.4	6.3	23.6	3.6	3.4	0.4	2.2
A0935280	1.2	86.3	20.3	37.1	87.0	10.7	175	120	5.7	1.14	< 0.1	1	0.9	< 0.1	473	28.0	58.4	6.1	23.6	3.4	3.0	0.3	2.1
A0935281	1.4	91.9	19.8	16.4	88.2	10.7	211	111	5.8	1.21	< 0.1	1	1.0	0.1	355	26.0	55.4	5.9	22.9	3.6	3.0	0.4	2.2
A0935282	1.1	105	20.6	3.6	81.3	10.2	188	126	6.0	1.03	< 0.1	1	0.3	< 0.1	527	26.0	58.2	5.9	22.4	3.7	3.3	0.3	2.1
A0935283	2.6	4620	16.8	101	94.9	9.6	153	93	4.6	1.78	< 0.1	2	3.4	1.4	55	20.0	45.5	4.8	19.3	3.3	2.6	0.3	1.9
A0935284	1.6	501	19.1	92.0	103	11.4	208	114	5.4	1.22	< 0.1	1	1.7	0.4	243	25.6	54.9	5.7	22.3	3.7	3.1	0.3	2.1
A0935285	1.2	79.1	18.1	17.3	93.0	11.4	219	130	5.3	0.99	< 0.1	1	0.4	< 0.1	549	29.0	59.7	6.1	23.4	3.9	3.1	0.4	2.1
A0935286	1.1	89.1	20.9	65.5	92.9	11.9	245	116	6.5	1.25	< 0.1	1	0.3	< 0.1	590	28.5	60.1	6.4	25.0	4.4	3.2	0.4	2.7
A0935287	1.0	82.0	19.1	177	57.2	11.5	297	116	2.3	1.14	< 0.1	1	< 0.1	< 0.1	483	28.2	58.5	6.0	23.8	3.5	3.1	0.4	2.2
A0935288	1.2	82.0	21.2	59.0	55.0	11.0	242	124	6.1	1.47	< 0.1	1	0.2	< 0.1	601	24.4	56.0	5.4	21.6	3.1	3.0	0.4	2.1
A0935289	1.2	102	22.0	43.2	79.0	12.8	206	109	0.3	0.83	< 0.1	1	0.2	< 0.1	734	30.7	65.2	6.9	26.8	4.2	3.7	0.4	2.4
A0935290	1.1	72.7	16.7	4.4	66.2	10.6	244	114	0.7	0.81	< 0.1	1	0.1	< 0.1	571	26.2	54.4	5.5	21.5	3.1	2.9	0.3	2.0
A0935291	0.9	75.8	14.9	3.6	62.1	10.5	258	148	2.7	1.98	< 0.1	< 1	0.3	< 0.1	510	28.9	59.9	5.9	22.8	3.2	2.8	0.3	2.0
A0935292	0.9	72.5	16.0	< 0.1	65.6	10.9	206	170	5.5	1.89	< 0.1	< 1	0.4	< 0.1	515	35.1	69.4	6.8	25.8	4.0	3.3	0.4	2.3
A0935293	0.9	91.5	17.0	4.4	46.2	10.8	226	120	3.0	0.99	< 0.1	1	0.2	< 0.1	545	30.4	62.9	6.1	24.0	4.0	3.0	0.3	2.1
A0935294	0.9	77.2	18.0	3.8	42.2	10.0	269	115	2.9	1.18	< 0.1	1	0.1	< 0.1	566	26.2	55.3	5.6	21.2	3.6	2.5	0.3	2.0
A0935295	1.1	69.2	17.2	< 0.1	44.7	10.8	217	142	4.8	1.23	< 0.1	< 1	0.3	< 0.1	491	27.8	57.2	5.7	22.2	3.8	2.9	0.3	2.1
A0935313	0.8	77.3	18.2	< 0.1	56.4	10.0	174	129	4.8	1.06	< 0.1	< 1	0.5	< 0.1	526	24.0	54.0	5.5	21.3	4.1	2.9	0.3	2.0
A0935314	1.0	94.6	16.4	< 0.1	62.7	11.4	210	119	4.4	1.21	< 0.1	< 1	0.4	< 0.1	482	24.3	52.5	5.5	22.2	3.5	2.9	0.3	2.1
A0935315	1.3	112	18.7	1.2	70.9	11.6	234	117	3.7	1.56	< 0.1	< 1	0.4	0.1	645	25.4	55.3	5.8	23.4	3.9	3.3	0.3	2.4
A0935316	1.2	105	17.8	0.8	72.2	10.6	158	113	4.2	1.30	< 0.1	< 1	0.4	< 0.1	492	25.2	53.2	5.7	22.2	4.2	3.0	0.3	2.1
A0935322	1.0	186	19.8	57.5	124	9.9	109	110	5.4	1.18	< 0.1	1	0.9	0.2	97	25.6	57.6	6.0	25.0	4.0	3.2	0.3	2.0
A0935323	1.4	350	20.6	3.0	122	10.5	191	114	5.8	1.59	< 0.1	1	1.2	0.1	68	23.0	52.2	5.9	23.7	4.0	3.1	0.4	2.4
A0935324	1.3	815	17.9	3.3	91.6	10.3	170	98	5.1	1.80	< 0.1	1	4.3	0.2	65	22.8	51.1	5.5	22.4	3.8	3.0	0.4	2.3
A0935325	1.0	140	19.6	5.1	82.1	10.7	178	115	5.6	1.19	< 0.1	1	0.6	< 0.1	390	25.4	56.0	5.9	23.7	3.7	3.1	0.3	2.2
A0935329	0.9	168	21.5	184	88.0	12.5	158	116	5.9	1.39	< 0.1	1	0.7	< 0.1	363	25.5	57.5	6.1	25.3	4.5	3.6	0.4	2.4
A0935330	1.3	624	15.8	235	78.7	9.5	208	86	4.1	1.72	< 0.1	< 1	1.7	0.1	317	18.4	40.9	4.2	17.8	3.5	2.5	0.3	1.8



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
A0935237	75.4	< 0.1	0.2	1.3	0.2	0.5	4.9	0.003	0.64	61.4	17	8.2	2.4	0.371	0.072	0.91	
A0935238	99.7	0.1	0.4	2.4	0.4	0.1	2.6	0.002	0.56	111	29	4.8	1.3	0.569	0.095	1.07	
A0935239	86.6	< 0.1	0.2	1.2	0.2	0.4	2.7	0.002	0.47	57.9	12	7.0	1.9	0.296	0.058	0.70	
A0935240	50.2	< 0.1	0.2	1.1	0.2	0.4	2.8	< 0.001	0.44	15.1	12	6.8	1.9	0.295	0.059	0.41	
A0935241	58.8	< 0.1	0.1	1.0	0.1	0.4	2.3	0.001	0.40	234	11	6.4	1.7	0.275	0.055	0.51	
A0935242	81.5	< 0.1	0.1	1.0	0.2	0.4	2.3	< 0.001	0.42	208	11	6.5	1.9	0.275	0.056	0.61	
A0935243	22.8	0.4	0.2	1.1	0.2	< 0.1	0.4	< 0.001	0.49	34.4	13	7.5	2.1	0.311	0.064	0.24	
A0935244	61.2	< 0.1	0.2	1.7	0.3	0.2	1.3	0.001	0.51	51.6	18	7.3	2.1	0.386	0.074	0.45	
A0935245	40.2	0.2	0.2	1.7	0.2	< 0.1	0.2	0.001	0.56	18.8	19	6.2	1.7	0.300	0.069	0.27	
A0935246	76.6	< 0.1	0.3	1.9	0.3	0.4	3.0	0.001	0.55	15.2	22	7.0	1.9	0.452	0.085	0.60	
A0935247	11.1	< 0.1	0.4	2.6	0.4	0.6	1.1	< 0.001	0.99	24.9	7	31.3	2.7	0.362	0.102	0.21	
A0935248	62.7	< 0.1	0.2	1.5	0.3	0.5	3.0	0.002	0.72	22.7	19	8.5	2.3	0.388	0.075	0.63	
A0935249	63.6	< 0.1	0.2	1.3	0.2	0.4	3.9	0.001	0.57	14.7	17	6.9	2.0	0.365	0.070	0.75	
A0935250	69.0	< 0.1	0.3	1.9	0.3	0.3	8.5	0.001	0.57	12.5	20	5.2	1.4	0.430	0.084	0.81	
A0935251	65.3	< 0.1	0.3	1.8	0.3	0.4	4.4	0.001	0.71	17.3	19	7.8	2.2	0.397	0.074	0.73	
A0935252	64.0	< 0.1	0.2	1.3	0.2	0.3	2.0	0.002	0.63	13.6	20	7.6	2.2	0.375	0.067	0.52	
A0935253	57.1	< 0.1	0.2	1.1	0.2	0.3	27.9	0.001	0.46	14.0	13	6.5	1.8	0.316	0.065	0.50	
A0935254	44.1	< 0.1	0.2	1.1	0.2	0.2	1.3	0.001	0.45	11.0	14	6.6	1.9	0.343	0.070	0.38	
A0935255	42.1	0.2	0.2	1.2	0.2	< 0.1	0.6	0.001	0.50	10.4	14	7.3	2.1	0.343	0.081	0.27	
A0935256	54.8	< 0.1	0.2	1.1	0.2	0.4	3.2	0.001	0.50	11.3	15	7.0	2.1	0.335	0.068	0.28	
A0935257	51.5	< 0.1	0.3	1.7	0.2	0.4	1.3	0.001	0.63	14.4	15	10.3	2.6	0.347	0.091	0.36	
A0935258	66.9	< 0.1	0.2	1.3	0.2	0.3	2.4	0.001	0.60	14.0	16	8.6	2.9	0.346	0.067	0.32	
A0935259	85.1	< 0.1	0.2	1.3	0.2	0.4	1.1	0.001	0.45	16.4	13	8.5	2.3	0.311	0.079	0.53	
A0935260	57.2	< 0.1	0.2	1.6	0.2	< 0.1	0.2	0.001	0.73	13.9	12	9.8	2.1	0.145	0.204	0.12	
A0935261	5.8	< 0.1	0.1	1.0	0.1	1.3	0.7	< 0.001	0.70	12.7	1	1.6	5.4	0.155	0.059	0.02	
A0935262	66.2	< 0.1	0.2	1.5	0.2	< 0.1	0.4	< 0.001	0.71	10.4	16	7.5	2.0	0.309	0.108	0.25	
A0935263	61.9	0.2	0.2	1.4	0.2	0.3	1.5	0.002	0.46	12.0	19	8.1	2.3	0.384	0.073	0.19	
A0935264	57.8	< 0.1	0.3	1.8	0.3	< 0.1	0.3	< 0.001	0.59	16.5	14	8.6	2.2	0.197	0.236	0.22	
A0935265	42.0	< 0.1	0.4	2.5	0.4	< 0.1	< 0.1	< 0.001	1.12	27.0	15	11.6	3.7	0.0566	0.384	0.03	
A0935266	68.1	< 0.1	0.2	1.3	0.2	0.3	1.5	0.001	0.56	15.1	15	6.7	2.1	0.333	0.105	0.29	
A0935267	65.3	0.1	0.2	1.2	0.2	< 0.1	0.6	0.001	0.53	12.7	15	7.2	2.1	0.347	0.071	0.22	
A0935268	9.3	< 0.1	< 0.1	0.5	< 0.1	0.4	0.4	< 0.001	0.91	45.1	2	16.2	8.1	0.113	0.019	0.04	
A0935269	22.0	< 0.1	0.1	0.8	0.1	0.3	0.9	0.001	1.18	35.2	7	12.3	4.8	0.198	0.035	0.09	
A0935270	49.6	0.3	0.2	1.3	0.2	< 0.1	< 0.1	0.001	0.70	19.7	17	8.4	2.5	0.219	0.054	0.15	
A0935271	58.6	0.5	0.2	1.3	0.2	< 0.1	0.1	0.001	0.61	16.8	20	9.3	2.6	0.299	0.059	0.14	
A0935272	48.8	0.2	0.2	1.1	0.2	< 0.1	< 0.1	< 0.001	0.46	14.6	12	8.3	2.5	0.203	0.048	0.12	
A0935273	47.5	0.4	0.2	1.0	0.2	< 0.1	0.3	< 0.001	0.43	13.8	12	8.7	2.5	0.291	0.052	0.16	
A0935274	49.2	< 0.1	0.2	1.2	0.2	< 0.1	0.6	< 0.001	0.48	14.4	14	8.6	2.5	0.315	0.056	0.16	
A0935275	59.6	< 0.1	0.2	1.3	0.2	< 0.1	< 0.1	< 0.001	0.47	15.6	16	9.5	2.8	0.266	0.052	0.15	
A0935276	43.1	0.1	0.2	1.2	0.2	< 0.1	< 0.1	< 0.001	0.51	16.4	13	8.1	2.4	0.225	0.048	0.12	
A0935277	56.5	0.1	0.2	1.2	0.2	< 0.1	0.4	0.001	0.45	17.5	14	10.5	3.2	0.297	0.056	0.27	



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
A0935278	69.0	< 0.1	0.2	1.3	0.2	0.5	2.1	< 0.001	0.54	21.0	18	8.9	2.8	0.346	0.057	0.40	
A0935279	52.3	0.1	0.2	1.2	0.2	< 0.1	0.5	0.001	0.59	16.1	17	8.7	2.4	0.313	0.056	0.30	
A0935280	50.7	< 0.1	0.2	1.2	0.2	0.4	1.9	0.001	0.63	16.6	15	8.4	2.4	0.323	0.056	0.41	
A0935281	89.8	< 0.1	0.2	1.2	0.2	0.5	2.0	0.001	0.64	68.3	15	8.4	2.4	0.306	0.052	0.79	
A0935282	60.9	< 0.1	0.2	1.2	0.2	0.5	2.1	< 0.001	0.64	18.3	15	7.9	2.3	0.330	0.059	0.41	
A0935283	206	< 0.1	0.2	1.0	0.2	0.3	1.8	0.001	0.69	4900	15	5.4	1.9	0.279	0.041	1.95	69.6
A0935284	95.6	< 0.1	0.2	1.2	0.2	0.5	2.6	0.001	0.70	660	15	7.7	2.3	0.312	0.052	0.68	
A0935285	55.0	< 0.1	0.2	1.2	0.2	0.3	1.6	< 0.001	0.58	20.9	13	8.6	2.6	0.295	0.051	0.37	
A0935286	57.5	< 0.1	0.2	1.3	0.2	0.6	1.2	< 0.001	0.54	17.0	18	8.9	2.4	0.359	0.057	0.23	
A0935287	54.2	< 0.1	0.2	1.2	0.2	< 0.1	0.3	< 0.001	0.53	16.7	15	8.1	2.2	0.309	0.055	0.18	
A0935288	56.3	0.2	0.2	1.2	0.2	0.5	1.0	0.001	0.53	14.3	16	8.4	2.5	0.346	0.056	0.21	
A0935289	62.6	0.3	0.2	1.3	0.2	< 0.1	< 0.1	< 0.001	0.60	15.7	18	9.9	2.6	0.285	0.055	0.28	
A0935290	40.1	0.3	0.2	1.1	0.2	< 0.1	0.2	< 0.001	0.50	19.1	11	8.1	2.3	0.239	0.046	0.20	
A0935291	35.3	0.2	0.2	1.1	0.2	< 0.1	0.6	< 0.001	0.40	21.6	11	10.4	3.2	0.259	0.043	0.20	
A0935292	48.1	< 0.1	0.2	1.2	0.2	0.5	1.3	0.003	0.39	20.7	12	13.1	3.9	0.305	0.049	0.29	
A0935293	42.3	< 0.1	0.2	1.1	0.2	< 0.1	0.7	< 0.001	0.45	23.7	12	10.1	2.9	0.294	0.050	0.20	
A0935294	37.1	< 0.1	0.2	1.0	0.2	< 0.1	0.6	< 0.001	0.49	19.3	11	7.5	2.5	0.272	0.048	0.15	
A0935295	38.2	< 0.1	0.2	1.2	0.2	0.3	1.3	< 0.001	0.41	17.1	11	9.0	2.6	0.268	0.046	0.22	
A0935313	46.6	< 0.1	0.1	1.1	0.2	0.3	1.6	< 0.001	0.48	19.1	13	6.4	1.9	0.310	0.062	0.26	
A0935314	46.7	< 0.1	0.2	1.2	0.2	0.2	1.3	< 0.001	0.49	22.6	12	6.8	1.9	0.292	0.057	0.31	
A0935315	48.1	0.1	0.2	1.2	0.2	< 0.1	1.4	0.001	0.55	144	14	6.9	2.0	0.302	0.058	0.33	
A0935316	48.7	< 0.1	0.2	1.0	0.2	0.2	1.6	0.001	0.46	22.4	12	6.4	1.8	0.276	0.057	0.32	
A0935322	64.0	< 0.1	0.2	1.0	0.2	0.4	2.6	0.001	0.68	83.0	16	6.3	1.9	0.335	0.060	1.29	
A0935323	109	< 0.1	0.2	1.2	0.2	0.4	2.1	0.002	0.74	139	19	6.1	2.0	0.354	0.061	1.67	
A0935324	103	< 0.1	0.1	1.0	0.2	0.4	1.9	0.001	0.59	1040	15	5.6	1.8	0.306	0.056	1.76	
A0935325	64.1	< 0.1	0.2	1.1	0.2	0.5	1.6	0.001	0.59	33.3	14	7.3	2.1	0.314	0.060	0.72	
A0935329	56.0	< 0.1	0.2	1.3	0.2	0.5	2.4	0.001	0.58	52.2	18	7.4	2.6	0.357	0.065	0.66	
A0935330	46.5	< 0.1	0.1	1.0	0.2	0.3	2.4	0.001	0.53	489	13	5.7	1.5	0.268	0.048	0.67	



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		33.6	1.59	1.00	8.10	1.28	1.00		45	46	865	4.50	1.1	50	34.2	3.7	2.7	1.2		3.64	18.1	1.48	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																				41.1	130		91.9
OREAS 98 (4 Acid) Cert																				45.1	121		97.2
OREAS 98 (4 Acid) Meas																				38.1	117		89.1
OREAS 98 (4 Acid) Cert																				45.1	121		97.2
DNC-1a Meas		4.4	1.32				7.53		135	138		6.66			281						56.6	0.54	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.4	1.32				7.67		136	136		6.43			261						54.7	0.53	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
OREAS 13b (4-Acid) Meas										> 5000					2210					0.81	75.4		
OREAS 13b (4-Acid) Cert										8650.00					2247.000					0.86	75		
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		171							0.3	205	94				95.7	3.8	2.9	1.2		7.89	24.0	1.86	0.71
SBC-1 Cert		163							0.40	220.0	109				82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
SBC-1 Meas		167							0.3	203	96				89.7	3.6	3.0	1.2		7.75	22.6	1.76	0.70
SBC-1 Cert		163							0.40	220.0	109				82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
OREAS 45d (4-Acid) Meas		19.8	0.09	0.23	7.18	0.37	0.16		114	445	492	13.1	3.0		239	1.5	0.7	0.5		3.59	29.2	0.57	0.31
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas		19.1	0.08	0.20	7.38	0.38	0.18		93	453	491	13.9	2.1		238	1.4	0.6	0.5		3.73	27.8	0.60	0.35
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 216 (Fire Assay) Meas	6370																						
OREAS 216 (Fire Assay) Cert	6660																						

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 216 (Fire Assay) Meas	> 5000																						
OREAS 216 (Fire Assay) Cert	6660																						
OREAS 216 (Fire Assay) Meas	> 5000																						
OREAS 216 (Fire Assay) Cert	6660																						
OREAS 220 (Fire Assay) Meas	895																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	859																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	892																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 96 (4 Acid) Meas																			10.3		50.2		27.4
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 96 (4 Acid) Meas																			9.98		47.9		27.6
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 923 (4 Acid) Meas		31.2	0.31	1.75	7.07	1.61	0.48	0.4	85	75	968	6.47	3.8		38.7	3.0	2.4	1.0	1.50	6.32	21.2	1.28	19.6
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 257 Meas																							
OREAS 257 Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
A0935246 Orig	53																						



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935246 Dup	51																						
A0935247 Orig		62.4	> 3.00	1.03	9.54	2.68	2.62	0.2	93	33	1320	4.64	8.7	50	22.8	3.6	5.6	1.3	0.40	3.41	11.1	4.84	0.17
A0935247 Dup		60.2	> 3.00	1.02	9.51	2.65	2.58	0.2	86	32	1250	4.38	7.9	40	21.4	3.2	5.6	1.2	0.42	3.33	10.2	4.53	0.15
A0935256 Orig	10																						
A0935256 Dup	9																						
A0935261 Orig		55.5	> 3.00	0.52	> 10.0	2.33	2.26	< 0.1	36	11	513	2.72	6.1	90	6.6	1.0	2.6	0.4	0.25	1.72	3.9	1.53	0.06
A0935261 Dup		53.6	> 3.00	0.51	> 10.0	2.54	2.19	< 0.1	35	12	523	2.73	5.9	60	6.7	1.1	2.6	0.4	0.25	1.72	4.2	1.55	0.06
A0935267 Orig	7																						
A0935267 Dup	7																						
A0935281 Orig	49																						
A0935281 Dup	62																						
A0935283 Orig																							
A0935283 Dup																							
A0935285 Orig		22.3	1.53	1.22	7.71	2.32	3.05	0.1	88	82	825	3.98	3.5	40	55.9	1.4	1.2	0.5	0.22	3.46	18.5	0.93	0.20
A0935285 Dup		22.1	1.48	1.24	7.97	2.37	2.98	0.1	86	81	829	4.03	3.6	30	55.5	1.5	1.2	0.4	0.33	3.49	17.5	0.89	0.18
A0935286 Orig	24	25.7	1.76	1.59	8.40	2.43	2.00	< 0.1	112	88	687	4.73	3.2	10	71.2	1.5	1.2	0.5	0.17	3.18	23.3	0.97	0.21
A0935286 Split PREP DUP	25	23.8	1.89	1.63	8.41	2.08	2.02	< 0.1	110	83	666	4.54	3.2	70	71.5	1.6	1.2	0.5	0.16	3.06	22.8	0.98	0.21
A0935286 Split PREP DUP		23.8	1.89	1.63	8.41	2.08	2.02	< 0.1	110	83	666	4.54	3.2	70	71.5	1.6	1.2	0.5	0.16	3.06	22.8	0.98	0.21
A0935294 Orig	9																						
A0935294 Dup	6																						
A0935316 Orig	131																						
A0935316 Dup	111																						
A0935329 Orig		27.3	0.73	1.85	8.31	1.81	1.56	< 0.1	116	107	620	4.38	3.4	50	87.8	1.6	1.4	0.5	0.66	2.98	25.1	0.92	0.38
A0935329 Dup		26.4	0.72	1.77	8.34	2.43	1.56	< 0.1	112	114	602	4.30	3.3	50	86.3	1.4	1.4	0.5	0.43	2.82	24.7	0.94	0.37
A0935330 Orig	114																						
Method Blank	5																						
Method Blank																							
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3	3	< 0.01	< 0.1	90	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	0.07
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	1	8	< 0.01	< 0.1	60	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	3	1	< 0.01	< 0.1	50	0.9	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		106	18.0	< 0.1	63.5		175	39	< 0.1			< 1	< 0.1		599	39.7	91.2		42.0	8.4	6.6	0.9	6.0
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas	173	1410										186	9.9										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
OREAS 98 (4 Acid) Meas	174	1360										172	6.1										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
DNC-1a Meas		68.3	13.6		3.4	14.3	131	35	1.5				0.7		99	3.5			5.2				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		66.8	11.9		3.4	14.5	135	35	1.4				0.7		98	3.4			5.0				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
OREAS 13b (4-Acid) Meas		134		43.5						8.37													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		224	27.6	23.8	137	29.2	172	129	15.7	2.12		3	1.1		537	51.3	114	12.6	49.6	9.0	8.4	1.0	6.3
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas		212	24.0	23.1	118	28.1	161	115	14.7	2.26		3	1.0		285	47.4	107	11.7	49.1	9.4	7.7	1.0	6.1
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas		39.6	20.9	5.2	38.7	9.7	28.3	106	0.2	0.14	< 0.1	< 1	< 0.1		171	16.0	36.7	3.7	14.3	2.4	2.6	0.3	2.3
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas		44.2	20.0	6.1	41.1	10.1	30.0	72	0.2	0.27	< 0.1	< 1	< 0.1		174	16.6	39.4	3.9	15.1	2.4	2.4	0.3	2.1
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	38.9	485										59	3.4										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 96 (4 Acid) Meas	41.3	459										58	4.2										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 923 (4 Acid) Meas	6.6	353	18.7	3.8	105	23.2	41.4	125	13.7	0.96	0.5	13	1.2		250	41.0	86.1	9.3	35.4	6.6	5.9	0.7	4.7
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 257 Meas																							
OREAS 257 Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
A0935246 Orig																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935246 Dup																							
A0935247 Orig	0.7	168	20.7	1.3	84.2	30.1	> 1000	395	15.9	1.96	< 0.1	2	0.1	0.3	1520	109	236	27.6	115	17.7	13.5	1.3	7.2
A0935247 Dup	0.5	153	20.0	< 0.1	80.1	28.5	> 1000	360	15.4	2.01	< 0.1	1	0.1	0.3	1430	102	223	26.6	107	17.7	13.1	1.3	6.9
A0935256 Orig																							
A0935256 Dup																							
A0935261 Orig	0.8	76.0	24.4	< 0.1	68.1	9.0	646	336	25.0	0.15	< 0.1	< 1	< 0.1	< 0.1	1060	30.7	77.7	9.3	39.1	5.7	4.2	0.4	2.0
A0935261 Dup	1.2	73.4	24.5	< 0.1	61.1	8.9	626	333	26.2	0.11	< 0.1	< 1	< 0.1	< 0.1	1030	30.3	77.9	9.1	37.4	6.1	4.2	0.4	2.2
A0935267 Orig																							
A0935267 Dup																							
A0935281 Orig																							
A0935281 Dup																							
A0935283 Orig																							
A0935283 Dup																							
A0935285 Orig	1.2	80.6	18.1	18.5	92.2	11.4	217	125	5.3	1.02	< 0.1	1	0.4	< 0.1	567	29.0	59.4	6.0	23.6	3.7	3.1	0.4	2.0
A0935285 Dup	1.3	77.7	18.1	16.1	93.9	11.3	220	135	5.3	0.96	< 0.1	1	0.3	< 0.1	530	29.0	60.0	6.2	23.2	4.1	3.1	0.3	2.1
A0935286 Orig	1.1	89.1	20.9	65.5	92.9	11.9	245	116	6.5	1.25	< 0.1	1	0.3	< 0.1	590	28.5	60.1	6.4	25.0	4.4	3.2	0.4	2.7
A0935286 Split PREP DUP	1.1	85.0	20.7	58.7	82.7	11.8	241	118	5.7	1.23	< 0.1	1	0.3	< 0.1	583	27.6	59.1	6.2	24.0	4.2	3.4	0.4	2.4
A0935286 Split PREP DUP	1.1	85.0	20.7	58.7	82.7	11.8	241	118	5.7	1.23	< 0.1	1	0.3	< 0.1	583	27.6	59.1	6.2	24.0	4.2	3.4	0.4	2.4
A0935294 Orig																							
A0935294 Dup																							
A0935316 Orig																							
A0935316 Dup																							
A0935329 Orig	0.9	170	21.9	188	82.4	12.7	165	117	6.0	1.50	< 0.1	1	0.8	< 0.1	396	26.1	58.9	6.4	26.2	4.3	3.6	0.4	2.6
A0935329 Dup	0.9	166	21.1	181	93.6	12.3	152	115	5.8	1.28	< 0.1	1	0.6	< 0.1	331	24.9	56.1	5.9	24.4	4.6	3.6	0.4	2.3
A0935330 Orig																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.1	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.51	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.9	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.14	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	1.0	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
SDC-1 Meas	32.4		0.5	3.1		< 0.1	< 0.1		0.66	24.8		12.1	2.7				
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00		12.00	3.10				
Oreas 72a (4 Acid Digest) Meas																	1.56
Oreas 72a (4 Acid Digest) Cert																	1.74
OREAS 101b (4 Acid) Meas														0.363	0.102		
OREAS 101b (4 Acid) Cert														0.35			
OREAS 98 (4 Acid) Meas	> 10000									300							14.0
OREAS 98 (4 Acid) Cert	14800 0.0									345							15.5
OREAS 98 (4 Acid) Meas	> 10000									297							
OREAS 98 (4 Acid) Cert	14800 0.0									345							
DNC-1a Meas	109			1.8						5.5	30			0.268			
DNC-1a Cert	100			2.0						6.3	31			0.29			
DNC-1a Meas	102			1.8						6.1							
DNC-1a Cert	100			2.0						6.3							
OREAS 13b (4-Acid) Meas	2150																1.11
OREAS 13b (4-Acid) Cert	2327.0 000																1.2
OREAS 904 (4 ACID) Meas											12			0.095	0.06		
OREAS 904 (4 ACID) Cert											11.2			0.0980	0.0630		
SBC-1 Meas	37.7		0.5	3.2	0.5	1.1	1.7		0.86	36.1	22	16.3	5.8	0.518			
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51			
SBC-1 Meas	34.9		0.5	3.1	0.5	1.0	1.6		0.85	35.6		15.5	5.6				
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0		15.8	5.76				
OREAS 45d (4-Acid) Meas	398			1.4	0.2	< 0.1	< 0.1		0.25	19.9	51	14.1	2.6	0.291	0.033	0.04	
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049	
OREAS 45d (4-Acid) Meas	390			1.4	0.2	< 0.1	< 0.1		0.30	21.4		15.5	2.7				
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8		14.5	2.63				
OREAS 216 (Fire Assay) Meas																	
OREAS 216 (Fire																	



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
Assay) Cert																	
OREAS 216 (Fire Assay) Meas																	
OREAS 216 (Fire Assay) Cert																	
OREAS 216 (Fire Assay) Meas																	
OREAS 216 (Fire Assay) Cert																	
OREAS 220 (Fire Assay) Meas																	
OREAS 220 (Fire Assay) Cert																	
OREAS 220 (Fire Assay) Meas																	
OREAS 220 (Fire Assay) Cert																	
OREAS 220 (Fire Assay) Meas																	
OREAS 220 (Fire Assay) Cert																	
OREAS 220 (Fire Assay) Meas																	
OREAS 220 (Fire Assay) Cert																	
OREAS 96 (4 Acid) Meas	> 10000									95.1							4.18
OREAS 96 (4 Acid) Cert	39300									101							4.19
OREAS 96 (4 Acid) Meas	> 10000									94.2							4.10
OREAS 96 (4 Acid) Cert	39300									101							4.19
OREAS 923 (4 Acid) Meas	4210		0.4	2.3	0.4	1.0	5.0		0.84	84.6	14	17.3	3.0	0.423	0.062	0.70	
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691	
OREAS 522 (4 Acid) Meas											10			0.287	0.079	2.29	
OREAS 522 (4 Acid) Cert											10.9			0.344	0.0890	2.50	
OREAS 257 Meas																	14.6
OREAS 257 Cert																	14.18
Oreas 77b (4 Acid Digest) Meas											3			0.0544			
Oreas 77b (4 Acid Digest) Cert											3.51			0.0640			
OREAS 229b (Fire Assay) Meas																	12.1
OREAS 229b																	11.9

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
(Fire Assay) Cert																	
A0935246 Orig																	
A0935246 Dup																	
A0935247 Orig	11.2	< 0.1	0.4	2.7	0.4	0.6	1.0	< 0.001	1.02	25.6	7	32.4	2.7	0.359	0.101	0.22	
A0935247 Dup	11.0	< 0.1	0.4	2.5	0.4	0.6	1.2	< 0.001	0.97	24.1	7	30.1	2.6	0.364	0.102	0.21	
A0935256 Orig																	
A0935256 Dup																	
A0935261 Orig	5.4	< 0.1	0.1	1.0	0.1	1.2	0.7	< 0.001	0.72	12.8	1	1.6	5.8	0.154	0.059	0.02	
A0935261 Dup	6.2	< 0.1	0.1	1.0	0.2	1.5	0.8	< 0.001	0.67	12.5	1	1.5	5.0	0.155	0.060	0.02	
A0935267 Orig																	
A0935267 Dup																	
A0935281 Orig																	
A0935281 Dup																	
A0935283 Orig																	67.7
A0935283 Dup																	71.5
A0935285 Orig	55.0	< 0.1	0.2	1.2	0.2	0.4	1.6	< 0.001	0.58	21.0	13	8.5	2.6	0.295	0.051	0.38	
A0935285 Dup	55.0	< 0.1	0.2	1.2	0.2	0.3	1.6	< 0.001	0.57	20.8	13	8.7	2.6	0.295	0.052	0.36	
A0935286 Orig	57.5	< 0.1	0.2	1.3	0.2	0.6	1.2	< 0.001	0.54	17.0	18	8.9	2.4	0.359	0.057	0.23	
A0935286 Split PREP DUP	55.4	0.1	0.2	1.2	0.2	0.3	0.9	< 0.001	0.53	16.7	18	8.7	2.6	0.363	0.057	0.23	
A0935286 Split PREP DUP	55.4	0.1	0.2	1.2	0.2	0.3	0.9	< 0.001	0.53	16.7	18	8.7	2.6	0.363	0.057	0.23	
A0935294 Orig																	
A0935294 Dup																	
A0935316 Orig																	
A0935316 Dup																	
A0935329 Orig	58.5	< 0.1	0.2	1.4	0.2	0.5	2.5	0.002	0.59	52.9	18	7.6	3.2	0.355	0.064	0.67	
A0935329 Dup	53.5	< 0.1	0.2	1.3	0.2	0.5	2.3	0.001	0.57	51.5	18	7.3	2.0	0.359	0.065	0.65	
A0935330 Orig																	
Method Blank																	
Method Blank																	< 0.03
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank	1.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.001	0.42	< 0.5		< 0.1	< 0.1				
Method Blank	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	0.09	< 0.5		< 0.1	< 0.1				
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	0.07	< 0.5		< 0.1	< 0.1				
Method Blank											< 1			< 0.0005	< 0.001	< 0.01	
Method Blank											< 1			< 0.0005	< 0.001	< 0.01	

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
Method Blank											< 1			< 0.0005	< 0.001	< 0.01	





Date Submitted: 28-Aug-19  
Invoice No.: A19-11408  
Invoice Date: 30-Sep-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

64 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-08-29 10:28:15
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-08-30 12:23:02

REPORT      A19-11408

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme, Ph.D.  
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.  
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Date Submitted: 28-Aug-19  
Invoice No.: A19-11408  
Invoice Date: 30-Sep-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

64 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-6	QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS)	2019-09-19 09:42:32

REPORT      **A19-11408**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

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## Results

## Activation Laboratories Ltd.

Report: A19-11408

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935296	53	21.4	2.05	1.34	7.18	1.29	1.83	< 0.1	73	96	486	3.30	3.5	50	40.5	1.1	0.9	0.4	0.21	2.15	13.5	0.84	0.14
A0935297	38	24.6	1.69	1.54	7.38	1.51	2.79	0.3	93	107	715	3.84	3.3	40	54.7	1.4	1.2	0.5	0.49	2.54	16.3	0.85	0.42
A0935298	72	28.5	1.51	1.69	8.01	1.47	1.28	< 0.1	105	104	531	4.27	3.1	50	63.2	1.3	1.3	0.4	0.24	3.21	18.5	0.93	0.13
A0935299	203	24.8	1.84	1.49	7.45	1.53	2.63	0.1	90	109	772	4.01	3.4	50	51.8	1.3	1.2	0.4	0.35	2.96	16.3	0.86	0.25
A0935300	63	25.6	2.01	1.56	7.55	1.33	1.58	< 0.1	103	123	640	4.25	3.2	40	60.6	1.3	1.2	0.4	0.29	3.13	17.3	0.94	0.17
A0935301	16	23.1	> 3.00	1.62	8.04	1.18	2.07	0.1	107	141	719	4.09	3.3	50	67.1	1.3	1.1	0.5	0.26	3.39	18.4	1.11	0.09
A0935302	16	34.0	1.96	5.78	5.07	1.63	8.16	0.2	97	562	1300	5.27	1.5	70	243	0.9	1.7	0.3	0.50	26.9	35.9	0.91	0.05
A0935303	17	29.0	1.59	1.61	5.82	1.56	0.79	< 0.1	124	150	541	4.55	3.2	60	78.1	1.0	1.6	0.4	0.30	3.36	21.5	0.74	0.12
A0935304	9	25.2	0.72	1.66	7.52	1.89	3.44	0.2	105	121	1210	4.69	2.8	50	67.8	1.2	1.6	0.4	0.37	4.10	20.6	0.90	0.24
A0935305	670	26.5	0.96	1.39	7.68	2.06	2.44	0.4	95	106	856	4.52	3.3	50	65.0	1.2	1.6	0.4	0.43	4.22	22.6	0.83	0.19
A0935306	22	27.3	1.34	1.46	8.38	2.37	1.73	< 0.1	111	121	650	4.08	3.4	40	76.4	1.1	1.5	0.4	0.19	3.89	20.3	0.96	0.07
A0935307	160	27.6	1.02	1.68	8.61	2.67	1.71	< 0.1	119	132	613	4.59	3.4	40	81.7	1.3	1.5	0.5	0.22	3.83	21.2	1.05	0.12
A0935308	36	24.2	1.39	1.53	7.95	2.00	2.71	0.1	96	109	862	3.99	3.0	50	67.1	1.1	1.4	0.4	0.24	3.57	17.9	0.96	0.19
A0935309	5	25.3	1.71	1.45	7.80	2.20	2.93	0.1	85	108	840	3.62	3.1	60	58.6	1.1	1.2	0.4	0.22	3.13	16.5	0.94	0.10
A0935310	< 5	26.3	1.11	1.50	8.17	1.73	1.41	0.1	100	131	597	4.04	3.6	50	71.2	1.1	1.5	0.4	0.39	3.84	20.4	0.95	0.21
A0935311	< 5	23.2	0.75	1.31	7.21	1.54	2.99	0.4	95	158	876	3.26	4.2	50	53.6	1.1	1.3	0.4	0.46	3.51	11.9	0.89	0.35
A0935312	82	29.0	1.52	2.00	8.41	1.75	2.11	< 0.1	99	107	654	4.19	3.6	40	70.7	1.2	1.5	0.5	0.33	3.26	19.1	1.05	0.35
A0935317	109	24.8	0.49	1.51	6.84	1.89	4.39	0.5	95	101	1170	3.66	2.8	40	65.3	1.1	1.4	0.4	0.50	2.83	19.2	0.98	0.56
A0935318	45	25.1	1.00	1.63	7.38	1.81	3.48	< 0.1	95	104	947	3.90	3.0	40	70.9	1.2	1.3	0.4	0.29	2.54	18.5	0.91	0.21
A0935319	285	23.1	0.94	1.49	7.33	2.13	1.82	0.2	87	106	739	3.87	3.3	30	58.8	1.0	1.2	0.4	0.31	2.59	16.5	0.91	0.14
A0935320	716	23.1	0.54	1.41	7.80	2.77	1.39	0.3	98	112	613	3.86	3.1	60	64.9	1.1	1.4	0.4	0.33	2.69	18.3	0.93	0.23
A0935321	3400	20.0	0.15	1.02	7.32	3.04	0.52	2.3	89	112	383	3.94	2.8	60	56.2	1.0	1.3	0.4	1.28	2.94	15.8	0.74	1.12
A0935326	172	25.7	0.94	1.75	7.76	2.69	2.54	0.2	109	122	784	4.28	3.2	50	79.8	1.2	1.5	0.4	0.34	2.80	21.1	0.89	0.14
A0935327	359	19.3	1.07	1.45	7.32	2.08	3.34	0.3	86	122	1080	3.73	3.2	50	62.0	1.1	1.3	0.4	0.42	2.64	17.9	0.94	0.15
A0935328	236	21.9	0.78	1.49	7.81	2.03	2.27	0.7	101	110	887	3.96	3.1	60	67.6	1.1	1.4	0.4	0.52	2.79	19.1	0.97	0.38
A0935345	58	29.5	1.72	1.89	8.36	2.35	1.78	< 0.1	98	123	533	4.48	2.9	40	83.6	1.4	1.4	0.5	0.16	3.01	21.9	1.03	0.26
A0935346	11	27.4	1.23	1.62	7.73	2.86	2.81	0.1	96	120	779	4.03	3.3	40	71.4	1.1	1.4	0.4	0.23	2.96	18.9	0.96	0.21
A0935347	85	25.1	0.70	1.54	6.58	2.99	5.19	0.2	87	108	1350	3.74	2.9	30	61.3	1.2	1.4	0.4	0.34	2.91	17.7	0.95	0.34
A0935348	121	28.8	1.67	1.76	8.19	2.60	2.26	< 0.1	96	123	671	4.23	4.1	50	64.8	1.2	1.3	0.4	0.21	3.03	20.0	0.98	0.12
A0935349	49	29.1	0.78	1.54	7.32	1.99	4.56	0.2	96	115	1120	4.34	3.0	50	72.6	1.1	1.4	0.4	0.37	3.34	20.0	0.89	0.21
A0935350	165	26.8	1.19	1.50	7.53	2.01	2.69	0.5	91	117	745	3.88	3.3	40	60.3	1.1	1.2	0.4	0.52	2.28	17.4	0.86	0.35
A0935351	23	26.0	1.58	1.60	7.18	1.98	3.20	0.2	96	127	812	4.09	3.5	50	65.4	1.2	1.1	0.4	0.30	2.09	18.9	0.88	0.21
A0935352	7	27.4	1.99	1.64	7.63	1.98	2.64	0.1	100	147	580	4.02	4.0	20	68.9	1.1	1.1	0.4	0.29	2.13	21.1	1.00	0.15
A0935353	< 5	26.6	1.48	1.57	6.88	2.14	3.21	0.3	87	129	824	3.88	3.7	20	60.2	1.1	1.1	0.4	0.26	2.48	17.4	0.84	0.22
A0935354	568	22.3	0.64	1.33	7.25	3.06	3.67	2.6	88	111	1090	3.70	3.1	30	57.5	1.1	1.4	0.4	1.94	3.20	16.6	0.84	1.52
A0935355	160	26.1	1.39	1.34	8.02	2.58	2.79	< 0.1	95	113	714	3.79	3.2	30	66.5	1.1	1.3	0.4	0.19	2.93	18.6	0.86	0.11
A0935356	40	25.6	1.54	1.36	7.76	1.31	2.29	< 0.1	94	139	651	3.85	3.3	60	66.3	1.1	1.3	0.4	0.17	3.00	20.3	0.89	0.13
A0935357	201	30.4	1.46	1.61	8.33	1.56	2.15	< 0.1	107	115	676	4.35	3.2	50	79.0	1.2	1.3	0.5	0.20	3.25	21.6	0.96	0.13
A0935358	> 5000	15.8	0.13	0.80	6.55	2.51	1.42	1.2	83	78	499	3.44	2.4	40	55.9	1.0	1.3	0.4	1.13	2.52	17.9	0.70	0.46
A0935359	2650	16.4	0.12	1.41	6.57	3.18	3.92	5.5	75	90	1520	5.14	2.6	40	64.5	1.0	1.2	0.4	1.51	2.64	21.4	0.83	1.02
A0935360	356	24.7	0.57	1.26	7.02	3.58	2.61	0.4	100	94	925	4.02	3.0	20	62.0	1.2	1.4	0.4	0.52	3.12	18.2	0.77	0.21
A0935361	164	23.2	0.47	1.29	7.94	3.27	1.89	2.6	102	101	649	4.16	2.8	40	58.8	1.2	1.5	0.5	1.19	3.04	20.4	0.80	0.76
A0935362	92	22.4	0.42	1.33	7.88	3.32	2.48	0.1	97	98	856	4.42	3.2	30	63.5	1.2	1.4	0.5	0.93	2.96	22.9	1.02	0.58
A0935363	63	26.4	0.88	1.52	7.75	1.97	2.09	< 0.1	108	105	593	4.35	3.2	50	65.6	1.3	1.4	0.5	0.41	2.88	20.0	0.91	0.40
A0935364	98	28.9	1.59	1.76	8.21	1.46	1.78	< 0.1	95	112	582	4.17	3.0	50	61.0	1.3	1.3	0.5	0.14	2.77	18.6	0.91	0.12
A0935365	47	25.9	1.75	1.53	7.39	1.48	2.38	0.7	83	91	607	3.73	3.1	50	49.2	1.2	1.1	0.5	0.48	2.34	16.2	0.75	0.57
A0935366	28	24.3	2.17	1.53	7.76	1.85	1.87	0.1	79	71	499	3.38	3.3	50	44.7	1.3	1.1	0.4	0.21	2.45	15.5	0.82	0.14
A0935367	23	23.2	2.09	1.55	7.31	1.90	1.89	< 0.1	87	98	553	3.77	4.4	30	48.6	1.2	1.1	0.5	0.28	2.42	16.4	0.93	0.20
A0935368	276	22.3	1.61	1.36	7.08	2.33	2.65	1.1	86	89	687	3.65	3.3	30	51.3	1.2	1.2	0.5	0.48	2.75	16.7	0.85	0.29
A0935369	68	25.6	2.25	1.66	8.37	2.25	1.42	< 0.1	114	106	566	4.41	3.3	50	66.2	1.3	1.3	0.5	0.25	3.00	20.4	0.95	0.17
A0935331	358	21.7	1.42	1.52	7.75	1.46	1.72	0.4	89	160	779	4.09	3.3	50	62.2	1.0	1.2	0.4	0.26	2.59	18.3	0.99	0.13



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935332	243	21.7	1.28	1.41	7.07	1.76	2.70	< 0.1	88	136	784	3.46	3.4	40	59.5	1.0	1.3	0.4	0.23	2.87	18.1	0.97	0.08
A0935333	125	23.5	1.76	1.60	7.78	1.63	2.13	< 0.1	92	120	611	3.76	3.2	50	63.7	1.1	1.2	0.4	0.25	3.02	18.2	1.01	0.09
A0935334	30	24.3	1.59	1.68	7.82	2.24	2.56	< 0.1	90	106	687	3.98	3.4	40	62.7	1.2	1.2	0.4	0.16	2.60	17.9	0.97	0.09
A0935335	198	30.6	0.53	2.07	8.90	2.83	1.66	< 0.1	123	120	651	4.64	3.2	40	81.6	1.3	1.4	0.5	0.18	2.66	21.5	1.03	0.10
A0935336	40	30.4	1.55	1.95	8.17	2.39	1.61	< 0.1	117	116	613	4.64	3.4	50	80.0	1.4	1.4	0.5	0.21	2.85	21.7	1.05	0.14
A0935337	< 5	21.8	2.48	1.57	7.91	1.62	2.55	< 0.1	90	117	748	3.85	3.4	50	62.2	1.3	1.1	0.4	0.21	2.39	18.2	0.99	0.15
A0935338	< 5	24.9	2.30	1.72	8.10	1.98	2.07	< 0.1	100	125	640	4.11	3.4	50	71.1	1.2	1.3	0.5	0.27	2.58	21.4	1.00	0.16
A0935339	< 5	25.7	2.75	1.75	8.42	1.46	2.08	< 0.1	99	120	661	4.23	3.3	50	67.3	1.3	1.2	0.5	0.18	2.24	18.8	1.01	0.14
A0935340	< 5	22.8	2.53	1.60	8.32	1.63	2.63	< 0.1	92	109	777	3.91	3.4	50	64.9	1.3	1.2	0.5	0.18	2.54	19.2	1.05	0.14
A0935341	8	22.8	2.46	1.64	8.01	1.62	2.38	0.1	82	103	695	4.11	3.4	40	62.1	1.2	1.2	0.4	0.23	2.35	19.0	0.98	0.17
A0935342	10	21.4	2.37	1.56	8.00	1.66	2.51	0.1	88	103	702	3.80	3.3	50	59.3	1.2	1.1	0.5	0.19	2.29	18.5	0.97	0.12
A0935343	9	22.5	2.60	1.65	8.00	1.57	2.16	0.1	85	120	668	4.00	3.3	40	63.9	1.2	1.1	0.4	0.20	2.28	19.7	0.96	0.12
A0935344	< 5	22.8	2.80	1.68	8.34	1.42	2.35	0.2	90	117	723	4.09	3.6	40	61.0	1.2	1.0	0.5	0.23	2.18	18.0	1.01	0.12



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935296	< 0.1	71.6	14.2	0.9	55.7	10.6	187	134	5.5	1.27	< 0.1	< 1	0.4	< 0.1	460	30.2	67.4	7.1	23.9	3.6	3.2	0.3	2.0
A0935297	< 0.1	142	15.4	< 0.1	62.1	12.5	223	125	6.1	1.54	< 0.1	1	0.4	< 0.1	471	22.7	53.5	5.8	20.8	4.1	3.1	0.4	2.5
A0935298	< 0.1	110	18.3	0.7	70.8	11.6	158	112	6.4	1.40	< 0.1	1	0.4	< 0.1	559	23.8	59.1	6.1	21.3	3.5	3.2	0.4	2.3
A0935299	< 0.1	98.1	16.0	1.4	65.8	11.3	184	125	6.3	1.80	< 0.1	1	0.6	< 0.1	482	23.2	55.7	6.0	20.6	3.3	3.1	0.3	2.1
A0935300	< 0.1	90.7	17.2	< 0.1	66.3	12.4	189	116	6.5	1.71	< 0.1	1	0.4	< 0.1	514	26.2	62.7	6.8	23.3	4.1	3.3	0.4	2.4
A0935301	< 0.1	99.0	18.3	7.5	53.3	12.7	343	122	6.9	2.55	< 0.1	1	0.5	< 0.1	322	27.3	63.6	6.8	23.5	3.9	3.5	0.4	2.6
A0935302	< 0.1	75.0	10.4	59.3	126	7.9	830	57	7.3	0.46	< 0.1	< 1	0.5	< 0.1	180	17.1	39.0	4.7	17.1	2.7	2.6	0.3	1.6
A0935303	< 0.1	121	20.1	0.8	63.2	9.2	139	116	7.3	1.58	< 0.1	2	0.5	< 0.1	527	16.6	48.3	4.8	16.8	3.5	2.5	0.3	2.0
A0935304	< 0.1	109	17.4	< 0.1	82.9	11.8	208	102	6.4	2.87	< 0.1	1	0.6	< 0.1	391	21.3	52.3	5.6	20.0	3.5	3.3	0.4	2.4
A0935305	< 0.1	136	17.0	0.3	83.1	11.6	178	121	5.9	3.29	< 0.1	1	0.6	< 0.1	443	21.4	54.5	5.7	19.0	3.3	3.0	0.4	2.3
A0935306	< 0.1	105	17.2	8.5	84.1	11.3	174	120	6.0	1.23	< 0.1	1	0.4	< 0.1	647	23.3	58.1	6.4	22.4	3.6	3.3	0.4	2.4
A0935307	< 0.1	117	18.5	4.5	88.6	12.4	173	123	6.6	1.40	< 0.1	1	0.4	< 0.1	660	26.2	63.9	7.1	24.6	4.4	3.6	0.4	2.5
A0935308	< 0.1	98.7	16.0	3.9	80.5	10.6	233	113	4.8	1.26	< 0.1	< 1	0.4	< 0.1	654	21.3	52.8	5.9	20.9	3.3	3.0	0.4	2.2
A0935309	< 0.1	88.3	15.0	3.4	81.5	10.4	217	118	4.7	1.45	< 0.1	< 1	0.3	< 0.1	582	21.6	53.5	5.9	20.5	3.5	3.0	0.3	2.0
A0935310	< 0.1	108	17.6	< 0.1	78.5	10.8	167	131	6.1	1.30	< 0.1	1	0.5	< 0.1	667	23.8	59.8	6.6	22.9	3.8	3.5	0.4	2.2
A0935311	< 0.1	66.8	15.1	< 0.1	77.5	11.0	207	159	4.7	1.27	< 0.1	1	0.3	< 0.1	719	26.2	61.2	6.7	22.9	3.8	3.3	0.4	2.3
A0935312	< 0.1	89.6	18.0	0.9	74.8	12.7	211	130	5.5	1.36	< 0.1	1	0.3	< 0.1	605	27.9	67.0	7.5	25.8	4.4	3.6	0.4	2.4
A0935317	< 0.1	144	15.4	1.1	74.2	11.7	160	104	4.9	1.23	< 0.1	1	0.7	0.1	635	21.1	51.4	5.7	19.7	3.7	3.2	0.4	2.2
A0935318	< 0.1	107	15.9	2.1	69.4	12.0	212	106	5.4	1.18	< 0.1	< 1	0.6	< 0.1	569	19.8	50.8	5.6	19.5	3.3	3.1	0.4	2.3
A0935319	< 0.1	154	16.0	11.0	70.9	10.8	127	125	5.2	1.88	< 0.1	< 1	0.5	< 0.1	556	20.9	51.9	5.6	19.9	3.7	3.1	0.3	2.2
A0935320	< 0.1	195	16.8	436	86.0	11.1	123	111	5.6	1.39	< 0.1	< 1	0.8	0.1	602	22.0	52.2	6.0	20.7	3.6	3.1	0.4	2.0
A0935321	< 0.1	511	16.4	219	102	9.8	104	103	5.0	1.29	< 0.1	1	1.5	0.4	347	21.4	50.6	5.9	20.1	3.7	2.9	0.3	1.9
A0935326	< 0.1	114	18.1	83.5	91.2	12.2	183	113	5.9	1.50	< 0.1	1	0.7	< 0.1	546	18.9	50.6	5.6	20.2	3.7	3.3	0.4	2.3
A0935327	< 0.1	116	15.8	27.5	82.9	10.8	223	119	5.2	13.6	< 0.1	< 1	0.6	< 0.1	500	21.1	52.4	5.5	19.6	3.4	3.0	0.3	2.1
A0935328	< 0.1	211	17.0	135	81.8	11.7	182	112	5.7	1.36	< 0.1	1	0.8	< 0.1	569	22.4	55.3	6.1	21.5	3.7	3.4	0.4	2.3
A0935345	< 0.1	92.2	18.5	35.9	84.7	13.2	212	103	2.2	0.79	< 0.1	1	0.2	< 0.1	688	23.6	58.0	6.7	23.5	4.4	3.8	0.4	2.5
A0935346	< 0.1	86.1	17.1	34.8	92.0	11.4	183	119	5.2	1.29	< 0.1	1	0.2	< 0.1	746	22.1	53.0	6.0	21.4	3.6	3.4	0.4	2.2
A0935347	< 0.1	80.9	15.6	309	88.9	12.3	206	111	5.1	1.18	< 0.1	1	0.4	< 0.1	719	21.9	54.8	5.7	20.1	3.5	3.3	0.4	2.1
A0935348	< 0.1	103	17.1	74.0	89.4	11.8	179	155	6.2	1.21	< 0.1	< 1	0.3	< 0.1	593	26.3	61.9	6.8	23.3	4.4	3.4	0.4	2.2
A0935349	< 0.1	113	18.0	109	81.5	11.1	216	108	5.2	1.64	< 0.1	1	1.6	< 0.1	252	20.8	51.2	5.7	20.1	3.6	3.1	0.4	2.3
A0935350	< 0.1	183	15.9	64.7	74.4	11.3	162	125	5.0	1.62	< 0.1	< 1	1.2	< 0.1	579	21.9	52.8	6.1	21.8	3.0	3.1	0.4	2.1
A0935351	< 0.1	106	15.3	13.8	68.9	11.7	206	124	5.2	1.25	< 0.1	< 1	0.8	< 0.1	486	23.4	54.7	6.2	21.6	4.0	3.1	0.4	2.1
A0935352	< 0.1	95.0	16.4	17.8	64.6	11.3	225	148	5.8	1.85	< 0.1	1	0.3	< 0.1	540	24.9	57.2	6.6	23.4	3.7	3.5	0.4	2.3
A0935353	< 0.1	128	14.3	14.7	68.8	10.8	180	141	5.3	1.26	< 0.1	< 1	0.3	< 0.1	538	22.8	53.9	6.1	21.2	3.6	3.2	0.3	2.1
A0935354	< 0.1	335	15.4	36.4	97.4	10.9	227	115	5.2	1.26	< 0.1	1	1.8	0.3	627	21.1	51.1	5.7	20.0	3.6	2.9	0.3	2.0
A0935355	< 0.1	87.8	16.3	15.9	86.4	10.7	162	114	5.6	1.37	< 0.1	< 1	0.3	< 0.1	616	21.3	51.6	5.9	21.0	3.1	3.2	0.3	2.3
A0935356	< 0.1	83.1	16.6	41.8	67.4	10.5	169	120	5.5	1.46	< 0.1	< 1	0.3	< 0.1	549	19.3	50.1	5.5	19.3	3.5	2.9	0.3	1.9
A0935357	< 0.1	91.3	18.0	49.1	72.7	12.6	166	118	5.5	1.47	< 0.1	1	0.4	< 0.1	536	23.4	58.1	6.4	23.0	4.0	3.5	0.4	2.5
A0935358	< 0.1	242	14.7	94.7	87.8	9.8	132	84	4.6	2.91	< 0.1	1	0.7	0.2	286	19.3	44.6	5.1	17.6	3.3	2.7	0.3	1.8
A0935359	< 0.1	959	15.3	58.5	97.9	10.0	259	95	4.5	1.49	< 0.1	1	1.3	0.2	131	21.3	49.2	5.4	18.7	3.8	2.8	0.3	2.0
A0935360	< 0.1	117	18.4	4.0	98.9	10.8	168	107	6.0	1.86	< 0.1	1	0.8	< 0.1	340	16.5	45.3	4.6	16.7	3.1	2.8	0.3	2.2
A0935361	< 0.1	448	18.1	327	110	11.6	152	99	6.0	2.40	< 0.1	1	1.0	0.2	312	22.6	53.2	6.1	21.5	3.5	3.1	0.4	2.3
A0935362	< 0.1	97.9	17.9	13.0	108	12.3	186	118	6.3	1.69	< 0.1	1	0.7	0.1	307	26.7	61.4	6.7	23.0	4.4	3.7	0.4	2.3
A0935363	< 0.1	91.9	17.8	0.4	76.6	12.1	161	115	6.4	1.40	< 0.1	1	0.4	< 0.1	552	22.0	54.5	6.0	20.3	3.6	3.3	0.4	2.5
A0935364	< 0.1	101	18.4	10.4	66.3	13.0	172	107	2.0	0.88	< 0.1	1	< 0.1	< 0.1	521	23.7	58.3	6.3	21.7	3.8	3.4	0.4	2.5
A0935365	< 0.1	131	15.5	1.9	59.8	12.0	184	112	4.4	1.25	< 0.1	< 1	0.4	< 0.1	515	24.1	54.9	6.1	21.1	3.7	3.1	0.4	2.3
A0935366	< 0.1	78.3	15.3	4.1	66.2	11.6	202	119	4.6	1.03	< 0.1	< 1	0.2	< 0.1	572	25.5	59.1	6.4	21.7	4.0	3.2	0.4	2.2
A0935367	< 0.1	83.0	16.0	0.4	65.8	12.2	224	164	6.2	1.33	< 0.1	1	0.4	< 0.1	582	31.3	71.1	7.6	24.8	4.3	3.5	0.4	2.3
A0935368	< 0.1	304	15.0	1.4	79.6	11.6	248	120	5.6	1.48	< 0.1	1	0.5	< 0.1	679	23.0	54.5	5.9	20.1	3.2	3.0	0.4	2.1
A0935369	< 0.1	92.3	18.2	30.0	76.9	12.1	227	117	6.6	1.43	< 0.1	1	0.3	< 0.1	640	23.9	58.2	6.5	22.7	3.9	3.5	0.4	2.6
A0935331	< 0.1	139	15.9	87.4	73.0	10.4	172	120	5.1	1.13	< 0.1	< 1	0.6	< 0.1	464	23.6	57.8	6.3	22.0	3.7	3.1	0.4	2.1



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935332	< 0.1	82.5	15.1	37.0	79.6	10.8	196	124	4.8	1.10	< 0.1	< 1	0.5	< 0.1	507	21.2	49.8	5.7	20.1	3.8	3.0	0.3	2.0
A0935333	< 0.1	82.7	15.9	184	79.4	11.1	199	123	4.4	1.12	< 0.1	< 1	0.4	< 0.1	469	25.6	58.7	6.7	23.8	3.7	3.4	0.4	2.1
A0935334	< 0.1	86.1	16.4	190	81.9	11.6	194	128	4.4	1.05	< 0.1	< 1	0.4	< 0.1	483	24.2	56.5	6.3	22.7	4.4	3.3	0.4	2.3
A0935335	< 0.1	123	19.1	110	96.2	13.2	132	113	6.1	1.54	< 0.1	1	0.3	< 0.1	648	24.2	58.9	6.8	24.7	4.2	3.7	0.4	2.5
A0935336	< 0.1	93.7	18.3	99.6	84.2	13.0	161	119	5.8	1.42	< 0.1	1	0.6	< 0.1	590	24.1	59.9	6.9	24.3	3.7	3.7	0.4	2.6
A0935337	< 0.1	77.3	16.1	119	61.8	12.0	318	125	4.9	1.04	< 0.1	< 1	0.3	< 0.1	450	26.0	59.7	6.7	23.1	4.5	3.5	0.4	2.3
A0935338	< 0.1	83.6	17.6	139	73.3	12.0	235	124	5.0	1.11	< 0.1	1	0.3	< 0.1	499	24.4	58.2	6.5	22.9	3.9	3.4	0.4	2.1
A0935339	< 0.1	87.2	17.3	112	57.2	12.7	264	121	5.2	1.34	< 0.1	< 1	0.4	< 0.1	428	26.0	59.3	6.8	23.7	4.4	3.4	0.4	2.4
A0935340	< 0.1	80.5	16.8	137	64.4	12.5	292	129	3.9	0.94	< 0.1	< 1	0.3	< 0.1	465	26.2	60.1	6.9	23.9	4.3	3.5	0.4	2.4
A0935341	< 0.1	86.2	16.6	117	62.7	11.5	309	119	3.1	0.74	< 0.1	< 1	0.3	< 0.1	436	24.7	56.9	6.5	22.9	3.6	3.3	0.4	2.3
A0935342	< 0.1	81.3	15.9	102	64.6	11.8	317	121	4.8	1.07	< 0.1	< 1	0.3	< 0.1	445	25.3	58.3	6.7	23.3	4.1	3.3	0.4	2.1
A0935343	< 0.1	84.9	16.8	127	59.5	10.9	322	119	4.2	0.94	< 0.1	< 1	0.2	< 0.1	424	23.5	54.8	6.1	21.9	3.7	3.3	0.4	2.1
A0935344	< 0.1	86.2	17.0	106	55.9	11.7	363	131	5.5	1.28	< 0.1	< 1	0.4	< 0.1	394	25.7	58.4	6.7	23.3	4.5	3.5	0.4	2.2



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
A0935296	38.2	< 0.1	0.1	1.1	0.2	0.4	1.4	< 0.001	0.40	18.7	11	9.6	3.0	0.274	0.049	0.34	
A0935297	64.0	< 0.1	0.2	1.4	0.2	0.4	1.6	< 0.001	0.46	69.7	13	7.5	2.7	0.298	0.050	0.44	
A0935298	58.2	< 0.1	0.2	1.3	0.2	0.5	1.7	< 0.001	0.60	19.9	16	8.0	2.2	0.343	0.058	0.48	
A0935299	50.4	< 0.1	0.2	1.2	0.2	0.5	1.6	< 0.001	0.51	28.9	12	7.5	2.8	0.298	0.051	0.56	
A0935300	65.9	< 0.1	0.2	1.3	0.2	0.5	1.6	< 0.001	0.51	19.6	15	8.8	2.7	0.326	0.055	0.58	
A0935301	53.9	< 0.1	0.2	1.3	0.2	0.5	1.2	0.001	0.40	17.9	15	9.1	2.9	0.325	0.059	0.53	
A0935302	63.9	< 0.1	0.1	0.8	0.1	0.3	0.4	< 0.001	1.61	18.6	17	2.7	0.7	0.268	0.050	0.21	
A0935303	59.8	< 0.1	0.1	1.2	0.2	0.6	1.9	0.001	0.56	19.0	16	5.6	2.2	0.376	0.059	0.98	
A0935304	63.0	< 0.1	0.2	1.3	0.2	0.5	2.2	< 0.001	0.64	37.1	15	7.4	2.1	0.310	0.047	0.88	
A0935305	64.2	< 0.1	0.2	1.3	0.2	0.4	2.2	< 0.001	0.66	40.3	18	7.5	2.1	0.319	0.061	1.17	
A0935306	50.6	< 0.1	0.2	1.3	0.2	0.4	1.9	< 0.001	0.65	20.2	17	7.2	2.1	0.365	0.068	0.48	
A0935307	56.8	< 0.1	0.2	1.4	0.2	0.4	1.6	0.001	0.64	18.4	20	8.1	2.2	0.394	0.072	0.52	
A0935308	47.5	< 0.1	0.1	1.2	0.2	0.3	1.6	< 0.001	0.61	28.0	14	6.3	1.9	0.311	0.061	0.40	
A0935309	41.2	< 0.1	0.1	1.1	0.2	0.3	1.6	< 0.001	0.54	24.6	12	6.3	1.9	0.295	0.059	0.37	
A0935310	70.4	< 0.1	0.2	1.2	0.2	0.4	1.9	< 0.001	0.67	31.7	15	8.4	2.5	0.346	0.067	0.62	
A0935311	62.9	< 0.1	0.2	1.2	0.2	0.3	2.2	< 0.001	0.62	49.2	13	7.8	2.5	0.323	0.063	0.35	
A0935312	49.4	< 0.1	0.2	1.3	0.2	0.3	1.4	0.002	0.56	36.6	16	10.8	3.1	0.337	0.064	0.26	
A0935317	55.8	< 0.1	0.2	1.1	0.2	0.3	1.7	0.001	0.56	74.8	15	6.1	1.8	0.298	0.058	0.67	
A0935318	52.4	< 0.1	0.2	1.2	0.2	0.4	1.4	< 0.001	0.54	27.1	14	6.1	1.9	0.300	0.061	0.36	
A0935319	50.8	< 0.1	0.1	1.1	0.2	0.4	1.3	< 0.001	0.55	31.0	14	6.3	1.9	0.317	0.067	0.45	
A0935320	57.7	< 0.1	0.2	1.2	0.2	0.4	1.4	< 0.001	0.58	53.0	15	6.9	1.9	0.331	0.059	0.56	
A0935321	58.8	< 0.1	0.1	1.1	0.2	0.4	1.9	0.001	0.66	334	14	6.5	1.9	0.300	0.056	1.31	
A0935326	57.8	< 0.1	0.2	1.3	0.2	0.4	1.9	0.001	0.63	28.2	18	5.9	1.9	0.339	0.065	0.66	
A0935327	51.1	< 0.1	0.1	1.1	0.2	0.4	2.3	< 0.001	0.60	41.0	12	6.1	1.9	0.297	0.058	0.71	
A0935328	57.0	< 0.1	0.2	1.2	0.2	0.4	2.0	0.001	0.61	88.9	17	6.6	2.1	0.340	0.065	0.80	
A0935345	55.7	0.2	0.2	1.4	0.2	0.1	0.4	0.002	0.60	17.4	18	7.7	2.2	0.320	0.063	0.23	
A0935346	63.4	0.3	0.2	1.2	0.2	0.3	1.2	0.001	0.59	18.4	14	7.0	2.2	0.318	0.063	0.34	
A0935347	41.5	0.2	0.2	1.3	0.2	0.3	1.7	0.001	0.60	26.3	11	5.9	1.8	0.297	0.060	0.33	
A0935348	46.5	< 0.1	0.2	1.3	0.2	0.5	2.5	< 0.001	0.57	18.9	14	8.2	2.8	0.349	0.068	0.42	
A0935349	47.6	< 0.1	0.2	1.2	0.2	0.4	4.0	< 0.001	0.61	44.6	13	5.9	2.0	0.300	0.054	1.12	
A0935350	52.6	< 0.1	0.2	1.1	0.2	0.3	2.0	0.001	0.50	54.3	15	6.7	2.1	0.313	0.068	0.63	
A0935351	54.4	< 0.1	0.2	1.3	0.2	0.4	1.6	< 0.001	0.41	27.6	14	7.3	2.3	0.314	0.062	0.46	
A0935352	58.8	0.1	0.2	1.2	0.2	0.4	1.7	< 0.001	0.41	18.6	15	7.8	2.7	0.348	0.069	0.36	
A0935353	48.0	< 0.1	0.2	1.2	0.2	0.4	1.5	< 0.001	0.47	25.8	12	7.2	2.6	0.316	0.062	0.35	
A0935354	81.4	< 0.1	0.1	1.2	0.2	0.4	1.8	< 0.001	0.61	677	13	6.9	2.0	0.290	0.059	0.76	
A0935355	57.0	< 0.1	0.2	1.2	0.2	0.4	1.4	< 0.001	0.57	19.4	14	6.7	2.0	0.318	0.063	0.44	
A0935356	50.9	< 0.1	0.1	1.2	0.2	0.4	1.3	0.001	0.55	16.4	14	5.9	1.9	0.320	0.064	0.39	
A0935357	52.1	< 0.1	0.2	1.3	0.2	0.4	1.4	< 0.001	0.59	17.1	20	7.4	2.2	0.362	0.072	0.52	
A0935358	65.7	< 0.1	0.1	1.1	0.2	0.4	2.2	0.001	0.57	321	13	6.5	1.8	0.260	0.046	1.34	5.81
A0935359	114	< 0.1	0.1	1.1	0.2	0.4	2.4	< 0.001	0.62	541	11	6.9	2.1	0.235	0.041	1.78	
A0935360	60.2	< 0.1	0.2	1.3	0.2	0.5	2.6	< 0.001	0.70	66.2	14	5.8	1.8	0.320	0.054	1.15	
A0935361	62.4	< 0.1	0.2	1.3	0.2	0.5	2.6	0.001	0.68	401	16	7.8	2.2	0.318	0.053	1.44	
A0935362	186	< 0.1	0.2	1.3	0.2	0.5	2.4	< 0.001	0.65	88.3	15	9.1	2.6	0.303	0.052	1.33	
A0935363	51.7	< 0.1	0.2	1.4	0.2	0.5	1.7	< 0.001	0.60	34.0	17	8.0	2.3	0.314	0.053	0.87	
A0935364	38.5	< 0.1	0.2	1.4	0.2	< 0.1	0.2	0.001	0.53	19.2	15	7.9	2.3	0.282	0.054	0.23	
A0935365	45.0	< 0.1	0.2	1.3	0.2	0.3	1.4	0.001	0.43	54.5	12	8.2	2.4	0.264	0.047	0.30	
A0935366	40.2	0.1	0.2	1.2	0.2	0.2	0.8	< 0.001	0.46	20.0	11	8.6	2.5	0.277	0.052	0.22	
A0935367	43.6	< 0.1	0.2	1.4	0.2	0.5	1.1	< 0.001	0.45	21.6	12	11.5	3.9	0.309	0.054	0.33	
A0935368	52.8	< 0.1	0.2	1.2	0.2	0.5	1.4	< 0.001	0.52	137	13	8.3	2.6	0.288	0.051	0.49	
A0935369	52.2	< 0.1	0.2	1.4	0.2	0.6	1.3	0.001	0.54	20.7	18	8.3	2.5	0.354	0.059	0.30	

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
A0935331	57.7	< 0.1	0.1	1.1	0.2	0.4	2.3	< 0.001	0.58	31.3	13	6.9	2.1	0.310	0.062	0.88	
A0935332	49.2	< 0.1	0.2	1.1	0.2	0.3	1.7	< 0.001	0.61	17.8	13	5.3	2.1	0.310	0.060	0.49	
A0935333	48.4	< 0.1	0.2	1.2	0.2	0.3	1.4	0.001	0.60	17.1	13	7.0	2.1	0.304	0.061	0.33	
A0935334	47.9	0.2	0.2	1.3	0.2	0.2	1.4	< 0.001	0.54	17.6	14	6.7	2.0	0.311	0.065	0.32	
A0935335	49.5	0.2	0.2	1.4	0.2	0.4	2.4	0.001	0.61	17.3	20	8.3	2.2	0.353	0.065	0.34	
A0935336	58.3	0.2	0.2	1.4	0.2	0.3	1.8	< 0.001	0.58	17.5	18	7.9	2.2	0.360	0.067	0.30	
A0935337	54.2	0.4	0.2	1.3	0.2	0.3	1.0	< 0.001	0.40	17.2	13	7.4	2.2	0.320	0.064	0.22	
A0935338	52.0	0.2	0.2	1.3	0.2	0.3	1.0	0.001	0.50	18.1	15	7.1	2.2	0.331	0.065	0.24	
A0935339	54.9	0.2	0.2	1.3	0.2	0.3	1.1	0.003	0.39	17.6	15	7.7	2.1	0.330	0.065	0.24	
A0935340	51.2	0.1	0.2	1.3	0.2	0.2	0.8	< 0.001	0.45	17.2	14	7.4	2.3	0.307	0.063	0.23	
A0935341	50.8	0.2	0.2	1.2	0.2	0.1	0.5	< 0.001	0.41	21.1	13	7.5	2.2	0.286	0.062	0.29	
A0935342	46.3	0.4	0.2	1.3	0.2	0.3	1.1	< 0.001	0.44	17.9	14	7.6	2.1	0.323	0.063	0.29	
A0935343	51.5	0.3	0.2	1.2	0.2	0.2	0.5	< 0.001	0.42	17.8	13	7.1	2.3	0.297	0.064	0.28	
A0935344	49.1	0.3	0.2	1.3	0.2	0.4	1.0	< 0.001	0.37	22.0	14	7.6	2.3	0.328	0.065	0.25	



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		37.5	1.64	1.10	9.22	2.25	1.08		87	52	926	5.20	0.3	200	35.6	3.8	3.1	1.2		3.77	18.9	1.57	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
SDC-1 Meas		34.8	1.53	0.99	8.23	2.21	1.03		41	70	883	4.61	1.2	50	34.4	3.2	2.8	1.2		3.58	16.2	1.46	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
SDC-1 Meas																							
SDC-1 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																				46.1	128		89.0
OREAS 98 (4 Acid) Cert																				45.1	121		97.2
OREAS 98 (4 Acid) Meas																				42.9	119		85.0
OREAS 98 (4 Acid) Cert																				45.1	121		97.2
DNC-1a Meas		4.4	1.39				8.62		137	152		6.44			268						53.2	0.58	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas																							
DNC-1a Cert																							
DNC-1a Meas																							
DNC-1a Cert																							
OREAS 13b (4-Acid) Meas											> 5000				2210					0.98	76.7		
OREAS 13b (4-Acid) Cert											8650.000				2247.000					0.86	75		
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		165						0.3	201	103				3.3	84.9	3.0	3.2	1.1		5.89	20.2	1.50	0.69



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SBC-1 Cert		163						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
SBC-1 Meas		162						0.3	197	108			3.4		84.7	3.2	3.1	1.2		7.28	20.9	1.80	0.65
SBC-1 Cert		163						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
OREAS 45d (4-Acid) Meas		23.3	0.10	0.23	9.09	0.49	0.20		185	524	527	15.7	2.2		238	1.4	0.8	0.5		3.63	30.1	0.59	0.36
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549		14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas		21.4	0.09	0.24	8.06	0.39	0.17		124	535	499	13.9	2.7		230	1.2	0.8	0.4		3.38	29.2	0.57	0.32
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 220 (Fire Assay) Meas	839																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	859																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 96 (4 Acid) Meas																			11.2		44.4		27.1
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 96 (4 Acid) Meas																			11.2		46.7		27.0
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 923 (4 Acid) Meas		33.8	0.33	1.89	8.29	3.11	0.51	0.5	95	79	1080	7.23	3.9		38.6	2.9	2.5	1.0	1.94	6.66	25.5	1.30	18.7
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 923 (4 Acid) Meas		32.6	0.34	1.80	7.73	2.46	0.48	0.3	84	80	976	6.17	3.8		36.7	2.7	2.5	0.9	1.65	5.87	20.9	1.24	23.4
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 621 (4 Acid) Meas		15.4	1.44	0.57	7.27	2.47	2.14	256	34	32	543	4.05	5.0		26.8		1.8		69.8	3.23	30.1		4.22
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas		13.7	1.28	0.51	6.55	2.16	2.04	237	31	36	512	3.54	4.5		28.0		1.6		63.7	2.95	26.8		3.84
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas		15.9	0.63	1.15	3.84	2.64	3.97		155	36	4020	23.1	3.0		70.1	1.8	0.8	0.7	1.26	0.54	494	1.70	8.85
OREAS 522 (4		16.2	0.633	1.12	3.95	2.83	3.65		164	29.6	3970	24.6	2.96		70.0	1.97	0.700	0.660	1.31	0.640	550	1.88	8.72

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
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Oreas 77b (4 Acid Digest) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas	2890																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3070																						
OREAS 238 (Fire Assay) Cert	3030																						
A0935305 Orig	628																						
A0935305 Dup	711																						
A0935309 Orig		25.2	1.70	1.44	7.86	2.01	2.90	0.1	85	109	838	3.65	3.1	60	59.1	1.1	1.2	0.4	0.24	3.21	16.6	0.91	0.11
A0935309 Dup		25.3	1.71	1.45	7.75	2.39	2.96	0.1	84	107	841	3.59	3.2	60	58.0	1.0	1.2	0.4	0.20	3.05	16.4	0.97	0.10
A0935319 Orig	340																						
A0935319 Dup	229																						
A0935327 Orig		19.3	1.07	1.46	7.44	1.80	3.31	0.3	85	128	1070	3.71	3.2	50	60.7	1.1	1.3	0.4	0.44	2.65	17.8	0.99	0.15
A0935327 Dup		19.4	1.07	1.45	7.19	2.35	3.37	0.3	87	115	1090	3.75	3.2	50	63.4	1.0	1.3	0.4	0.41	2.63	17.9	0.89	0.15
A0935351 Orig	26																						
A0935351 Dup	19																						
A0935354 Orig		22.3	0.64	1.32	7.11	3.03	3.70	2.6	88	110	1090	3.71	3.2	20	57.5	1.1	1.4	0.4	1.88	3.12	16.6	0.84	1.51
A0935354 Dup		22.3	0.65	1.35	7.39	3.09	3.65	2.7	88	113	1080	3.69	3.1	50	57.4	1.1	1.4	0.4	2.00	3.28	16.6	0.85	1.53
A0935358 Orig																							
A0935358 Dup																							
A0935360 Orig	384																						
A0935360 Dup	327																						
A0935367 Orig		23.3	2.12	1.56	7.55	1.91	1.93	< 0.1	87	94	549	3.76	4.3	40	47.9	1.3	1.1	0.5	0.27	2.47	16.3	0.96	0.19
A0935367 Dup		23.2	2.06	1.55	7.07	1.88	1.86	0.1	87	102	558	3.79	4.5	20	49.2	1.2	1.1	0.4	0.28	2.36	16.5	0.89	0.20
A0935369 Orig	68	25.6	2.25	1.66	8.37	2.25	1.42	< 0.1	114	106	566	4.41	3.3	50	66.2	1.3	1.3	0.5	0.25	3.00	20.4	0.95	0.17
A0935369 Split PREP DUP	101	25.3	2.12	1.63	8.50	1.68	1.43	< 0.1	111	102	563	4.43	3.3	60	67.8	1.3	1.3	0.5	0.24	3.01	20.1	0.97	0.18
A0935332 Orig	253																						



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935332 Dup	233																						
A0935342 Orig	13																						
A0935342 Dup	6																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	2	1	< 0.01	< 0.1	70	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	3	7	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	2	4	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	2	4	5	< 0.01	< 0.1	90	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	
SDC-1 Meas		114	20.8	< 0.1	117		190	20	0.3				2	< 0.1		591	42.1	89.9		40.4	7.8	7.5	0.9	6.1
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00				3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas		112	19.5	< 0.1	99.3		164	39	1.2				< 1	< 0.1		623	33.6	89.2		36.2	7.4	6.8	0.9	6.0
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00				3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas																								
SDC-1 Cert																								
Oreas 72a (4 Acid Digest) Meas																								
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OREAS 101b (4 Acid) Meas																								
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OREAS 101b (4 Acid) Meas																								
OREAS 101b (4 Acid) Cert																								
OREAS 98 (4 Acid) Meas		147	1540										181	9.3										
OREAS 98 (4 Acid) Cert		158	1360										206	20.1										
OREAS 98 (4 Acid) Meas		142	1470										180	9.6										
OREAS 98 (4 Acid) Cert		158	1360										206	20.1										
DNC-1a Meas		67.4	13.5		3.3	15.7	140	36	1.4					0.7		99	3.4			4.8				
DNC-1a Cert		70	15		5	18.0	144	38.0	3					0.96		118	3.6			5.20				
DNC-1a Meas																								
DNC-1a Cert																								
DNC-1a Meas																								
DNC-1a Cert																								
OREAS 13b (4-Acid) Meas		132		57.3						10.4														
OREAS 13b (4-Acid) Cert		133		57						9.0														
OREAS 904 (4 ACID) Meas																								
OREAS 904 (4 ACID) Cert																								
OREAS 904 (4 ACID) Meas																								
OREAS 904 (4 ACID) Cert																								
SBC-1 Meas		195	22.8	25.6	87.2	24.4	155	112	14.6	3.94			3	1.0		692	29.2	77.1	9.4	35.8	7.8	6.8	0.9	5.6

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas		208	23.4	24.3	130	30.0	165	116	15.2	2.25		3	1.0		756	45.8	110	13.2	46.8	10.0	8.6	1.1	6.4
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas		38.2	23.8	10.1	49.9	12.0	34.2	115	0.2	0.36	< 0.1	< 1	< 0.1		177	17.6	39.1	4.0	14.2	2.7	2.6	0.3	2.4
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas		40.9	20.0	9.4	36.8	10.2	27.8	98	1.8	0.53	< 0.1	< 1	< 0.1		179	14.9	36.4	3.9	13.3	2.7	2.4	0.4	2.1
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	36.1	476										57	3.5										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 96 (4 Acid) Meas	36.8	476										60	3.4										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 923 (4 Acid) Meas	5.3	390	21.0	8.9	183	26.8	43.6	146	14.9	1.05	0.6	15	1.2		414	43.1	84.4	9.6	35.2	6.6	5.7	0.7	4.8
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 923 (4 Acid) Meas	5.8	342	17.6	6.3	152	25.5	39.4	123	14.3	1.04	0.4	12	1.2		445	38.8	87.1	10.1	35.1	6.7	6.1	0.8	4.8
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 621 (4 Acid) Meas	4.9	> 10000	29.0	72.4	95.7	13.5	67.0	202	9.3	14.7	1.9	6	17.9			17.2	46.9					0.5	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 621 (4 Acid) Meas	3.3	> 10000	21.6	65.1	76.3	12.0	69.0	166	9.5	14.7	1.5	5	45.7			20.3	51.3					0.5	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas	2.4	22.1	14.6	469	70.5	16.9	52.5	110	5.6	219	0.2	9	6.6	1.0		45.2	55.4	6.2	21.6	3.6	3.8	0.5	2.9
OREAS 522 (4	2.74	30.2	16.0	490	82.0	18.5	199	112	5.66	206	0.230	9.32	7.93	1.14		171	148	9.76	27.2	4.17	3.87	0.590	3.24



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
A0935305 Orig																							
A0935305 Dup																							
A0935309 Orig	< 0.1	87.6	14.7	3.6	78.2	10.4	223	117	5.1	1.32	< 0.1	< 1	0.3	< 0.1	585	21.2	52.4	5.7	19.9	3.6	2.9	0.3	2.1
A0935309 Dup	< 0.1	89.0	15.2	3.2	84.8	10.3	211	119	4.3	1.58	< 0.1	< 1	0.3	< 0.1	578	21.9	54.5	6.0	21.1	3.4	3.0	0.4	1.9
A0935319 Orig																							
A0935319 Dup																							
A0935327 Orig	< 0.1	119	15.9	28.7	80.2	11.2	221	120	5.1	13.3	< 0.1	< 1	0.6	< 0.1	485	23.0	54.6	5.9	20.9	3.7	3.1	0.4	2.1
A0935327 Dup	< 0.1	113	15.8	26.4	85.6	10.3	225	119	5.3	13.9	< 0.1	< 1	0.6	< 0.1	515	19.2	50.2	5.1	18.4	3.1	2.8	0.3	2.0
A0935351 Orig																							
A0935351 Dup																							
A0935354 Orig	< 0.1	335	15.7	36.4	96.2	10.7	225	117	5.3	1.31	< 0.1	1	1.9	0.3	586	20.5	50.3	5.6	19.3	3.5	3.0	0.3	1.9
A0935354 Dup	< 0.1	335	15.1	36.4	98.6	11.1	230	112	5.2	1.20	< 0.1	1	1.7	0.4	667	21.6	51.8	5.8	20.6	3.6	2.9	0.3	2.1
A0935358 Orig																							
A0935358 Dup																							
A0935360 Orig																							
A0935360 Dup																							
A0935367 Orig	< 0.1	85.5	16.1	0.4	68.0	12.7	228	161	5.9	1.38	< 0.1	1	0.3	< 0.1	578	33.2	74.1	8.0	25.8	4.6	3.7	0.4	2.4
A0935367 Dup	< 0.1	80.6	15.9	0.5	63.5	11.8	221	168	6.5	1.29	< 0.1	1	0.4	< 0.1	586	29.4	68.0	7.1	23.7	4.0	3.3	0.4	2.2
A0935369 Orig	< 0.1	92.3	18.2	30.0	76.9	12.1	227	117	6.6	1.43	< 0.1	1	0.3	< 0.1	640	23.9	58.2	6.5	22.7	3.9	3.5	0.4	2.6
A0935369 Split PREP DUP	< 0.1	97.1	18.5	20.8	69.8	12.6	218	122	5.4	1.40	< 0.1	1	0.3	< 0.1	635	25.9	60.4	6.6	23.0	4.1	3.5	0.4	2.5
A0935332 Orig																							





Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
SDC-1 Meas	32.5		0.5	3.5		< 0.1	< 0.1		0.69	27.6	14	12.5	3.0	0.105	0.056		
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690		
SDC-1 Meas	32.1		0.5	3.3		< 0.1	< 0.1		0.63	25.4	16	11.8	2.7	0.518	0.060		
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690		
SDC-1 Meas											15			0.140	0.054		
SDC-1 Cert											17.00			0.606	0.0690		
Oreas 72a (4 Acid Digest) Meas																	1.62
Oreas 72a (4 Acid Digest) Cert																	1.74
Oreas 72a (4 Acid Digest) Meas																	1.69
Oreas 72a (4 Acid Digest) Cert																	1.74
Oreas 72a (4 Acid Digest) Meas																	1.64
Oreas 72a (4 Acid Digest) Cert																	1.74
OREAS 101b (4 Acid) Meas														0.339	0.120		
OREAS 101b (4 Acid) Cert														0.35			
OREAS 101b (4 Acid) Meas														0.363	0.118		
OREAS 101b (4 Acid) Cert														0.35			
OREAS 101b (4 Acid) Meas														0.355	0.115		
OREAS 101b (4 Acid) Cert														0.35			
OREAS 98 (4 Acid) Meas	> 10000									321							13.4
OREAS 98 (4 Acid) Cert	14800 0.0									345							15.5
OREAS 98 (4 Acid) Meas	> 10000									311							14.7
OREAS 98 (4 Acid) Cert	14800 0.0									345							15.5
DNC-1a Meas	104			1.9						6.0	30			0.267			
DNC-1a Cert	100			2.0						6.3	31			0.29			
DNC-1a Meas											28			0.274			
DNC-1a Cert											31			0.29			
DNC-1a Meas											31			0.274			
DNC-1a Cert											31			0.29			
OREAS 13b (4-Acid) Meas	2260																1.17
OREAS 13b (4-Acid) Cert	2327.0 000																1.2
OREAS 904 (4 ACID) Meas											12			0.105	0.06		
OREAS 904 (4 ACID) Cert											11.2			0.0980	0.0630		
OREAS 904 (4 ACID) Meas											12			0.104	0.06		
OREAS 904 (4 ACID) Cert											11.2			0.0980	0.0630		



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
SBC-1 Meas	31.3		0.4	3.0	0.4	1.1	1.6		0.95	37.2	29	10.3	4.7	0.533			
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51			
SBC-1 Meas	31.8		0.4	3.4	0.5	1.0	1.5		0.92	37.2	20	16.3	5.8	0.484			
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51			
OREAS 45d (4-Acid) Meas	395			1.5	0.2	< 0.1	0.4		0.29	23.9	52	15.5	3.3	0.685	0.038	0.05	
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049	
OREAS 45d (4-Acid) Meas	381			1.4	0.2	< 0.1	0.2		0.25	21.9	53	14.1	2.8	0.369	0.042	0.05	
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049	
OREAS 45d (4-Acid) Meas											53			0.689	0.037	0.05	
OREAS 45d (4-Acid) Cert											49.30			0.773	0.042	0.049	
OREAS 45d (4-Acid) Meas											54			0.369	0.039	0.05	
OREAS 45d (4-Acid) Cert											49.30			0.773	0.042	0.049	
OREAS 220 (Fire Assay) Meas																	
OREAS 220 (Fire Assay) Cert																	
OREAS 220 (Fire Assay) Meas																	
OREAS 220 (Fire Assay) Cert																	
OREAS 96 (4 Acid) Meas	> 10000									100							4.34
OREAS 96 (4 Acid) Cert	39300									101							4.19
OREAS 96 (4 Acid) Meas	> 10000									101							4.41
OREAS 96 (4 Acid) Cert	39300									101							4.19
OREAS 923 (4 Acid) Meas	4280		0.4	2.8	0.4	1.1	5.2		0.94	94.3	14	17.5	3.3	0.423	0.067	0.75	
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691	
OREAS 923 (4 Acid) Meas	4020		0.3	2.6	0.4	1.1	4.7		0.92	91.0	14	18.1	3.3	0.427	0.067	0.73	
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691	
OREAS 621 (4 Acid) Meas	3520			1.1	0.2		2.3		2.26	> 5000	6	3.6	3.1	0.179	0.037	4.38	
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48	
OREAS 621 (4 Acid) Meas	3450			1.0	0.1		2.3		2.11	> 5000	7	7.0	2.8	0.187	0.037	4.71	
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48	
OREAS 621 (4 Acid) Meas											7			0.183	0.036	4.54	
OREAS 621 (4 Acid) Cert											6.24			0.149	0.0359	4.48	
OREAS 522 (4	8430		0.2	1.9	0.3	0.4	133	0.091	0.30	13.2	11	3.5	43.9	0.295	0.085	2.42	



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
Acid) Meas																	
OREAS 522 (4 Acid) Cert	9160		0.280	1.97	0.310	0.440	135	0.0980	0.290	12.5	10.9	7.53	42.2	0.344	0.0890	2.50	
OREAS 522 (4 Acid) Meas											10			0.352	0.086	2.41	
OREAS 522 (4 Acid) Cert											10.9			0.344	0.0890	2.50	
Oreas 77b (4 Acid Digest) Meas											3			0.0576			
Oreas 77b (4 Acid Digest) Cert											3.51			0.0640			
Oreas 77b (4 Acid Digest) Meas											3			0.0591			
Oreas 77b (4 Acid Digest) Cert											3.51			0.0640			
Oreas 77b (4 Acid Digest) Meas											3			0.0581			
Oreas 77b (4 Acid Digest) Cert											3.51			0.0640			
Oreas 77b (4 Acid Digest) Meas											3			0.0583			
Oreas 77b (4 Acid Digest) Cert											3.51			0.0640			
OREAS 229b (Fire Assay) Meas																	12.4
OREAS 229b (Fire Assay) Cert																	11.9
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
A0935305 Orig																	
A0935305 Dup																	
A0935309 Orig	43.7	< 0.1	0.1	1.1	0.2	0.3	1.7	< 0.001	0.53	24.8	12	6.1	1.9	0.297	0.059	0.37	
A0935309 Dup	38.7	< 0.1	0.2	1.1	0.2	0.2	1.5	< 0.001	0.55	24.5	12	6.6	2.0	0.293	0.058	0.37	
A0935319 Orig																	
A0935319 Dup																	
A0935327 Orig	50.2	< 0.1	0.1	1.1	0.2	0.4	2.3	< 0.001	0.61	40.7	12	6.6	1.9	0.293	0.059	0.75	
A0935327 Dup	52.0	< 0.1	0.1	1.1	0.2	0.4	2.3	< 0.001	0.60	41.3	11	5.6	1.9	0.301	0.058	0.66	
A0935351 Orig																	
A0935351 Dup																	
A0935354 Orig	81.4	< 0.1	0.1	1.1	0.2	0.4	1.8	< 0.001	0.62	674	13	6.7	2.0	0.291	0.059	0.76	
A0935354 Dup	81.5	< 0.1	0.2	1.2	0.2	0.4	1.9	< 0.001	0.61	680	13	7.1	2.0	0.290	0.059	0.77	
A0935358 Orig																	5.69
A0935358 Dup																	5.93
A0935360 Orig																	
A0935360 Dup																	
A0935367 Orig	43.3	0.2	0.2	1.4	0.2	0.4	1.0	< 0.001	0.45	21.5	12	12.3	4.1	0.308	0.054	0.32	
A0935367 Dup	43.9	< 0.1	0.2	1.4	0.2	0.6	1.2	< 0.001	0.45	21.7	12	10.8	3.6	0.310	0.054	0.34	
A0935369 Orig	52.2	< 0.1	0.2	1.4	0.2	0.6	1.3	0.001	0.54	20.7	18	8.3	2.5	0.354	0.059	0.30	
A0935369 Split	55.0	< 0.1	0.2	1.4	0.2	0.4	1.0	0.001	0.52	20.4	18	9.0	2.5	0.345	0.057	0.29	

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	FA- GRA
PREP DUP																	
A0935332 Orig																	
A0935332 Dup																	
A0935342 Orig																	
A0935342 Dup																	
Method Blank																	
Method Blank																	
Method Blank																	< 0.03
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank											< 1				< 0.001	< 0.01	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	0.0005	< 0.001	< 0.01	
Method Blank	1.6	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	0.0005	< 0.001	< 0.01	
Method Blank																	
Method Blank											< 1				< 0.001	< 0.01	
Method Blank											< 1				< 0.001	< 0.01	
Method Blank	0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	0.0005	< 0.001	< 0.01	
Method Blank																	
Method Blank											< 1				< 0.001	< 0.01	
Method Blank											< 1				< 0.001	< 0.01	
Method Blank	1.9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	0.0005	< 0.001	< 0.01	



Date Submitted: 04-Sep-19  
Invoice No.: A19-11700  
Invoice Date: 02-Oct-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

49 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-6	QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS)	2019-09-30 14:12:54

REPORT      **A19-11700**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.  
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Date Submitted: 04-Sep-19  
Invoice No.: A19-11700  
Invoice Date: 02-Oct-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

49 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-09-10 19:35:49

REPORT      A19-11700

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



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## Results

## Activation Laboratories Ltd.

Report: A19-11700

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935370	36	24.6	2.29	1.58	8.56	1.52	1.85	< 0.1	105	74	708	4.62	3.2	280	62.3	1.3	1.2	0.5	0.19	3.42	20.8	0.98	0.16
A0935371	59	29.3	1.70	1.89	8.95	2.03	1.61	< 0.1	98	90	646	4.96	2.9	250	75.1	1.4	1.5	0.5	0.18	3.86	24.7	1.07	0.21
A0935372	49	28.6	1.67	1.73	8.50	2.25	1.64	< 0.1	102	80	566	4.43	3.2	180	65.7	1.3	1.6	0.4	0.19	3.46	22.2	0.98	0.26
A0935373	10	28.5	2.11	1.72	8.54	1.86	1.88	< 0.1	104	77	613	4.44	3.5	160	59.7	1.3	1.3	0.4	0.22	3.86	20.1	1.01	0.23
A0935374	27	26.2	2.29	1.53	7.94	1.92	1.77	< 0.1	84	127	588	3.93	3.4	160	51.6	1.2	1.2	0.4	0.18	3.38	18.0	0.92	0.17
A0935375	17	25.9	2.33	1.49	8.16	1.80	2.14	< 0.1	86	69	622	3.80	3.3	120	48.6	1.2	1.3	0.4	0.15	3.80	17.2	0.97	0.18
A0935376	40	29.2	2.21	1.62	8.50	1.84	1.85	< 0.1	97	76	617	4.25	3.3	160	56.7	1.2	1.6	0.5	0.15	5.09	18.9	0.99	0.26
A0935377	< 5	24.7	> 3.00	0.81	8.25	1.83	1.17	0.2	53	50	423	2.67	4.8	190	29.5	0.8	3.4	0.3	0.38	5.24	9.7	0.78	0.69
A0935378	< 5	28.9	2.24	1.53	8.05	1.58	2.20	< 0.1	88	100	626	4.12	3.2	280	57.0	1.3	1.4	0.4	0.18	3.88	19.5	0.92	0.28
A0935379	27	27.0	2.81	1.48	8.46	1.43	1.87	< 0.1	87	74	592	4.07	3.3	280	51.6	1.4	1.3	0.4	0.18	3.06	18.8	0.96	0.21
A0935380	< 5	28.9	2.02	1.61	8.29	2.16	2.13	< 0.1	100	92	614	4.54	3.5	200	61.0	1.4	1.4	0.4	0.28	3.37	21.7	0.97	0.30
A0935381	14	25.9	1.86	1.57	8.51	2.02	2.95	< 0.1	94	80	833	4.24	3.1	120	57.2	1.1	1.3	0.4	0.31	4.35	21.0	0.94	0.32
A0935382	< 5	20.8	2.93	1.43	7.84	1.17	2.33	< 0.1	86	97	597	3.96	4.1	140	48.1	1.2	1.2	0.4	0.18	3.91	17.9	0.97	0.14
A0935383	< 5	17.3	> 3.00	1.31	7.90	0.91	2.48	< 0.1	79	83	545	3.53	3.5	170	42.6	1.1	1.1	0.4	0.23	8.71	15.5	0.93	0.18
A0935384	5	31.3	2.52	2.89	7.01	1.56	5.21	0.1	114	172	909	4.73	3.0	270	69.2	1.2	1.4	0.4	0.38	20.0	25.9	1.01	0.14
A0935385	< 5	24.2	2.42	1.63	8.00	1.33	2.05	0.1	90	108	559	3.98	4.2	300	49.8	1.4	1.1	0.4	0.19	3.13	18.2	0.95	0.21
A0935386	< 5	21.0	2.65	1.40	8.05	0.99	2.12	< 0.1	75	74	523	3.60	3.0	260	44.0	1.1	1.2	0.4	0.17	3.53	15.6	0.82	0.23
A0935387	< 5	22.1	2.51	1.44	8.34	1.15	2.16	< 0.1	90	84	613	3.82	3.2	270	52.7	1.2	1.2	0.4	0.12	3.57	17.9	0.90	0.15
A0935388	< 5	23.4	2.69	1.51	8.36	1.01	1.89	< 0.1	95	97	625	4.05	3.4	220	55.5	1.3	1.2	0.5	0.16	3.64	19.5	0.95	0.21
A0935389	< 5	23.1	2.83	1.59	8.23	1.04	2.22	0.1	97	98	665	4.21	3.9	260	53.0	1.4	1.1	0.5	0.20	2.60	19.2	1.02	0.26
A0935390	< 5	25.0	2.97	1.68	8.75	1.06	1.54	< 0.1	101	96	574	4.38	2.5	210	58.3	1.3	1.1	0.5	0.14	2.55	20.2	0.98	0.22
A0935391	< 5	24.6	2.91	1.59	8.59	1.00	1.91	< 0.1	102	86	619	4.30	0.9	350	56.7	1.4	1.3	0.5	0.14	3.06	20.0	0.96	0.22
A0935392	< 5	24.4	2.53	1.55	8.16	1.32	2.55	< 0.1	101	99	649	4.28	3.9	330	57.0	1.4	1.3	0.5	0.17	3.14	20.0	0.95	0.18
A0935393	< 5	21.1	2.01	1.34	8.18	1.36	2.53	< 0.1	86	103	583	3.88	1.9	300	48.1	1.2	1.2	0.4	0.20	3.60	18.0	0.94	0.21
A0935394	< 5	21.6	2.20	1.42	8.01	1.55	2.70	< 0.1	83	101	538	3.85	0.7	290	44.2	1.3	1.0	0.4	0.18	2.86	16.8	1.03	0.21
A0935395	< 5	25.1	1.25	1.39	9.08	1.66	4.01	0.1	94	54	658	3.48	2.8	280	25.5	1.2	1.2	0.4	0.18	3.01	13.9	0.82	0.15
A0935396	67	26.2	1.67	1.64	9.36	1.25	2.26	< 0.1	122	102	633	4.93	1.8	300	70.8	1.4	1.4	0.5	0.19	2.95	23.7	1.06	0.24
A0935397	79	27.6	1.76	1.71	8.72	1.79	2.59	0.1	101	138	684	4.61	3.1	260	64.6	1.2	1.5	0.4	0.34	3.43	21.3	1.07	0.46
A0935398	99	27.7	1.30	1.71	8.50	1.40	1.84	0.1	100	146	619	4.56	3.4	360	69.6	1.3	1.3	0.4	0.20	3.70	22.0	1.04	0.13
A0935399	285	16.8	0.45	0.91	6.07	1.72	2.76	3.3	70	105	583	2.91	2.3	140	46.7	1.0	1.0	0.4	0.57	2.65	13.7	0.74	0.24
A0935400	255	27.0	0.99	1.63	9.08	3.92	2.02	1.4	111	125	840	4.37	3.4	200	76.4	1.3	1.5	0.4	0.99	3.67	23.6	1.06	0.32
A0935401	450	26.2	1.01	1.80	8.36	2.64	2.81	0.3	101	114	1070	4.49	3.6	140	68.4	1.2	1.3	0.5	0.32	3.03	21.8	1.03	0.19
A0935402	78	25.6	1.85	1.72	8.08	1.73	2.26	0.1	98	115	699	4.27	3.5	120	66.3	1.1	1.2	0.4	0.16	3.06	21.0	0.97	0.11
A0935403	17	25.0	1.99	1.86	7.76	1.96	2.49	0.1	102	140	777	4.70	4.0	120	68.4	1.2	1.1	0.4	0.25	3.12	22.9	1.07	0.27
A0935404	5	22.7	2.18	1.75	7.65	1.71	2.89	0.1	88	107	725	4.15	3.4	120	62.6	1.2	1.1	0.4	0.20	3.17	19.9	0.94	0.20
A0935405	< 5	25.9	1.82	1.72	7.24	1.83	2.74	0.1	88	141	712	4.16	3.8	180	60.7	1.3	1.1	0.4	0.20	3.15	19.8	0.98	0.26
A0935406	< 5	26.4	1.38	1.64	7.63	2.01	3.05	0.2	100	122	736	4.24	3.2	210	71.0	1.3	1.3	0.4	0.27	3.56	22.4	0.95	0.21
A0935407	6	23.3	1.88	1.35	8.02	2.38	3.07	0.1	87	103	738	3.73	3.3	240	62.1	1.2	1.3	0.4	0.18	3.04	18.2	1.03	0.09
A0935408	160	31.1	1.49	1.52	8.74	2.31	2.49	< 0.1	113	115	716	4.30	3.5	180	75.0	1.4	1.4	0.5	0.19	3.46	24.6	1.09	0.11
A0935409	70	28.0	0.25	1.52	9.18	> 5.00	1.90	< 0.1	132	120	830	4.53	3.5	110	67.0	1.6	1.9	0.5	0.29	4.16	22.4	1.02	0.15
A0935410	4010	18.6	0.34	0.95	7.36	4.11	1.67	0.7	94	92	663	3.16	2.9	110	46.7	1.2	1.5	0.4	0.77	3.45	14.4	0.80	0.49
A0935411	354	23.6	0.97	1.28	8.35	3.75	1.93	0.1	100	88	803	3.68	3.3	60	51.1	1.3	1.5	0.4	0.34	3.97	15.4	0.93	0.09
A0935412	877	22.8	0.41	1.45	7.14	3.86	3.94	19.4	89	91	1210	5.47	2.7	120	71.6	1.3	1.4	0.4	3.45	3.56	27.3	0.86	1.66
A0935413	624	22.5	0.24	1.25	8.19	3.44	1.84	2.9	98	107	687	4.19	3.2	190	51.6	1.3	1.7	0.4	1.50	3.44	17.9	0.88	0.30
A0935414	154	26.1	1.08	1.50	8.50	2.59	1.61	< 0.1	98	122	607	4.58	3.4	290	65.8	1.3	1.5	0.5	0.29	3.77	21.4	0.97	0.16
A0935415	63	27.2	1.39	1.78	8.49	1.85	2.21	0.2	106	101	802	4.98	3.3	260	68.4	1.4	1.6	0.5	0.31	3.86	23.8	1.00	0.25
A0935416	68	25.0	2.03	1.52	8.34	1.96	2.10	0.1	90	87	636	4.00	3.7	160	54.5	1.3	1.4	0.4	0.24	3.44	19.4	1.00	0.16
A0935417	1260	28.6	1.42	1.65	8.56	3.34	1.42	< 0.1	105	98	513	4.57	3.4	120	65.1	1.5	1.5	0.5	0.53	3.53	20.7	0.96	0.48
A0935418	14	22.4	2.49	1.46	7.56	1.89	2.01	1.0	77	92	584	3.71	4.2	120	43.0	1.2	1.1	0.4	0.25	2.75	16.2	0.97	0.24



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935370	0.6	80.1	16.6	75.6	57.2	13.0	267	117	3.5	1.12	< 0.1	1	0.3	< 0.1	536	29.0	59.5	7.1	26.6	3.9	3.6	0.4	2.4
A0935371	0.7	84.7	17.5	31.5	71.3	14.7	221	98	0.8	0.63	< 0.1	1	0.2	< 0.1	598	30.2	62.7	7.5	28.4	4.3	3.9	0.4	2.8
A0935372	0.7	76.1	16.1	51.7	77.2	13.0	174	118	3.0	1.26	< 0.1	1	0.4	< 0.1	598	29.3	60.4	7.1	26.9	4.0	3.4	0.4	2.4
A0935373	0.8	78.8	16.9	23.7	66.7	13.2	215	128	4.9	1.29	< 0.1	1	0.3	< 0.1	573	30.2	62.6	7.4	27.9	4.0	3.4	0.4	2.5
A0935374	0.7	71.7	14.7	20.6	68.9	12.5	224	125	3.2	1.06	< 0.1	1	0.2	< 0.1	540	29.3	60.0	7.1	26.1	4.1	3.3	0.4	2.3
A0935375	0.7	68.4	15.1	14.2	66.1	12.4	236	120	4.1	1.22	< 0.1	1	0.1	< 0.1	580	27.3	56.1	6.7	24.9	3.5	3.2	0.4	2.3
A0935376	0.9	71.3	15.8	10.6	75.1	13.4	231	127	3.7	1.93	< 0.1	1	0.2	< 0.1	617	29.8	61.0	7.3	26.6	4.2	3.6	0.4	2.5
A0935377	0.9	71.0	18.8	7.9	88.3	9.3	267	169	10.0	1.03	< 0.1	< 1	0.5	< 0.1	475	32.2	66.2	7.3	25.5	3.7	2.8	0.3	1.7
A0935378	0.7	72.7	15.5	10.0	66.8	13.0	214	117	2.4	1.38	< 0.1	1	0.1	< 0.1	576	26.9	56.0	6.7	24.6	3.8	3.2	0.4	2.5
A0935379	0.6	78.8	16.1	6.6	52.5	12.8	210	128	3.7	1.13	< 0.1	1	0.2	< 0.1	566	29.6	59.8	7.1	26.1	4.0	3.4	0.4	2.4
A0935380	0.6	82.7	16.3	2.5	69.4	13.1	215	127	5.6	1.38	< 0.1	1	0.2	< 0.1	582	29.0	59.7	7.2	26.5	3.8	3.4	0.4	2.6
A0935381	0.6	46.8	15.9	3.8	70.4	11.4	244	112	5.5	1.01	< 0.1	1	0.2	< 0.1	653	26.7	54.3	6.5	23.8	3.6	3.2	0.4	2.2
A0935382	0.6	66.0	15.0	1.4	46.5	11.6	343	150	5.5	1.70	< 0.1	1	0.2	< 0.1	472	32.7	64.5	7.5	26.4	4.3	3.4	0.4	2.4
A0935383	0.7	55.5	16.6	0.5	47.7	11.3	409	132	5.4	1.07	< 0.1	< 1	0.2	< 0.1	241	31.0	60.7	7.1	26.0	3.9	3.1	0.3	2.2
A0935384	0.5	69.5	12.6	7.8	87.2	11.8	515	112	5.4	0.98	< 0.1	< 1	< 0.1	< 0.1	401	27.9	56.8	7.0	25.9	4.0	3.5	0.4	2.5
A0935385	0.8	74.6	13.5	1.2	48.8	13.0	220	155	5.7	1.35	< 0.1	1	0.2	< 0.1	619	32.5	64.9	7.6	27.4	4.2	3.4	0.4	2.5
A0935386	0.5	66.5	14.6	2.5	39.8	10.8	276	109	4.5	1.26	< 0.1	< 1	0.2	< 0.1	529	24.9	50.1	5.9	22.0	3.3	2.8	0.3	2.1
A0935387	0.6	70.8	15.3	8.2	45.9	12.2	283	116	4.0	1.20	< 0.1	1	0.1	< 0.1	576	27.1	55.0	6.7	24.2	3.8	3.3	0.4	2.4
A0935388	0.6	69.5	15.6	6.7	42.8	13.0	268	125	4.6	1.67	< 0.1	1	0.2	< 0.1	545	28.4	56.9	6.8	25.1	4.1	3.2	0.4	2.3
A0935389	0.7	79.9	15.2	2.7	40.2	14.3	310	146	5.5	1.42	< 0.1	1	0.2	< 0.1	489	33.2	66.0	7.6	28.2	4.0	3.7	0.4	2.7
A0935390	0.6	82.5	16.4	1.4	41.8	13.6	303	112	4.4	1.09	< 0.1	1	0.1	< 0.1	502	30.4	61.5	7.3	26.7	4.4	3.6	0.4	2.5
A0935391	0.7	81.5	15.8	3.1	41.0	13.6	299	74	3.6	4.14	< 0.1	1	0.2	< 0.1	516	28.6	58.2	7.0	26.0	4.0	3.5	0.4	2.5
A0935392	0.7	76.7	15.0	3.7	52.0	14.1	332	146	5.4	1.35	< 0.1	1	0.2	< 0.1	549	30.6	62.2	7.3	26.9	4.3	3.5	0.4	2.7
A0935393	0.6	70.6	14.5	0.5	55.2	12.2	316	101	4.5	1.24	< 0.1	1	0.2	< 0.1	542	32.4	64.9	7.5	27.3	4.5	3.5	0.4	2.4
A0935394	0.7	74.0	14.0	1.0	59.5	12.7	312	54	4.2	1.34	< 0.1	1	0.2	< 0.1	549	32.0	63.6	7.4	26.7	4.2	3.4	0.4	2.4
A0935395	0.7	67.6	13.3	0.9	67.1	11.2	285	103	4.0	1.33	< 0.1	< 1	0.2	< 0.1	727	21.6	45.5	5.7	21.4	3.3	3.0	0.3	2.2
A0935396	0.7	86.7	16.9	20.0	51.6	14.7	289	94	5.1	1.27	< 0.1	1	0.3	< 0.1	627	30.4	62.7	7.7	28.7	4.3	3.8	0.5	2.8
A0935397	0.7	103	16.2	81.2	73.2	12.2	234	127	4.6	1.87	< 0.1	1	0.5	< 0.1	554	31.0	63.9	7.8	29.4	4.1	3.7	0.4	2.4
A0935398	0.6	96.0	15.9	75.0	62.2	12.0	189	124	5.6	1.27	< 0.1	1	0.4	< 0.1	575	29.0	59.3	7.2	27.6	4.1	3.6	0.4	2.4
A0935399	0.7	509	11.2	16.5	57.4	10.3	263	81	3.9	2.03	< 0.1	< 1	0.5	< 0.1	414	18.6	40.2	4.9	18.9	2.8	2.6	0.3	1.9
A0935400	0.6	246	19.7	117	123	12.8	143	118	6.0	1.54	< 0.1	1	1.4	< 0.1	388	27.1	57.4	7.0	27.0	4.4	3.7	0.4	2.6
A0935401	0.6	143	15.9	32.9	84.9	12.1	187	128	5.5	1.47	< 0.1	1	0.4	< 0.1	595	27.3	57.5	7.0	26.4	4.3	3.5	0.4	2.4
A0935402	0.6	86.5	15.6	20.2	60.2	11.8	226	126	5.5	1.18	< 0.1	1	0.4	< 0.1	519	27.9	58.7	7.1	27.1	4.3	3.4	0.4	2.3
A0935403	0.6	86.1	14.8	13.6	70.3	12.2	248	147	5.5	1.28	< 0.1	1	0.6	< 0.1	486	30.5	62.3	7.5	28.4	4.4	3.5	0.4	2.4
A0935404	0.6	76.5	13.8	15.8	60.7	11.5	290	118	4.8	1.02	< 0.1	< 1	0.4	< 0.1	494	25.9	54.1	6.6	24.8	4.0	3.2	0.4	2.2
A0935405	0.5	90.8	12.7	9.4	63.4	11.6	200	128	4.2	1.12	< 0.1	< 1	0.3	< 0.1	492	29.9	61.2	7.4	27.6	4.7	3.5	0.4	2.3
A0935406	0.5	109	14.8	27.3	80.7	12.3	248	109	4.6	1.49	< 0.1	1	0.5	< 0.1	593	24.3	55.2	6.7	25.5	3.8	3.5	0.4	2.5
A0935407	0.5	75.1	14.0	39.6	77.3	11.2	230	119	4.9	1.25	< 0.1	1	0.5	< 0.1	542	26.1	53.4	6.7	24.7	3.9	3.3	0.4	2.2
A0935408	0.6	83.9	16.6	95.3	74.4	13.3	201	124	6.3	1.49	< 0.1	1	0.5	< 0.1	592	28.5	59.5	7.6	27.6	4.1	3.8	0.4	2.6
A0935409	0.6	103	23.7	78.3	151	14.5	152	124	6.9	3.23	< 0.1	2	0.7	< 0.1	180	29.4	62.2	7.8	28.7	4.4	3.9	0.5	2.8
A0935410	0.6	108	17.7	32.5	123	11.1	143	102	5.6	1.47	< 0.1	1	0.8	0.2	254	24.2	50.5	6.3	22.6	3.7	3.1	0.4	2.2
A0935411	0.6	82.6	17.9	3.9	116	12.3	166	119	6.2	1.23	< 0.1	1	0.9	< 0.1	350	28.0	57.8	6.8	25.3	4.1	3.6	0.4	2.4
A0935412	1.6	2240	17.2	524	119	11.7	206	95	5.2	2.77	0.1	1	3.6	0.8	144	23.4	48.4	6.0	22.6	3.5	3.0	0.4	2.3
A0935413	0.6	357	19.3	3.3	109	11.2	161	113	5.7	1.62	< 0.1	2	1.8	0.2	167	25.9	53.5	6.6	23.9	3.4	3.2	0.4	2.2
A0935414	0.5	104	18.6	0.5	102	13.7	154	120	6.0	1.13	< 0.1	1	0.5	< 0.1	251	28.9	58.8	7.3	26.2	3.8	3.5	0.4	2.7
A0935415	0.8	96.0	20.2	1.5	86.7	13.6	210	116	6.4	1.27	< 0.1	2	0.4	0.1	231	27.8	58.0	7.2	26.2	4.2	3.6	0.4	2.7
A0935416	0.4	98.1	15.3	2.6	69.0	13.1	214	136	5.6	0.98	< 0.1	1	0.3	< 0.1	550	29.5	59.7	7.3	26.2	4.4	3.5	0.4	2.4
A0935417	0.5	132	20.6	1.4	106	14.2	175	122	6.6	1.29	< 0.1	2	0.5	< 0.1	249	28.4	59.3	7.4	26.6	4.5	3.7	0.4	2.6
A0935418	0.5	154	14.0	< 0.1	65.9	12.7	239	154	5.5	1.18	< 0.1	1	0.3	< 0.1	474	32.9	63.7	7.7	26.3	3.9	3.2	0.4	2.3



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0935370	57.3	0.1	0.2	1.3	0.2	0.1	0.6	< 0.001	0.49	17.7	16	9.1	2.5	0.317	0.057	0.22
A0935371	58.6	0.3	0.2	1.5	0.2	< 0.1	0.2	0.001	0.59	16.5	19	9.5	2.6	0.265	0.056	0.25
A0935372	60.5	0.3	0.2	1.3	0.2	< 0.1	1.0	< 0.001	0.55	16.8	16	9.2	2.7	0.303	0.055	0.27
A0935373	51.2	0.3	0.2	1.3	0.2	0.2	1.2	< 0.001	0.53	17.2	15	9.8	2.7	0.312	0.057	0.27
A0935374	41.0	0.4	0.2	1.2	0.2	0.1	0.7	< 0.001	0.45	17.8	13	9.7	2.8	0.280	0.056	0.17
A0935375	40.6	0.3	0.2	1.2	0.2	0.2	1.0	< 0.001	0.49	15.7	13	8.7	2.7	0.290	0.057	0.13
A0935376	45.6	0.4	0.2	1.3	0.2	0.1	0.9	< 0.001	0.67	14.5	14	9.6	2.7	0.307	0.058	0.15
A0935377	26.5	< 0.1	0.1	0.9	0.1	0.5	1.1	< 0.001	0.75	27.1	7	14.8	7.3	0.205	0.036	0.15
A0935378	43.4	0.2	0.2	1.3	0.2	0.1	0.5	< 0.001	0.55	15.5	14	9.2	2.7	0.275	0.056	0.18
A0935379	47.0	0.2	0.2	1.3	0.2	0.1	0.8	< 0.001	0.42	14.4	13	10.4	3.2	0.297	0.057	0.20
A0935380	48.7	0.1	0.2	1.3	0.2	0.4	1.7	< 0.001	0.49	16.8	15	9.8	2.8	0.326	0.058	0.39
A0935381	41.0	0.2	0.2	1.2	0.2	0.4	1.5	< 0.001	0.57	16.2	14	8.7	2.5	0.300	0.054	0.30
A0935382	37.5	0.1	0.2	1.2	0.2	0.4	1.1	< 0.001	0.44	16.6	12	11.5	3.5	0.293	0.053	0.24
A0935383	51.2	< 0.1	0.2	1.1	0.2	0.4	0.7	< 0.001	0.45	14.6	11	10.9	3.2	0.272	0.053	0.34
A0935384	81.0	< 0.1	0.2	1.2	0.2	0.2	0.6	< 0.001	1.08	14.0	12	7.8	2.2	0.309	0.075	0.17
A0935385	50.0	< 0.1	0.2	1.3	0.2	0.4	1.5	< 0.001	0.38	15.6	12	12.7	3.9	0.304	0.054	0.31
A0935386	41.8	< 0.1	0.2	1.1	0.2	0.2	0.9	< 0.001	0.40	15.8	10	8.3	2.4	0.250	0.047	0.20
A0935387	43.6	< 0.1	0.2	1.2	0.2	0.1	0.6	< 0.001	0.44	13.4	13	9.2	2.6	0.294	0.055	0.21
A0935388	48.5	0.1	0.2	1.3	0.2	0.2	0.7	< 0.001	0.45	15.9	15	9.7	2.8	0.309	0.054	0.26
A0935389	53.9	< 0.1	0.2	1.4	0.2	0.4	0.8	< 0.001	0.35	17.5	14	12.1	3.8	0.332	0.056	0.29
A0935390	55.3	< 0.1	0.2	1.4	0.2	0.2	0.6	< 0.001	0.37	15.7	15	10.6	3.2	0.332	0.063	0.26
A0935391	49.9	< 0.1	0.2	1.4	0.2	< 0.1	0.7	0.005	0.44	15.4	14	9.5	2.9	0.326	0.060	0.18
A0935392	47.9	< 0.1	0.2	1.4	0.2	0.2	0.9	< 0.001	0.52	15.0	15	10.9	3.4	0.334	0.062	0.23
A0935393	44.0	< 0.1	0.2	1.3	0.2	< 0.1	1.1	< 0.001	0.54	15.2	12	11.6	3.5	0.295	0.051	0.39
A0935394	39.2	< 0.1	0.2	1.3	0.2	< 0.1	1.0	< 0.001	0.49	14.1	11	11.9	4.2	0.275	0.045	0.35
A0935395	28.7	< 0.1	0.2	1.1	0.2	0.1	1.4	< 0.001	0.69	13.8	9	6.1	1.5	0.299	0.057	0.39
A0935396	54.9	< 0.1	0.2	1.5	0.2	< 0.1	1.1	0.001	0.51	15.1	18	9.8	2.8	0.358	0.060	0.34
A0935397	50.0	< 0.1	0.2	1.3	0.2	0.1	1.9	0.001	0.56	26.3	14	9.9	2.8	0.335	0.068	0.56
A0935398	49.5	< 0.1	0.2	1.3	0.2	0.4	2.6	< 0.001	0.63	15.0	15	8.2	2.3	0.344	0.066	0.45
A0935399	71.0	< 0.1	0.1	1.0	0.1	0.3	2.7	< 0.001	0.46	115	11	5.6	1.5	0.236	0.048	0.56
A0935400	62.1	< 0.1	0.2	1.3	0.2	0.4	2.3	0.001	0.67	98.6	16	8.6	2.3	0.326	0.064	0.68
A0935401	47.3	0.1	0.2	1.3	0.2	0.4	2.0	< 0.001	0.55	34.9	15	8.1	2.3	0.327	0.064	0.28
A0935402	41.8	0.2	0.2	1.2	0.2	0.4	1.6	< 0.001	0.50	17.1	14	8.7	2.4	0.324	0.067	0.22
A0935403	51.3	0.1	0.2	1.3	0.2	0.4	1.5	< 0.001	0.44	16.7	15	9.8	2.9	0.345	0.067	0.27
A0935404	50.8	0.3	0.2	1.2	0.2	0.3	1.1	< 0.001	0.44	14.9	13	7.7	2.2	0.304	0.065	0.19
A0935405	46.1	0.1	0.2	1.2	0.2	0.2	1.3	< 0.001	0.45	18.7	13	10.2	3.0	0.303	0.059	0.25
A0935406	54.0	0.1	0.2	1.3	0.2	0.3	1.5	0.001	0.52	23.0	15	8.9	2.5	0.301	0.059	0.34
A0935407	42.0	0.2	0.2	1.2	0.2	0.3	1.4	< 0.001	0.49	15.2	13	7.4	2.1	0.296	0.061	0.27
A0935408	52.5	0.1	0.2	1.4	0.2	0.4	1.7	0.001	0.57	16.7	17	8.2	2.3	0.362	0.072	0.40
A0935409	59.5	< 0.1	0.2	1.6	0.2	0.6	2.6	0.001	0.70	23.3	21	9.8	3.0	0.370	0.064	0.88
A0935410	35.2	< 0.1	0.2	1.2	0.2	0.5	2.3	< 0.001	0.63	277	16	8.3	2.2	0.304	0.053	0.73
A0935411	39.5	< 0.1	0.2	1.3	0.2	0.5	2.3	< 0.001	0.65	36.5	16	9.3	2.7	0.322	0.058	0.70
A0935412	73.9	< 0.1	0.2	1.3	0.2	0.4	2.5	< 0.001	0.61	2240	15	7.6	2.1	0.272	0.050	1.29
A0935413	67.2	< 0.1	0.2	1.2	0.2	0.5	3.0	< 0.001	0.64	507	16	8.7	2.4	0.310	0.052	1.24
A0935414	46.8	< 0.1	0.2	1.4	0.2	0.5	1.9	< 0.001	0.59	23.0	16	9.4	2.7	0.318	0.056	1.02
A0935415	74.3	< 0.1	0.2	1.4	0.2	0.5	1.9	< 0.001	0.55	23.8	16	9.5	2.8	0.326	0.056	0.79
A0935416	47.6	0.2	0.2	1.3	0.2	0.3	1.6	< 0.001	0.49	23.4	14	9.6	2.8	0.303	0.056	0.39
A0935417	96.7	< 0.1	0.2	1.4	0.2	0.5	2.1	< 0.001	0.52	56.7	17	9.5	2.8	0.333	0.059	0.74
A0935418	47.4	< 0.1	0.2	1.3	0.2	0.5	1.4	< 0.001	0.36	21.9	12	11.1	3.4	0.281	0.050	0.33



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		36.6	1.68	1.09	8.65	1.74	1.05		31	51	862	4.88	0.9	180	35.4	3.5	2.9	1.2		3.94	18.5	1.57	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
Oreas 72a (4 Acid Digest) Meas										240		9.01			> 5000						155		
Oreas 72a (4 Acid Digest) Cert										228		9.63			6930.00						157		
OREAS 101b (4 Acid) Meas				1.26		1.31			71		910	10.6			8.6	14.3		4.9			46.1	7.57	
OREAS 101b (4 Acid) Cert				1.23		2.36			77		927	10.7			8.2	15		5.2			45	8.1	
OREAS 98 (4 Acid) Meas																			42.7		120		88.4
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
DNC-1a Meas		4.8	1.48				8.24		144	156		6.91			263						58.5	0.56	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas		16.2	0.04	0.60	6.58	2.33	0.04		73	58	408	6.58	5.2		40.8		8.4		0.59	3.58	84.2		4.14
OREAS 904 (4 ACID) Cert		16.7	0.0340	0.556	6.30	3.31	0.0460		76.0	54.0	410	6.68	5.00		40.1		7.86		0.551	3.79	83.0		4.05
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas		22.2	0.10	0.24	8.40	0.48	0.18		94	509	454	13.8	1.8		221	1.3	0.9	0.5		3.61	28.9	0.62	0.32
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 220 (Fire Assay) Meas	870																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	904																						
OREAS 220 (Fire Assay) Cert	866																						

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Assay) Cert																							
OREAS 220 (Fire Assay) Meas	860																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas		13.8	1.36	0.54	6.59	2.55	1.90	277	32	54	568	3.80	4.6		29.1		1.9		60.5	3.27	29.5		4.04
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas		19.5	0.42	2.70	1.91	0.41	2.70	1.2	29	303	676	28.6	1.2		> 5000		0.5		1.51	2.18	> 500		3.37
Oreas 77b (4 Acid Digest) Cert		18.8	0.434	2.59	1.94	0.361	3.06	1.20	33.6	280	640	29.9	1.15		113000		0.470		1.62	2.32	1550		3.44
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 238 (Fire Assay) Meas	3110																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3170																						
OREAS 238 (Fire Assay) Cert	3030																						
A0935379 Orig	21																						
A0935379 Dup	32																						
A0935383 Orig		17.3	> 3.00	1.29	7.73	0.87	2.48	< 0.1	78	78	541	3.47	3.6	130	41.5	1.2	1.1	0.4	0.22	8.61	15.1	0.93	0.18
A0935383 Dup		17.4	> 3.00	1.33	8.08	0.95	2.47	< 0.1	79	89	549	3.59	3.5	200	43.8	1.1	1.1	0.4	0.24	8.82	15.9	0.94	0.18
A0935389 Orig	< 5																						
A0935389 Dup	< 5																						
A0935393 Orig		21.5	2.02	1.36	8.26	1.31	2.55	< 0.1	86	109	594	3.89	2.9	310	47.7	1.2	1.3	0.4	0.20	3.63	17.9	0.98	0.22
A0935393 Dup		20.7	2.00	1.32	8.09	1.41	2.52	< 0.1	86	98	572	3.86	0.9	300	48.4	1.2	1.2	0.4	0.20	3.57	18.0	0.91	0.20
A0935399 Orig	316																						
A0935399 Dup	253																						
A0935404 Orig		22.8	2.20	1.78	7.65	1.68	2.88	0.1	88	110	720	4.19	3.3	120	63.0	1.1	1.2	0.4	0.19	3.15	20.0	0.95	0.21
A0935404 Dup		22.6	2.16	1.72	7.64	1.74	2.90	0.1	87	105	730	4.10	3.4	130	62.2	1.3	1.1	0.4	0.20	3.19	19.8	0.93	0.19



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935410 Orig	3770																						
A0935410 Dup	4240																						
A0935417 Orig		28.5	1.42	1.64	8.48	3.36	1.41	0.1	106	97	514	4.55	3.4	140	64.6	1.5	1.5	0.5	0.50	3.50	20.6	0.95	0.49
A0935417 Dup		28.6	1.42	1.65	8.64	3.32	1.43	< 0.1	105	100	512	4.58	3.4	100	65.6	1.4	1.4	0.5	0.56	3.55	20.9	0.96	0.47
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
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Method Blank																							
Method Blank																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		99.8	18.4	< 0.1	76.1		174	30	0.1			< 1	< 0.1		617	41.9	99.4		46.8	7.9	7.9	1.0	6.4
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
Oreas 72a (4 Acid Digest) Meas				5.0																			
Oreas 72a (4 Acid Digest) Cert				14.7																			
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas						140				18.4						776	1430	144	402	47.0	39.5	4.4	26.5
OREAS 101b (4 Acid) Cert						133				20.1						754	1325	127	388	48	40	5.4	27
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas	175	1280										> 200	10.0										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
DNC-1a Meas		64.9	14.1		4.1	16.7	144	37	1.1					0.5	98	3.8			5.5				
DNC-1a Cert		70	15		5	18.0	144	38.0	3					0.96	118	3.6			5.20				
DNC-1a Meas																							
DNC-1a Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas	2.4	24.7	16.4	91.7	84.7	32.5	26.4	179		2.03	0.2	3	1.3		185	42.7	89.9					0.9	
OREAS 904 (4 ACID) Cert	3.30	26.3	16.7	98.0	130	31.5	27.2	171		2.12	0.220	2.83	1.48		194	43.2	86.0					1.00	
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas		40.5	20.7	5.8	42.8	11.0	29.2	65	0.2	0.23	< 0.1	< 1	< 0.1		167	16.8	37.9	4.3	16.2	2.8	2.7	0.4	2.4
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas	5.0	> 10000	27.6	70.2	88.4	12.2	61.9	169	9.2	12.9	1.7	5	26.1		17.3	46.2						0.5	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139		21.6	46.6						0.460	
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas		207	4.5	1510	21.9	6.9	32.2	43	3.2		0.1	2	4.1	1.1	34	13.6	25.7						
Oreas 77b (4 Acid Digest) Cert		205	4.61	2050	19.1	6.55	34.4	37.9	3.26		0.112	1.59	9.100	1.35	118	15.8	27.7						
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
A0935379 Orig																							
A0935379 Dup																							
A0935383 Orig	0.7	57.2	16.2	0.7	45.6	11.2	407	133	5.3	1.10	< 0.1	< 1	0.2	< 0.1	239	30.7	60.0	7.1	25.7	3.9	3.2	0.3	2.2
A0935383 Dup	0.8	53.8	17.0	0.4	49.8	11.3	411	131	5.4	1.05	< 0.1	< 1	0.2	< 0.1	244	31.4	61.5	7.2	26.2	3.8	3.0	0.4	2.2
A0935389 Orig																							
A0935389 Dup																							
A0935393 Orig	0.6	71.7	14.6	0.4	53.0	12.4	321	133	4.4	1.31	< 0.1	1	0.2	< 0.1	551	32.9	65.9	7.6	27.7	4.7	3.5	0.4	2.4
A0935393 Dup	0.6	69.5	14.3	0.6	57.5	12.1	311	68	4.5	1.17	< 0.1	1	0.2	< 0.1	533	32.0	63.9	7.5	26.9	4.3	3.5	0.4	2.4
A0935399 Orig																							
A0935399 Dup																							
A0935404 Orig	0.5	76.5	14.2	16.1	59.9	11.6	292	118	4.7	0.97	< 0.1	< 1	0.4	< 0.1	491	25.9	54.2	6.6	24.9	4.0	3.3	0.4	2.2
A0935404 Dup	0.6	76.5	13.3	15.6	61.5	11.4	288	118	4.9	1.06	< 0.1	< 1	0.4	< 0.1	497	25.8	54.1	6.5	24.7	3.9	3.2	0.4	2.2



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935410 Orig																							
A0935410 Dup																							
A0935417 Orig	0.5	134	20.4	1.4	105	14.1	173	121	6.6	1.29	< 0.1	2	0.5	< 0.1	256	28.1	58.9	7.3	26.4	4.2	3.7	0.4	2.6
A0935417 Dup	0.6	131	20.8	1.4	107	14.3	178	123	6.6	1.28	< 0.1	2	0.5	< 0.1	241	28.7	59.7	7.5	26.8	4.7	3.7	0.4	2.6
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
SDC-1 Meas	29.7		0.5	3.4		< 0.1	< 0.1		0.63	23.0	15	13.4	3.0	0.0852	0.057	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
Oreas 72a (4 Acid Digest) Meas	289															1.64
Oreas 72a (4 Acid Digest) Cert	316															1.74
Oreas 72a (4 Acid Digest) Meas																1.45
Oreas 72a (4 Acid Digest) Cert																1.74
OREAS 101b (4 Acid) Meas	384		2.0	13.4	1.8					21.9		39.1	436	0.356	0.117	
OREAS 101b (4 Acid) Cert	412		2.08	13.9	1.96					23		36.4	387	0.35		
OREAS 101b (4 Acid) Meas														0.351	0.110	
OREAS 101b (4 Acid) Cert														0.35		
OREAS 98 (4 Acid) Meas	> 10000									310						15.9
OREAS 98 (4 Acid) Cert	14800 0.0									345						15.5
DNC-1a Meas	90.6			2.0						6.0	27			0.267		
DNC-1a Cert	100			2.0						6.3	31			0.29		
DNC-1a Meas											30			0.265		
DNC-1a Cert											31			0.29		
OREAS 13b (4-Acid) Meas																1.13
OREAS 13b (4-Acid) Cert																1.2
OREAS 904 (4 ACID) Meas	5970	< 0.1		3.1	0.4	0.8	2.6		0.55	10.5	12	16.3	9.9		0.107	0.06
OREAS 904 (4 ACID) Cert	6120	0.180		3.14	0.470	0.540	2.12		0.520	10.6	11.2	14.3	8.43		0.0980	0.0630
OREAS 904 (4 ACID) Meas											12				0.107	0.06
OREAS 904 (4 ACID) Cert											11.2				0.0980	0.0630
SBC-1 Meas											21			0.494		
SBC-1 Cert											20.0			0.51		
SBC-1 Meas											20			0.492		
SBC-1 Cert											20.0			0.51		
OREAS 45d (4-Acid) Meas	332			1.5	0.2	< 0.1	< 0.1		0.24	20.5	53	16.5	3.1	0.280	0.037	0.04
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 45d (4-Acid) Meas											54			0.185	0.037	0.04
OREAS 45d (4-Acid) Cert											49.30			0.773	0.042	0.049
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Assay) Cert																
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 96 (4 Acid) Meas																4.31
OREAS 96 (4 Acid) Cert																4.19
OREAS 96 (4 Acid) Meas																4.23
OREAS 96 (4 Acid) Cert																4.19
OREAS 923 (4 Acid) Meas											13			0.417	0.067	0.71
OREAS 923 (4 Acid) Cert											13.1			0.405	0.0630	0.691
OREAS 621 (4 Acid) Meas	3510			1.0	0.1		1.3		2.13	> 5000	7	5.8	3.0	0.187	0.039	4.57
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 621 (4 Acid) Meas											6			0.183	0.037	4.47
OREAS 621 (4 Acid) Cert											6.24			0.149	0.0359	4.48
OREAS 522 (4 Acid) Meas											11			0.350	0.088	2.43
OREAS 522 (4 Acid) Cert											10.9			0.344	0.0890	2.50
Oreas 77b (4 Acid Digest) Meas	3150					0.3	2.9	0.020	1.41	55.4	4	6.1	2.0	0.0605		
Oreas 77b (4 Acid Digest) Cert	3430					0.280	3.07	0.0220	1.37	61.0	3.51	6.61	1.71	0.0640		
Oreas 77b (4 Acid Digest) Meas											3			0.0596		
Oreas 77b (4 Acid Digest) Cert											3.51			0.0640		
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
A0935379 Orig																
A0935379 Dup																
A0935383 Orig	50.1	< 0.1	0.2	1.1	0.2	0.4	0.7	< 0.001	0.45	14.8	11	11.0	3.3	0.274	0.053	0.35
A0935383 Dup	52.2	< 0.1	0.2	1.1	0.2	0.4	0.7	< 0.001	0.45	14.4	11	10.8	3.1	0.270	0.052	0.33
A0935389 Orig																
A0935389 Dup																
A0935393 Orig	43.9	< 0.1	0.2	1.3	0.2	< 0.1	1.1	< 0.001	0.55	15.5	12	11.9	3.6	0.298	0.053	0.39
A0935393 Dup	44.1	< 0.1	0.2	1.3	0.2	< 0.1	1.2	< 0.001	0.52	15.0	12	11.3	3.4	0.293	0.048	0.39
A0935399 Orig																
A0935399 Dup																
A0935404 Orig	51.1	0.3	0.2	1.2	0.2	0.3	1.1	< 0.001	0.44	15.1	13	7.7	2.2	0.302	0.064	0.19
A0935404 Dup	50.6	0.3	0.2	1.2	0.2	0.3	1.2	< 0.001	0.44	14.7	13	7.7	2.2	0.305	0.066	0.20



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0935410 Orig																
A0935410 Dup																
A0935417 Orig	95.5	< 0.1	0.2	1.4	0.2	0.5	2.2	< 0.001	0.52	55.9	17	9.3	2.8	0.333	0.059	0.73
A0935417 Dup	97.8	< 0.1	0.2	1.4	0.2	0.5	2.1	< 0.001	0.53	57.5	17	9.8	2.8	0.333	0.060	0.75
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank											< 1			0.0005	< 0.001	< 0.01
Method Blank											< 1			0.0005	< 0.001	< 0.01
Method Blank											< 1			0.0005	< 0.001	< 0.01
Method Blank											< 1			0.0005	< 0.001	< 0.01
Method Blank											< 1			0.0005	< 0.001	< 0.01
Method Blank											< 1			0.0005	< 0.001	< 0.01
Method Blank											< 1			0.0005	< 0.001	< 0.01



Date Submitted: 11-Sep-19  
Invoice No.: A19-12150  
Invoice Date: 04-Oct-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

28 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-09-20 14:20:18

REPORT      **A19-12150**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
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Date Submitted: 11-Sep-19  
Invoice No.: A19-12150  
Invoice Date: 04-Oct-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

28 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-6	QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS)	2019-09-30 15:25:12

REPORT      **A19-12150**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

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Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
0935419	5	20.8	> 3.00	1.51	7.91	0.99	1.50	< 0.1	90	79	477	3.76	3.5	50	47.2	1.2	1.1	0.5	0.18	3.97	16.0	0.84	0.11
0935420	14	28.7	1.57	6.03	4.38	0.88	7.98	< 0.1	127	514	1220	5.55	1.3	50	200	0.7	2.1	0.3	0.47	45.8	39.0	0.81	0.03
0935421	33	27.4	2.97	4.35	6.23	1.33	5.46	0.1	131	231	923	5.57	1.5	50	137	0.9	2.1	0.4	0.70	41.6	33.1	0.86	0.04
0935422	248	20.4	> 3.00	1.56	8.54	1.14	1.73	0.8	118	104	597	4.70	3.2	40	66.6	1.3	1.3	0.5	0.61	3.93	21.2	0.96	0.32
0935423	58	25.3	2.21	1.64	8.87	1.46	1.55	0.1	114	90	645	4.61	3.0	40	63.2	1.3	1.7	0.5	0.24	3.73	21.1	0.88	0.18
0935424	9	24.2	2.22	1.70	8.33	1.48	1.37	< 0.1	120	108	658	4.77	3.2	40	66.7	1.3	1.5	0.5	0.29	3.35	22.0	0.91	0.20
0935425	< 5	25.3	1.89	1.77	8.57	1.20	1.59	< 0.1	115	85	703	4.64	3.4	70	63.7	1.4	1.4	0.5	0.27	3.51	21.4	0.95	0.21
0935426	42	19.0	1.32	1.24	6.35	1.44	1.73	< 0.1	81	71	503	3.29	2.4	60	44.3	1.0	1.0	0.4	0.18	2.27	14.2	0.73	0.19
0935427	221	22.5	2.03	1.46	7.80	1.34	2.23	1.5	94	74	659	3.82	3.5	60	48.7	1.2	1.2	0.5	0.63	3.16	17.3	0.93	0.60
0935428	18	16.2	1.75	1.02	5.99	0.59	1.76	< 0.1	65	56	413	2.70	2.4	50	33.9	0.8	0.8	0.4	0.15	1.99	11.5	0.62	0.15
0935429	< 5	23.9	2.41	1.51	8.15	1.32	1.91	< 0.1	94	78	601	3.97	3.2	40	50.3	1.3	1.3	0.5	0.17	2.99	17.0	0.90	0.18
0935430	6	24.4	2.07	1.49	7.82	1.61	2.15	< 0.1	92	78	699	3.98	3.1	40	50.7	1.3	1.3	0.5	0.17	3.35	17.3	0.85	0.23
0935431	< 5	22.1	2.65	1.15	8.09	1.57	1.41	< 0.1	71	53	526	3.17	3.8	50	37.9	0.9	2.8	0.4	0.29	6.01	12.2	0.76	0.63
0935432	6	9.4	> 3.00	0.17	7.67	1.95	0.69	0.2	13	20	244	1.22	4.9	70	3.7	0.4	3.9	0.2	2.47	1.96	1.6	0.57	3.31
0935433	14	24.8	2.51	1.48	8.14	1.42	2.04	0.1	98	93	667	4.09	3.4	70	54.8	1.2	1.4	0.5	0.22	3.68	18.7	0.85	0.23
0935434	22	20.3	2.35	1.33	7.65	1.02	1.73	< 0.1	89	78	623	3.73	3.3	30	47.4	1.2	1.1	0.5	0.20	2.83	15.5	0.86	0.19
0935435	23	21.5	1.88	1.48	7.63	1.66	2.04	< 0.1	96	96	590	4.06	3.5	30	50.9	1.3	1.1	0.5	0.23	2.95	17.7	0.85	0.24
0935436	101	22.1	1.71	1.45	8.14	1.77	2.22	0.1	104	91	560	4.22	3.6	50	54.9	1.3	1.2	0.5	0.24	2.95	18.0	0.89	0.18
0935437	71	22.4	0.91	1.18	7.40	2.68	2.88	< 0.1	85	90	829	3.69	3.6	40	44.2	1.1	1.2	0.5	0.34	3.54	15.5	0.88	0.23
0935438	14	22.1	1.13	1.25	7.15	1.57	2.64	< 0.1	80	78	773	3.54	3.4	40	41.2	1.1	1.1	0.4	0.34	3.04	14.4	0.80	0.18
0935439	16	18.9	1.53	1.30	7.05	1.39	2.32	< 0.1	87	106	641	3.82	4.0	50	47.0	1.1	1.1	0.4	0.39	2.88	17.3	0.85	0.42
0935440	26	17.6	1.91	1.26	7.54	1.59	2.09	0.1	84	81	543	3.50	3.1	40	44.6	1.1	1.2	0.4	0.24	2.99	14.9	0.83	0.16
0935441	12	18.8	1.72	1.44	7.60	1.97	3.20	0.1	90	79	780	3.90	2.9	60	49.0	1.1	1.1	0.5	0.21	2.81	16.6	0.82	0.17
0935442	17	18.5	2.08	1.40	8.06	1.43	2.28	< 0.1	97	91	642	4.06	3.2	40	53.0	1.2	1.3	0.5	0.22	2.89	17.7	0.87	0.18
0935443	9	20.0	1.95	1.38	7.82	1.47	2.45	< 0.1	91	88	655	4.06	3.1	30	53.5	1.2	1.1	0.5	0.24	3.02	20.0	0.90	0.22
0935444	31	19.3	1.75	1.39	7.79	1.49	3.06	< 0.1	101	102	742	4.34	3.8	40	53.2	1.3	1.1	0.5	0.28	3.07	17.9	0.91	0.26
0935445	10	19.9	2.11	1.36	8.37	1.53	2.43	< 0.1	105	97	594	4.43	3.6	40	57.2	1.3	1.2	0.5	0.22	3.07	20.0	0.90	0.20
0935446	< 5	17.6	2.13	1.45	7.47	1.30	3.12	< 0.1	97	80	799	4.32	3.3	40	51.1	1.3	1.1	0.5	0.20	2.72	18.6	0.87	0.22



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
0935419	< 0.1	69.8	19.7	3.3	48.2	12.5	288	139	5.5	1.73	< 0.1	1	0.3	< 0.1	409	30.3	60.4	6.8	23.3	3.9	3.0	0.4	2.2
0935420	< 0.1	65.3	6.8	2.9	90.9	7.9	> 1000	53	1.1	0.31	< 0.1	< 1	< 0.1	< 0.1	653	17.6	37.7	4.8	17.9	2.9	2.5	0.3	1.5
0935421	0.2	83.3	12.6	1.1	115	9.1	843	64	2.1	0.29	< 0.1	< 1	0.1	< 0.1	476	20.8	45.4	5.6	20.5	3.7	2.8	0.3	1.8
0935422	0.2	261	22.7	1.4	54.9	13.3	305	119	6.0	1.64	< 0.1	1	0.6	< 0.1	360	28.6	59.1	6.8	23.6	4.1	3.3	0.4	2.4
0935423	< 0.1	91.8	22.2	6.6	71.1	13.6	210	121	4.0	1.47	< 0.1	1	0.3	< 0.1	612	27.8	57.4	6.6	22.6	4.3	3.3	0.4	2.4
0935424	< 0.1	88.2	20.8	21.3	73.1	13.4	222	129	4.4	1.54	< 0.1	1	0.3	< 0.1	600	28.3	60.0	6.8	24.0	4.1	3.1	0.4	2.5
0935425	< 0.1	80.4	21.6	13.1	72.1	13.6	223	130	5.8	1.21	< 0.1	1	0.3	< 0.1	602	28.4	59.4	6.8	23.9	4.4	3.2	0.4	2.4
0935426	< 0.1	54.6	15.3	31.7	67.6	10.2	176	93	3.2	1.26	< 0.1	< 1	0.3	< 0.1	457	22.1	45.7	5.2	17.6	3.7	2.4	0.3	1.8
0935427	0.3	464	19.0	15.9	56.5	13.1	259	137	4.5	1.27	< 0.1	1	0.5	< 0.1	580	27.9	58.0	6.5	22.2	4.1	3.1	0.4	2.2
0935428	< 0.1	54.7	14.3	17.9	25.8	9.2	216	97	3.2	1.12	< 0.1	< 1	0.2	< 0.1	425	20.9	42.9	4.7	16.1	3.3	2.1	0.3	1.7
0935429	< 0.1	69.6	19.9	19.7	59.8	12.7	258	127	4.7	1.48	< 0.1	1	0.2	< 0.1	516	27.3	56.9	6.4	22.1	4.2	2.9	0.4	2.3
0935430	< 0.1	61.7	19.2	10.9	73.3	12.4	238	121	4.7	1.75	< 0.1	1	0.2	< 0.1	599	26.6	54.7	6.2	22.0	4.0	2.9	0.4	2.3
0935431	< 0.1	65.2	22.6	8.6	81.3	10.0	241	142	7.1	2.44	< 0.1	< 1	0.3	< 0.1	559	28.6	59.8	6.5	21.5	3.8	2.6	0.3	1.8
0935432	< 0.1	58.1	24.9	1.5	97.4	5.5	272	176	12.5	1.40	< 0.1	< 1	0.3	1.2	450	32.2	67.7	6.9	21.6	3.3	1.9	0.2	0.9
0935433	0.1	79.3	20.3	14.4	72.2	13.0	251	131	5.1	1.75	< 0.1	1	0.3	< 0.1	538	25.9	56.4	6.1	21.1	4.3	3.1	0.4	2.4
0935434	< 0.1	64.9	18.9	10.5	48.2	12.6	251	129	5.0	1.42	< 0.1	1	0.3	< 0.1	555	28.3	57.5	6.5	22.3	3.8	3.0	0.4	2.2
0935435	< 0.1	76.7	19.4	7.8	72.2	12.5	230	135	5.5	1.51	< 0.1	1	0.3	< 0.1	555	29.9	61.2	6.9	23.0	4.3	3.1	0.4	2.2
0935436	< 0.1	89.9	19.6	4.1	74.0	13.2	225	135	5.8	1.29	< 0.1	1	0.3	< 0.1	556	27.7	57.8	6.4	22.3	4.1	3.1	0.4	2.3
0935437	< 0.1	64.0	19.2	0.1	104	11.5	196	139	5.0	1.57	< 0.1	1	0.2	< 0.1	387	30.2	61.1	6.8	22.8	4.0	3.1	0.4	2.1
0935438	< 0.1	59.9	18.4	2.4	69.3	11.3	202	134	4.6	1.54	< 0.1	< 1	0.4	< 0.1	456	27.9	56.9	6.3	21.2	3.9	2.8	0.3	2.0
0935439	< 0.1	66.1	18.6	< 0.1	69.2	11.7	208	158	4.9	1.44	< 0.1	1	0.2	< 0.1	392	30.2	62.1	6.7	23.1	3.7	2.9	0.4	2.1
0935440	< 0.1	57.7	18.5	0.8	66.8	10.5	243	121	4.4	1.33	< 0.1	< 1	0.3	< 0.1	523	25.8	54.1	5.9	20.1	3.5	2.7	0.3	1.8
0935441	< 0.1	59.8	18.3	5.3	80.0	11.4	280	110	4.4	1.11	< 0.1	1	0.2	< 0.1	525	24.3	50.3	5.7	19.7	3.7	2.7	0.4	2.2
0935442	< 0.1	63.4	20.5	16.5	63.6	11.9	296	120	5.2	1.33	< 0.1	1	0.2	< 0.1	524	26.6	54.7	6.2	21.5	3.6	2.9	0.4	2.2
0935443	< 0.1	57.5	18.5	329	65.5	11.9	259	117	5.1	1.23	< 0.1	1	0.3	< 0.1	523	27.6	56.0	6.2	21.9	4.1	2.9	0.4	2.3
0935444	0.1	55.0	19.3	91.5	63.8	12.6	279	147	5.3	1.59	< 0.1	1	0.3	< 0.1	558	31.5	63.4	7.2	24.0	4.8	3.2	0.4	2.4
0935445	< 0.1	60.0	20.3	181	65.0	12.6	289	135	5.5	1.26	< 0.1	1	0.3	< 0.1	572	28.6	58.3	6.6	22.9	4.4	3.1	0.4	2.3
0935446	< 0.1	61.6	17.6	105	57.9	12.1	299	124	4.8	1.27	< 0.1	1	0.2	< 0.1	506	25.9	53.5	6.1	20.7	4.1	3.0	0.4	2.1

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
0935419	36.7	< 0.1	0.2	1.2	0.2	0.4	1.2	< 0.001	0.36	14.6	12	9.9	3.1	0.303	0.059	0.21
0935420	102	0.4	0.1	0.8	0.1	< 0.1	0.2	< 0.001	1.57	8.7	21	1.8	0.3	0.250	0.057	0.05
0935421	149	< 0.1	0.1	0.9	0.1	< 0.1	0.2	< 0.001	1.52	14.8	13	3.3	0.8	0.294	0.072	0.21
0935422	70.0	< 0.1	0.2	1.3	0.2	0.6	1.2	< 0.001	0.35	170	18	9.1	2.4	0.344	0.061	0.62
0935423	49.5	< 0.1	0.2	1.4	0.2	0.4	1.2	< 0.001	0.49	19.0	16	8.4	2.3	0.314	0.054	0.35
0935424	55.9	< 0.1	0.2	1.3	0.2	0.4	1.5	< 0.001	0.45	22.2	17	8.2	2.2	0.331	0.054	0.39
0935425	47.0	< 0.1	0.2	1.4	0.2	0.5	1.6	< 0.001	0.52	21.6	16	8.2	2.3	0.341	0.061	0.28
0935426	37.9	< 0.1	0.1	1.0	0.1	0.3	1.3	< 0.001	0.36	14.6	12	6.8	1.8	0.241	0.041	0.21
0935427	55.2	0.1	0.2	1.3	0.2	0.3	1.5	< 0.001	0.49	181	13	8.8	2.6	0.303	0.057	0.24
0935428	28.5	0.3	0.1	0.9	0.1	0.2	0.9	< 0.001	0.32	17.0	9	6.1	1.8	0.218	0.041	0.11
0935429	40.5	0.2	0.2	1.2	0.2	0.3	0.9	< 0.001	0.45	16.4	13	8.2	2.4	0.298	0.058	0.15
0935430	42.0	0.2	0.2	1.2	0.2	0.3	1.1	< 0.001	0.52	14.9	13	7.8	2.1	0.293	0.055	0.20
0935431	26.9	0.2	0.1	0.9	0.1	0.4	0.9	< 0.001	0.93	30.1	10	10.6	4.7	0.234	0.043	0.13
0935432	4.5	< 0.1	< 0.1	0.5	< 0.1	0.7	0.6	< 0.001	1.00	78.5	1	14.2	8.4	0.0958	0.016	0.08
0935433	47.2	< 0.1	0.2	1.3	0.2	0.3	1.2	< 0.001	0.56	21.5	14	8.0	2.4	0.315	0.062	0.21
0935434	39.0	0.3	0.2	1.2	0.2	0.4	1.4	< 0.001	0.46	16.9	12	9.1	2.8	0.290	0.055	0.18
0935435	43.5	0.1	0.2	1.3	0.2	0.5	1.5	< 0.001	0.48	18.2	13	10.0	2.9	0.314	0.058	0.27
0935436	46.0	< 0.1	0.2	1.4	0.2	0.5	1.5	< 0.001	0.51	17.8	15	8.4	2.5	0.347	0.069	0.32
0935437	44.1	< 0.1	0.2	1.2	0.1	0.5	2.4	< 0.001	0.58	21.4	11	10.6	3.0	0.276	0.050	0.65
0935438	35.4	< 0.1	0.2	1.1	0.1	0.4	2.1	< 0.001	0.55	21.7	10	9.2	2.7	0.260	0.046	0.55
0935439	48.8	< 0.1	0.2	1.2	0.1	0.5	1.6	< 0.001	0.55	25.4	11	10.5	3.5	0.284	0.051	0.62
0935440	44.5	0.2	0.1	1.1	0.2	0.3	1.3	< 0.001	0.53	14.3	12	8.0	2.3	0.279	0.051	0.34
0935441	44.9	0.2	0.2	1.2	0.2	0.4	1.2	< 0.001	0.54	14.8	13	7.3	2.0	0.284	0.052	0.25
0935442	42.0	0.3	0.2	1.2	0.2	0.5	1.4	< 0.001	0.52	14.6	14	8.3	2.4	0.306	0.055	0.26
0935443	44.1	0.1	0.2	1.2	0.2	0.5	1.3	< 0.001	0.51	14.1	14	8.1	2.2	0.295	0.054	0.37
0935444	77.0	0.2	0.2	1.3	0.2	0.5	1.3	< 0.001	0.54	15.9	14	11.1	3.5	0.310	0.055	0.36
0935445	52.4	0.3	0.2	1.3	0.2	0.4	1.0	< 0.001	0.52	13.5	15	9.0	2.7	0.332	0.066	0.28
0935446	44.1	0.3	0.2	1.2	0.2	0.4	1.0	< 0.001	0.46	14.8	13	8.0	2.8	0.308	0.062	0.23



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		36.6	1.68	1.09	8.65	1.74	1.05		31	51	862	4.88	0.9	180	35.4	3.5	2.9	1.2		3.94	18.5	1.57	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
Oreas 72a (4 Acid Digest) Meas										240		9.01			> 5000						155		
Oreas 72a (4 Acid Digest) Cert										228		9.63			6930.000						157		
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas				1.26		1.31			71		910	10.6			8.6	14.3		4.9			46.1	7.57	
OREAS 101b (4 Acid) Cert				1.23		2.36			77		927	10.7			8.2	15		5.2			45	8.1	
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																			42.7		120		88.4
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
DNC-1a Meas		4.2	1.40				8.24		147	125		6.92			263						56.3	0.50	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.8	1.48				8.24		144	156		6.91			263						58.5	0.56	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
OREAS 13b (4-Acid) Meas										> 5000					2350				0.89		75.0		
OREAS 13b (4-Acid) Cert										8650.000					2247.000				0.86		75		
OREAS 904 (4 ACID) Meas		16.2	0.04	0.60	6.58	2.33	0.04		73	58	408	6.58	5.2		40.8		8.4		0.59	3.58	84.2		4.14
OREAS 904 (4 ACID) Cert		16.7	0.0340	0.556	6.30	3.31	0.0460		76.0	54.0	410	6.68	5.00		40.1		7.86		0.551	3.79	83.0		4.05
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		148							0.3	250	97			3.4	84.0	3.4	3.1	1.4		7.94	22.1	1.73	0.67
SBC-1 Cert		163							0.40	220.0	109			3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas		21.7	0.09	0.21	8.47	0.42	0.18		139	551	480	14.5	2.2		233	1.4	0.7	0.5		3.56	29.3	0.59	0.32
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas		22.2	0.10	0.24	8.40	0.48	0.18		94	509	454	13.8	1.8		221	1.3	0.9	0.5		3.61	28.9	0.62	0.32
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 220 (Fire Assay) Meas	875																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 96 (4 Acid) Meas																			11.0		50.0		26.7
OREAS 96 (4																			11.5		49.9		26.3

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Acid) Cert																							
OREAS 96 (4 Acid) Meas																			10.8		49.8		26.4
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 923 (4 Acid) Meas		28.3	0.33	1.77	7.70	1.37	0.48	0.3	91	76	955	6.52	3.7		36.2	2.5	2.4	1.0	1.58	6.10	22.9	1.17	19.0
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 621 (4 Acid) Meas		13.5	1.25	0.50	6.57	1.63	1.93	230	33	28	508	3.66	4.5		27.1		1.7		60.6	3.04	26.3		3.97
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas		13.8	1.36	0.54	6.59	2.55	1.90	277	32	54	568	3.80	4.6		29.1		1.9		60.5	3.27	29.5		4.04
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas		19.5	0.42	2.70	1.91	0.41	2.70	1.2	29	303	676	28.6	1.2		> 5000		0.5		1.51	2.18	> 500		3.37
Oreas 77b (4 Acid Digest) Cert		18.8	0.434	2.59	1.94	0.361	3.06	1.20	33.6	280	640	29.9	1.15		113000		0.470		1.62	2.32	1550		3.44
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 238 (Fire Assay) Meas	2900																						
OREAS 238 (Fire Assay) Cert	3030																						
0935428 Orig	19																						
0935428 Dup	16																						
0935429 Orig		23.1	2.35	1.47	7.95	1.30	1.84	< 0.1	89	75	584	3.88	3.2	40	49.6	1.3	1.2	0.5	0.16	2.99	16.5	0.87	0.17
0935429 Dup		24.8	2.48	1.55	8.35	1.35	1.98	< 0.1	99	80	618	4.07	3.3	40	51.0	1.3	1.3	0.5	0.18	3.00	17.5	0.92	0.19
0935431 Orig		22.2	2.65	1.15	8.08	1.46	1.40	< 0.1	71	51	523	3.16	3.7	50	38.4	0.9	2.8	0.4	0.29	5.98	11.8	0.75	0.64
0935431 Dup		21.9	2.65	1.16	8.09	1.68	1.42	< 0.1	71	55	529	3.18	3.8	50	37.5	0.9	2.9	0.4	0.29	6.05	12.7	0.77	0.61
0935438 Orig	20																						
0935438 Dup	7																						
0935446 Orig	5																						
0935446 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	2	3	< 0.01	< 0.1	70	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	2	2	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		99.8	18.4	< 0.1	76.1		174	30	0.1			< 1	< 0.1		617	41.9	99.4		46.8	7.9	7.9	1.0	6.4
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
Oreas 72a (4 Acid Digest) Meas				5.0																			
Oreas 72a (4 Acid Digest) Cert				14.7																			
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas						140				18.4						776	1430	144	402	47.0	39.5	4.4	26.5
OREAS 101b (4 Acid) Cert						133				20.1						754	1325	127	388	48	40	5.4	27
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas	175	1280										> 200	10.0										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
DNC-1a Meas		62.2	17.0		3.3	16.0	147	39	1.4				0.9		97	3.3			4.6				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		64.9	14.1		4.1	16.7	144	37	1.1				0.5		98	3.8			5.5				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
OREAS 13b (4-Acid) Meas		113		52.5						9.11													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 904 (4 ACID) Meas	2.4	24.7	16.4	91.7	84.7	32.5	26.4	179		2.03	0.2	3	1.3		185	42.7	89.9					0.9	
OREAS 904 (4 ACID) Cert	3.30	26.3	16.7	98.0	130	31.5	27.2	171		2.12	0.220	2.83	1.48		194	43.2	86.0					1.00	
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		192	30.7	24.5	144	31.1	171	119	13.9	2.32		3	1.0		450	48.2	122	13.0	47.7	9.2	7.6	1.1	6.4
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas		39.0	25.3	7.1	46.9	11.3	29.6	85	0.5	0.49	< 0.1	< 1	< 0.1		171	16.1	37.1	4.0	13.9	2.9	2.5	0.4	2.3
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas		40.5	20.7	5.8	42.8	11.0	29.2	65	0.2	0.23	< 0.1	< 1	< 0.1		167	16.8	37.9	4.3	16.2	2.8	2.7	0.4	2.4
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	41.5	459										65	3.9										
OREAS 96 (4	40.7	457										65.6	5.09										



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Acid) Cert																							
OREAS 96 (4 Acid) Meas	40.9	456										63	3.6										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 923 (4 Acid) Meas	5.4	340	22.2	5.9	102	26.6	41.8	130	12.8	1.01	0.5	13	1.3		357	39.8	80.8	9.7	34.0	6.8	5.4	0.8	4.6
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 621 (4 Acid) Meas	4.2	> 10000	29.2	63.1	80.6	12.4	60.5	171	8.6	12.6	1.5	5	20.0			18.7	46.8					0.4	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 621 (4 Acid) Meas	5.0	> 10000	27.6	70.2	88.4	12.2	61.9	169	9.2	12.9	1.7	5	26.1			17.3	46.2					0.5	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas		207	4.5	1510	21.9	6.9	32.2	43	3.2		0.1	2	4.1	1.1	34	13.6	25.7						
Oreas 77b (4 Acid Digest) Cert		205	4.61	2050	19.1	6.55	34.4	37.9	3.26		0.112	1.59	9.100	1.35	118	15.8	27.7						
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
0935428 Orig																							
0935428 Dup																							
0935429 Orig	< 0.1	68.7	19.2	19.3	60.4	12.6	256	124	4.1	1.29	< 0.1	1	0.2	< 0.1	513	26.9	56.4	6.3	21.8	4.1	2.9	0.4	2.3
0935429 Dup	< 0.1	70.4	20.5	20.0	59.2	12.9	260	130	5.3	1.67	< 0.1	1	0.3	< 0.1	519	27.8	57.5	6.5	22.4	4.4	3.0	0.4	2.3
0935431 Orig	< 0.1	65.5	23.1	7.8	77.0	10.0	239	142	7.2	2.33	< 0.1	1	0.3	< 0.1	553	28.4	59.2	6.4	21.2	4.1	2.6	0.3	1.7
0935431 Dup	< 0.1	65.0	22.2	9.4	85.5	10.0	244	142	6.9	2.55	< 0.1	< 1	0.3	< 0.1	564	28.8	60.4	6.5	21.9	3.4	2.6	0.3	1.8
0935438 Orig																							
0935438 Dup																							
0935446 Orig																							
0935446 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.1	< 0.2	0.2	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank	< 0.1	< 0.2	0.2	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
SDC-1 Meas	29.7		0.5	3.4		< 0.1	< 0.1		0.63	23.0	15	13.4	3.0	0.0852	0.057	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
Oreas 72a (4 Acid Digest) Meas	289															1.64
Oreas 72a (4 Acid Digest) Cert	316															1.74
Oreas 72a (4 Acid Digest) Meas																1.45
Oreas 72a (4 Acid Digest) Cert																1.74
OREAS 101b (4 Acid) Meas	384		2.0	13.4	1.8					21.9		39.1	436	0.356	0.117	
OREAS 101b (4 Acid) Cert	412		2.08	13.9	1.96					23		36.4	387	0.35		
OREAS 101b (4 Acid) Meas														0.351	0.110	
OREAS 101b (4 Acid) Cert														0.35		
OREAS 98 (4 Acid) Meas	> 10000									310						15.9
OREAS 98 (4 Acid) Cert	14800 0.0									345						15.5
DNC-1a Meas	95.9			1.9						6.1	27			0.267		
DNC-1a Cert	100			2.0						6.3	31			0.29		
DNC-1a Meas	90.6			2.0						6.0	30			0.265		
DNC-1a Cert	100			2.0						6.3	31			0.29		
OREAS 13b (4-Acid) Meas	2280															1.13
OREAS 13b (4-Acid) Cert	2327.0 000															1.2
OREAS 904 (4 ACID) Meas	5970	< 0.1		3.1	0.4	0.8	2.6		0.55	10.5	12	16.3	9.9		0.107	0.06
OREAS 904 (4 ACID) Cert	6120	0.180		3.14	0.470	0.540	2.12		0.520	10.6	11.2	14.3	8.43		0.0980	0.0630
OREAS 904 (4 ACID) Meas											12				0.107	0.06
OREAS 904 (4 ACID) Cert											11.2				0.0980	0.0630
SBC-1 Meas	29.6		0.5	3.4	0.4	1.0	2.0		0.91	34.2	21	15.2	5.5	0.494		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SBC-1 Meas											20			0.492		
SBC-1 Cert											20.0			0.51		
OREAS 45d (4-Acid) Meas	340			1.5	0.2	< 0.1	0.1		0.26	20.6	53	14.7	2.7	0.280	0.037	0.04
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 45d (4-Acid) Meas	332			1.5	0.2	< 0.1	< 0.1		0.24	20.5	54	16.5	3.1	0.185	0.037	0.04
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 96 (4 Acid) Meas	> 10000									91.5						4.31
OREAS 96 (4 Acid) Cert	39300									101						4.19



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Acid) Cert																
OREAS 96 (4 Acid) Meas	> 10000									91.2						4.23
OREAS 96 (4 Acid) Cert	39300									101						4.19
OREAS 923 (4 Acid) Meas	4410		0.4	2.6	0.3	1.0	5.7		0.90	82.1	13	16.0	3.0	0.417	0.067	0.71
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 621 (4 Acid) Meas	3460			1.0	0.1		2.0		2.07	> 5000	7	5.5	2.7	0.187	0.039	4.57
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 621 (4 Acid) Meas	3510			1.0	0.1		1.3		2.13	> 5000	6	5.8	3.0	0.183	0.037	4.47
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 522 (4 Acid) Meas											11			0.350	0.088	2.43
OREAS 522 (4 Acid) Cert											10.9			0.344	0.0890	2.50
Oreas 77b (4 Acid Digest) Meas	3150						0.3	2.9	0.020	1.41	55.4	4	6.1	2.0	0.0605	
Oreas 77b (4 Acid Digest) Cert	3430						0.280	3.07	0.0220	1.37	61.0	3.51	6.61	1.71	0.0640	
Oreas 77b (4 Acid Digest) Meas												3			0.0596	
Oreas 77b (4 Acid Digest) Cert												3.51			0.0640	
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
0935428 Orig																
0935428 Dup																
0935429 Orig	40.4	0.2	0.2	1.3	0.2	0.2	0.7	< 0.001	0.44	15.2	13	7.9	2.2	0.295	0.058	0.16
0935429 Dup	40.5	0.3	0.2	1.2	0.2	0.4	1.0	< 0.001	0.46	17.5	13	8.5	2.5	0.300	0.058	0.15
0935431 Orig	27.4	0.2	0.1	0.9	0.1	0.4	0.9	< 0.001	0.93	30.4	10	10.7	4.6	0.234	0.042	0.13
0935431 Dup	26.3	0.1	0.1	1.0	0.1	0.4	0.9	< 0.001	0.93	29.8	9	10.5	4.7	0.233	0.043	0.13
0935438 Orig																
0935438 Dup																
0935446 Orig																
0935446 Dup																
Method Blank																
Method Blank																
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Method Blank											<1			<0.0005	<0.001	<0.01



Date Submitted: 23-Sep-19  
Invoice No.: A19-12877  
Invoice Date: 09-Oct-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

23 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-09-30 21:47:11

REPORT **A19-12877**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 23-Sep-19  
 Invoice No.: A19-12877  
 Invoice Date: 09-Oct-19  
 Your Reference:

Tashota Resources Inc  
 82 Richmond St East  
 Toronto On m5c1p1  
 Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

23 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-6	QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS)	2019-10-04 08:17:46

REPORT      **A19-12877**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

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 E-MAIL [Ancaster@actlabs.com](mailto:Ancaster@actlabs.com) ACTLABS GROUP WEBSITE [www.actlabs.com](http://www.actlabs.com)



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0882015	10	30.0	1.37	1.91	9.27	2.77	1.36	0.2	126	97	568	5.13	3.4	30	73.0	1.4	1.5	0.6	0.35	2.87	21.9	0.97	0.33
A0882016	16	21.5	2.01	1.36	7.38	1.79	2.44	< 0.1	82	90	595	4.01	4.0	30	47.1	1.3	1.1	0.5	0.23	2.25	15.6	0.96	0.16
A0882017	38	22.2	2.12	1.43	8.10	1.85	1.77	0.1	86	74	529	3.78	3.5	20	48.3	1.1	1.0	0.5	0.29	2.50	15.0	0.83	0.35
A0882018	27	23.7	2.18	1.52	7.94	2.17	1.97	< 0.1	96	95	567	4.33	4.5	30	52.0	1.3	1.2	0.5	0.44	2.88	17.4	0.90	0.24
A0882019	247	23.7	1.74	1.45	8.57	2.28	2.36	0.2	106	75	652	4.31	3.4	20	61.6	1.4	1.5	0.5	0.33	2.96	17.8	0.94	0.34
A0882020	380	23.0	1.90	1.55	7.19	1.73	3.52	0.7	96	112	818	4.47	3.3	30	55.9	1.2	1.2	0.5	0.67	2.47	17.7	0.83	0.60
A0882021	108	29.2	1.86	1.75	9.22	2.57	1.02	< 0.1	140	107	570	5.13	3.4	20	80.7	1.4	1.5	0.5	0.25	3.05	23.5	1.04	0.22
A0882022	71	25.5	1.86	1.53	8.51	2.24	2.39	0.3	112	99	792	4.83	3.4	30	68.9	1.4	1.3	0.5	0.38	3.43	22.1	1.01	0.52
A0882023	52	33.7	0.99	2.12	9.67	3.27	1.73	0.1	153	102	726	5.74	3.5	20	88.6	1.4	1.5	0.5	0.30	4.38	26.9	1.07	0.29
A0882024	13	26.9	1.60	1.77	9.21	2.79	1.86	< 0.1	79	77	624	4.83	2.8	40	61.1	1.3	1.3	0.5	0.21	3.41	20.1	0.99	0.23
A0882025	9	26.2	1.90	1.69	9.23	2.21	1.68	< 0.1	82	83	573	4.77	3.0	30	66.3	1.3	1.4	0.5	0.16	3.45	21.0	1.00	0.26
A0882026	32	24.6	2.17	1.53	8.70	2.39	2.41	< 0.1	89	81	639	4.27	3.2	30	54.2	1.3	1.2	0.5	0.21	3.39	17.4	0.92	0.26
A0882027	45	23.7	2.25	1.50	8.18	2.03	2.15	0.1	77	82	600	3.97	3.3	30	47.7	1.2	1.2	0.4	0.14	2.78	16.0	0.92	0.18
A0882028	11	26.4	2.57	1.62	8.89	1.82	2.02	0.2	97	106	599	4.24	3.6	40	54.1	1.2	1.3	0.4	0.17	3.40	17.9	0.96	0.23
A0882029	10	27.0	2.32	1.59	8.43	1.90	2.30	0.1	100	107	617	4.37	3.5	40	54.5	1.3	1.5	0.5	0.18	4.32	18.1	1.00	0.28
A0882030	< 5	29.0	2.32	1.51	8.59	1.90	2.07	< 0.1	95	94	622	4.15	3.5	30	51.9	1.2	1.8	0.5	0.18	6.41	17.5	0.91	0.39
A0882031	6	8.1	> 3.00	0.12	7.31	1.77	0.62	< 0.1	10	16	251	1.15	5.7	40	0.7	0.4	4.4	0.2	0.56	1.72	1.1	0.64	1.44
A0882032	< 5	32.1	1.72	1.62	8.40	1.52	1.97	0.1	116	130	601	4.96	3.8	30	67.7	1.4	1.7	0.5	0.27	5.39	22.8	0.94	0.35
A0882033	32	24.8	2.30	1.33	7.30	1.59	2.28	< 0.1	93	112	609	3.96	3.4	30	51.0	1.1	1.3	0.4	0.21	3.72	17.5	0.83	0.25
A0882034	< 5	18.9	> 3.00	1.49	7.19	1.17	3.01	0.1	99	141	679	4.04	4.1	30	61.1	1.2	1.0	0.5	0.37	7.28	19.8	0.89	0.25
A0882035	6	54.1	1.13	5.18	4.96	1.18	9.17	0.1	149	478	1300	5.81	1.4	50	155	1.3	2.2	0.5	0.52	37.5	34.2	1.03	0.20
A0882036	< 5	24.1	> 3.00	1.43	7.82	0.91	2.42	< 0.1	89	123	557	3.91	4.2	50	50.1	1.2	1.2	0.5	0.29	10.2	15.3	1.03	0.27
A0882037	< 5	25.1	> 3.00	1.52	7.93	1.44	1.97	< 0.1	89	105	487	3.91	4.3	40	47.4	1.2	1.2	0.5	0.18	2.91	16.3	0.92	0.18

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0882015	0.3	135	21.9	3.0	91.5	13.9	182	126	7.8	1.61	< 0.1	2	0.5	< 0.1	589	27.1	60.6	6.2	24.7	3.6	3.6	0.4	2.7
A0882016	0.3	72.5	16.7	< 0.1	63.0	12.3	258	151	6.1	1.40	< 0.1	1	0.4	< 0.1	475	30.4	63.8	6.3	23.6	3.8	3.2	0.4	2.4
A0882017	0.3	83.4	17.1	0.5	68.9	11.5	252	135	6.2	1.39	< 0.1	1	0.4	< 0.1	546	28.5	61.4	5.9	22.8	3.7	3.0	0.4	2.0
A0882018	0.4	66.1	17.4	< 0.1	76.9	13.1	244	169	6.9	1.45	< 0.1	1	0.3	< 0.1	641	35.7	75.2	7.2	26.3	4.2	3.5	0.4	2.5
A0882019	0.4	100	17.8	0.6	81.3	13.6	248	129	5.9	1.53	< 0.1	1	0.5	< 0.1	722	27.9	60.4	6.3	24.1	4.1	3.3	0.5	2.5
A0882020	0.3	230	15.8	2.0	63.9	12.1	281	125	5.9	1.40	< 0.1	1	0.5	< 0.1	495	23.7	52.8	5.1	19.4	3.5	3.0	0.4	2.3
A0882021	0.5	102	22.5	5.0	89.1	13.3	189	132	5.4	1.46	< 0.1	1	0.5	< 0.1	735	30.2	65.0	6.6	25.7	4.6	3.7	0.5	2.5
A0882022	0.3	97.9	17.4	7.5	87.5	12.9	249	128	6.8	1.85	< 0.1	1	0.4	< 0.1	623	26.0	58.4	5.8	22.4	4.1	3.4	0.4	2.4
A0882023	0.5	112	20.9	13.7	118	13.8	184	141	7.8	1.50	< 0.1	2	0.5	< 0.1	756	29.6	65.1	6.8	26.5	4.8	3.8	0.5	2.7
A0882024	0.3	78.2	18.1	22.7	95.4	11.9	192	98	0.6	0.59	< 0.1	1	0.2	< 0.1	636	28.4	59.9	6.2	23.8	4.1	3.4	0.4	2.4
A0882025	0.3	83.7	20.1	27.9	87.3	13.2	218	107	0.5	0.55	< 0.1	1	0.2	< 0.1	617	30.5	64.6	6.6	25.3	4.4	3.5	0.4	2.4
A0882026	0.2	76.2	17.3	16.3	78.8	11.7	269	121	3.6	1.18	< 0.1	1	0.2	< 0.1	611	27.1	58.9	5.9	22.3	4.0	3.2	0.4	2.3
A0882027	0.2	72.9	17.2	12.1	69.8	11.8	233	129	2.6	1.12	< 0.1	1	0.2	< 0.1	554	28.1	59.0	5.9	22.7	3.8	3.1	0.4	2.3
A0882028	0.2	84.7	17.4	15.5	68.7	11.7	248	139	6.2	1.37	< 0.1	1	0.3	< 0.1	575	28.1	60.5	6.0	23.3	4.3	3.3	0.4	2.2
A0882029	0.3	69.4	18.0	17.5	75.4	12.3	251	134	6.0	1.59	< 0.1	1	0.2	< 0.1	644	29.1	62.3	6.4	24.3	4.4	3.3	0.4	2.4
A0882030	0.3	73.9	16.7	0.7	84.9	11.9	253	131	5.7	2.23	< 0.1	1	0.2	< 0.1	687	26.9	58.5	5.8	22.1	4.2	3.2	0.4	2.2
A0882031	0.3	49.9	24.1	1.6	109	5.8	299	205	17.1	0.72	< 0.1	< 1	0.3	0.2	491	31.7	74.2	6.2	21.1	3.2	2.1	0.2	0.9
A0882032	0.5	89.0	20.4	1.5	77.8	13.0	202	149	7.7	2.07	< 0.1	1	0.2	< 0.1	696	27.6	64.9	6.2	23.9	4.3	3.5	0.4	2.4
A0882033	0.3	60.3	17.8	1.2	65.6	11.0	232	133	6.6	1.58	< 0.1	1	0.2	< 0.1	578	21.3	54.1	4.9	19.0	3.1	2.9	0.4	1.9
A0882034	0.4	68.7	18.0	4.6	56.2	10.2	396	158	7.0	2.38	< 0.1	1	0.3	< 0.1	328	27.4	60.0	5.9	22.1	3.4	3.1	0.4	2.1
A0882035	0.1	75.2	8.6	4.5	127	11.3	911	51	10.4	0.38	< 0.1	< 1	0.1	< 0.1	380	20.5	45.1	5.0	21.5	4.0	3.4	0.4	2.3
A0882036	0.3	71.0	20.0	0.4	50.8	11.1	462	160	7.6	2.94	< 0.1	1	0.3	< 0.1	223	32.6	71.9	6.8	25.6	4.4	3.5	0.4	2.2
A0882037	0.3	71.1	16.3	1.0	58.4	11.5	308	163	6.1	1.48	< 0.1	1	0.2	< 0.1	530	32.0	67.3	6.7	24.8	4.4	3.4	0.4	2.2



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0882015	51.4	< 0.1	0.2	1.5	0.2	0.6	2.1	0.001	0.65	39.5	16	8.7	2.4	0.333	0.059	0.49
A0882016	46.7	< 0.1	0.2	1.3	0.2	0.5	1.3	< 0.001	0.45	20.0	11	10.2	2.9	0.265	0.047	0.27
A0882017	38.5	< 0.1	0.2	1.2	0.2	0.4	1.4	< 0.001	0.48	27.6	11	8.7	2.6	0.275	0.049	0.28
A0882018	44.3	0.1	0.2	1.3	0.2	0.5	1.5	< 0.001	0.52	21.5	11	12.6	3.9	0.289	0.050	0.29
A0882019	49.9	0.1	0.2	1.4	0.2	0.4	1.7	0.001	0.59	34.2	14	8.6	2.6	0.289	0.049	0.32
A0882020	43.5	< 0.1	0.2	1.3	0.2	0.4	1.2	< 0.001	0.46	91.7	12	6.9	2.4	0.277	0.047	0.26
A0882021	82.2	0.1	0.2	1.4	0.2	0.3	1.4	0.001	0.62	18.3	17	9.1	2.8	0.330	0.050	0.33
A0882022	61.3	0.1	0.2	1.4	0.2	0.5	1.5	0.001	0.62	39.2	16	7.4	2.3	0.310	0.055	0.40
A0882023	70.0	0.2	0.2	1.5	0.3	0.5	2.3	0.001	0.83	25.5	19	9.1	2.5	0.357	0.055	0.39
A0882024	49.4	0.2	0.2	1.2	0.2	< 0.1	0.1	0.001	0.65	20.3	15	8.3	2.4	0.206	0.053	0.24
A0882025	46.7	0.3	0.2	1.4	0.2	< 0.1	< 0.1	< 0.001	0.61	18.1	16	8.6	2.5	0.196	0.052	0.16
A0882026	39.2	0.3	0.2	1.2	0.2	0.1	0.5	0.001	0.56	21.1	13	7.7	2.4	0.263	0.052	0.16
A0882027	36.9	0.3	0.2	1.2	0.2	0.1	0.4	< 0.001	0.47	18.4	11	9.2	2.7	0.233	0.050	0.16
A0882028	41.3	< 0.1	0.2	1.2	0.2	0.4	1.3	0.001	0.53	20.4	13	8.8	2.6	0.297	0.055	0.17
A0882029	42.9	< 0.1	0.2	1.3	0.2	0.4	1.4	0.001	0.61	16.7	13	8.8	2.4	0.303	0.055	0.16
A0882030	43.6	< 0.1	0.2	1.3	0.2	0.3	1.3	< 0.001	0.79	16.1	12	8.4	2.6	0.302	0.057	0.20
A0882031	2.4	< 0.1	< 0.1	0.5	< 0.1	0.7	0.4	< 0.001	1.21	54.9	< 1	15.3	9.9	0.0851	0.014	0.05
A0882032	58.2	< 0.1	0.2	1.4	0.2	0.6	2.0	< 0.001	0.75	16.1	15	8.7	2.7	0.334	0.056	0.49
A0882033	41.8	< 0.1	0.2	1.2	0.2	0.5	1.5	< 0.001	0.57	15.6	12	6.5	2.2	0.299	0.054	0.32
A0882034	53.3	< 0.1	0.2	1.2	0.2	0.6	1.1	0.001	0.50	28.7	10	8.0	3.4	0.300	0.054	0.56
A0882035	98.1	0.3	0.2	1.2	0.2	0.5	0.3	< 0.001	1.84	18.7	19	1.2	0.2	0.334	0.075	0.02
A0882036	46.4	< 0.1	0.2	1.3	0.2	0.6	0.8	0.002	0.56	20.1	10	9.5	3.2	0.271	0.055	0.29
A0882037	38.7	< 0.1	0.2	1.3	0.2	0.4	1.1	< 0.001	0.53	18.2	11	11.0	3.6	0.282	0.048	0.24



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		36.2	1.59	1.07	9.18	2.06	1.07		42	51	899	5.20	0.8	60	38.2	3.5	3.0	1.4		3.77	18.8	1.58	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																			45.4		113		84.4
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
DNC-1a Meas		5.0	1.47				7.86		152	158		7.10			275						54.9	0.56	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.6	1.39				8.11		152	137		7.29			281						57.1	0.52	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
OREAS 13b (4-Acid) Meas										> 5000					2200				0.82		71.8		
OREAS 13b (4-Acid) Cert										8650.000					2247.000				0.86		75		
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		171						0.3	230	96			3.6		93.9	3.6	3.2	1.4		7.72	22.7	1.93	0.73
SBC-1 Cert		163						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
OREAS 45d (4-Acid) Meas		22.3	0.10	0.24	7.40	0.37	0.18		145	516	459	14.4	3.0		245	1.2	0.8	0.5		3.18	27.5	0.57	0.36
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 96 (4 Acid) Meas																			10.9		46.2		26.9
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 923 (4 Acid) Meas		34.4	0.34	1.89	8.22	2.03	0.45	0.4	90	75	922	6.65	3.9		38.0	2.7	2.5	1.0	1.67	5.77	21.5	1.31	22.9
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 621 (4 Acid) Meas		15.0	1.34	0.56	7.53	1.81	2.10	269	35	36	537	4.12	5.0		29.8		1.8		61.5	3.08	28.8		4.28
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas		14.1	1.25	0.52	6.59	2.13	1.89	270	33	27	493	3.90	4.6		28.6		1.8		60.9	2.81	27.7		4.03
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 520 (4 Acid) Meas		16.8	1.32	1.23	5.87	3.11	4.06		287	53	2540	18.1	4.0		80.6	2.3	1.1	0.8	0.49	0.69	190	1.29	2.99
OREAS 520 (4 Acid) Cert		16.9	1.35	1.19	5.63	3.46	4.10		257	36.4	2420	16.4	3.53		76.0	2.21	1.06	0.760	0.450	0.800	203	1.29	2.94
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid																							

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
A0882024 Orig	15																						
A0882024 Dup	11																						
A0882034 Orig	< 5																						
A0882034 Dup	< 5																						
A0882037 Orig	< 5	24.6	> 3.00	1.44	7.41	1.41	1.88	< 0.1	86	111	467	3.76	4.1	40	45.8	1.1	1.1	0.4	0.17	2.84	15.9	0.86	0.17
A0882037 Dup	< 5	25.6	> 3.00	1.61	8.44	1.47	2.07	0.1	93	99	507	4.05	4.5	30	49.0	1.2	1.3	0.5	0.19	2.98	16.8	0.97	0.19
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	4	6	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	0.04
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		120	21.8	< 0.1	106		179	28	< 0.1			< 1	< 0.1		680	42.6	101		42.2	7.8	7.7	1.1	6.3
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas	156	1390										> 200	5.7										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
DNC-1a Meas		67.9	15.4		3.3	16.3	141	40	1.6				0.6		102	3.7			4.9				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		67.8	15.3		1.5	15.4	148	39	1.8				0.8		107	3.4			4.6				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
OREAS 13b (4-Acid) Meas		124		48.1						9.51													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas		199	24.3	26.4	138	31.7	179	128	16.4	2.59		4	1.0		826	50.9	117	12.4	50.3	9.0	8.8	1.2	6.8
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas		39.7	22.7	9.9	33.6	10.5	29.4	109	2.1	0.60	< 0.1	< 1	< 0.1		178	14.9	35.9	3.4	13.4	2.8	2.5	0.4	2.2
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 96 (4 Acid) Meas	36.9	509										66	2.8										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 923 (4 Acid) Meas	5.4	385	17.9	5.8	131	25.7	40.7	129	15.1	1.09	0.4	14	1.1		421	40.5	89.4	9.2	35.3	7.5	6.1	0.9	4.9
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 621 (4 Acid) Meas	5.2	> 10000	28.8	65.1	72.0	12.7	65.9	186	9.4	14.3	1.5	6	24.2			18.0	49.4					0.5	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 621 (4 Acid) Meas	4.7	> 10000	27.5	67.4	75.0	12.4	65.5	179	10.4	14.4	1.5	6	19.6			19.4	49.7					0.5	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 520 (4 Acid) Meas	1.4	10.6	18.6	132	105	22.0	92.9	159	7.2	75.4	< 0.1	5	1.4	0.2		78.1	89.7	6.6	23.1	4.3	4.2	0.6	3.8
OREAS 520 (4 Acid) Cert	1.76	22.7	18.7	153	111	20.8	104	134	5.68	65.0	0.110	4.76	3.21	0.360		85.0	86.0	6.69	22.1	4.02	4.08	0.640	3.66
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid)																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
A0882024 Orig																							
A0882024 Dup																							
A0882034 Orig																							
A0882034 Dup																							
A0882037 Orig	0.2	68.1	15.8	1.0	56.2	10.7	288	159	6.1	1.51	< 0.1	1	0.2	< 0.1	510	29.6	63.1	6.3	23.2	4.1	3.1	0.4	2.1
A0882037 Dup	0.3	74.2	16.9	1.0	60.5	12.3	328	166	6.1	1.45	< 0.1	1	0.2	< 0.1	551	34.4	71.5	7.0	26.4	4.7	3.6	0.4	2.3
Method Blank	< 0.1	< 0.2	0.2	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.12	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
SDC-1 Meas	32.0		0.5	3.5		< 0.1	< 0.1		0.49	26.5	16	12.6	2.8	0.123	0.055	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
Oreas 72a (4 Acid Digest) Meas																1.64
Oreas 72a (4 Acid Digest) Cert																1.74
OREAS 101b (4 Acid) Meas														0.342	0.112	
OREAS 101b (4 Acid) Cert														0.35		
OREAS 98 (4 Acid) Meas	> 10000									313						15.7
OREAS 98 (4 Acid) Cert	14800 0.0									345						15.5
DNC-1a Meas	90.1			2.0						6.5	29			0.264		
DNC-1a Cert	100			2.0						6.3	31			0.29		
DNC-1a Meas	94.1			1.9						7.0	28			0.273		
DNC-1a Cert	100			2.0						6.3	31			0.29		
OREAS 13b (4-Acid) Meas	1980															1.13
OREAS 13b (4-Acid) Cert	2327.0 000															1.2
OREAS 904 (4 ACID) Meas											11			0.095	0.06	
OREAS 904 (4 ACID) Cert											11.2			0.0980	0.0630	
SBC-1 Meas	30.8		0.5	3.6	0.5	1.0	1.8		1.05	39.9	20	16.3	6.0	0.474		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
OREAS 45d (4-Acid) Meas	335			1.4	0.2	< 0.1	0.1		0.31	23.3	52	13.4	2.8	0.381	0.038	0.05
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 96 (4 Acid) Meas	> 10000									101						4.36
OREAS 96 (4 Acid) Cert	39300									101						4.19
OREAS 923 (4 Acid) Meas	3980		0.4	2.7	0.4	1.2	5.4		1.00	88.7	13	17.8	3.4	0.409	0.063	0.74
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 621 (4 Acid) Meas	3480			1.1	0.2		1.9		2.27	> 5000	7	4.5	2.9	0.186	0.037	4.74
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 621 (4 Acid) Meas	3380			1.0	0.2		2.4		2.02	> 5000	7	5.7	2.8	0.185	0.036	4.64
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 520 (4 Acid) Meas	2720		0.3	2.3	0.4	0.5	44.5	0.032	0.30	6.6	17	9.4	17.8	0.476	0.072	0.94
OREAS 520 (4 Acid) Cert	2930		0.310	2.20	0.340	0.470	43.8	0.0310	0.260	5.85	17.0	9.62	17.9	0.445	0.0740	1.01
OREAS 522 (4 Acid) Meas											10			0.292	0.082	2.37
OREAS 522 (4 Acid) Cert											10.9			0.344	0.0890	2.50
Oreas 77b (4 Acid											3			0.0577		

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Digest) Meas																
Oreas 77b (4 Acid Digest) Cert											3.51			0.0640		
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
A0882024 Orig																
A0882024 Dup																
A0882034 Orig																
A0882034 Dup																
A0882037 Orig	35.8	< 0.1	0.2	1.2	0.2	0.5	1.1	< 0.001	0.51	17.8	11	9.7	3.4	0.288	0.049	0.24
A0882037 Dup	41.6	< 0.1	0.2	1.3	0.2	0.4	1.1	< 0.001	0.55	18.6	11	12.3	3.7	0.276	0.048	0.24
Method Blank	0.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1					
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1					





Report No.: A19-12940  
Report Date: 23-Oct-19  
Date Submitted: 24-Sep-19  
Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

24 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-6	QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS)	2019-10-21 14:54:49

REPORT A19-12940

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.  
41 Biltmore Street, Ancaster, Ontario, Canada, L9G 4V5  
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E-MAIL [Ancaster@actlabs.com](mailto:Ancaster@actlabs.com) ACTLABS GROUP WEBSITE [www.actlabs.com](http://www.actlabs.com)

Report No.: A19-12940

Report Date: 23-Oct-19

Date Submitted: 24-Sep-19

Your Reference:

Tashota Resources Inc  
82 Richmond St East  
Toronto On m5c1p1  
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

24 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-09-25 12:57:07

REPORT A19-12940

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

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1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0882051	1060	24.9	0.71	1.81	6.51	1.81	2.75	9.7	88	117	990	4.34	3.3	30	51.8	1.1	1.4	0.3	3.13	4.20	20.5	0.86	2.00
A0882052	22	26.1	0.71	1.70	7.58	2.43	2.46	0.4	96	106	861	4.22	3.8	30	52.3	1.1	1.5	0.4	0.44	4.22	18.2	0.97	0.35
A0882053	147	25.6	0.66	1.96	7.11	2.87	3.15	1.4	93	90	1110	4.28	3.4	30	57.8	1.3	1.6	0.4	1.98	3.45	20.7	0.94	3.43
A0882054	155	27.9	2.37	1.86	7.83	1.71	2.06	< 0.1	101	89	680	4.54	3.8	30	50.5	1.4	1.4	0.5	0.34	3.75	19.6	0.99	0.26
A0882055	421	24.9	2.72	1.80	7.75	2.01	2.31	0.2	97	93	798	4.23	3.7	60	45.9	1.3	1.5	0.4	0.70	6.95	20.3	0.95	0.31
A0882056	24	28.3	> 3.00	2.96	7.47	1.42	2.69	0.1	120	97	749	5.06	2.9	40	60.9	1.4	1.3	0.4	0.31	16.0	24.4	0.97	0.17
A0882057	2830	23.9	1.66	1.29	6.84	1.54	1.57	3.8	77	76	488	3.24	4.0	40	35.2	1.1	1.2	0.4	0.56	3.79	14.3	0.78	0.31
A0882058	< 5	31.4	1.08	1.73	8.14	2.69	2.11	0.2	103	92	626	4.03	3.5	30	48.9	1.4	1.5	0.5	0.30	3.86	18.1	0.84	0.24
A0882059	8	23.1	1.84	1.56	6.92	1.59	2.66	0.2	81	96	737	3.78	3.2	30	39.6	1.2	1.2	0.4	0.35	3.04	15.8	0.77	0.36
A0882060	20	22.9	2.04	1.52	6.80	1.62	2.20	0.8	82	99	643	3.72	4.4	30	35.6	1.1	1.3	0.4	0.79	3.33	15.2	0.91	0.80
A0882061	< 5	27.5	1.73	1.77	7.47	1.79	2.95	< 0.1	96	89	770	4.38	3.6	30	48.9	1.4	1.3	0.4	0.26	3.61	17.7	0.98	0.17
A0882062	468	20.5	1.72	1.00	5.72	1.33	2.03	0.1	63	83	504	2.55	2.8	50	30.6	0.8	1.1	0.3	0.42	3.45	12.6	0.64	0.41
A0882063	< 5	34.8	2.43	1.90	8.58	2.31	2.41	< 0.1	120	116	757	4.43	3.6	40	52.6	1.3	1.8	0.4	0.31	6.52	18.3	1.00	0.24
A0882064	24	22.3	2.41	1.89	8.24	1.71	1.94	0.1	117	114	643	4.53	4.0	30	52.2	1.4	1.3	0.5	0.22	3.45	20.5	1.02	0.27
A0882065	< 5	20.1	2.58	1.80	7.44	1.41	2.53	0.1	92	88	784	4.41	3.7	30	41.2	1.3	1.2	0.4	0.22	3.14	16.3	0.99	0.25
A0882066	6	25.0	0.40	1.57	8.58	2.07	2.53	< 0.1	110	50	663	4.04	3.0	20	21.8	1.2	1.4	0.4	0.37	4.33	15.2	0.86	0.29
A0882067	458	24.8	0.70	1.92	7.50	2.52	2.37	< 0.1	124	108	651	4.99	3.3	30	60.8	1.4	1.2	0.4	0.46	3.71	20.9	1.00	0.19
A0882068	16	25.2	1.84	1.57	7.41	1.94	2.17	< 0.1	94	86	651	3.89	3.2	20	40.0	1.2	1.3	0.4	0.32	2.61	15.8	0.89	0.29
A0882069	5	21.4	2.68	0.98	7.99	2.02	2.82	0.1	66	24	519	2.43	2.1	60	9.8	0.7	1.4	0.2	0.18	2.86	8.2	0.46	0.11
A0882070	< 5	23.3	> 3.00	1.14	8.57	1.49	2.60	0.1	69	21	460	2.56	2.0	50	9.8	0.7	1.2	0.2	0.16	2.56	7.9	0.63	0.03
A0882071	< 5	9.8	1.18	0.24	3.40	0.58	1.97	< 0.1	34	37	299	1.92	1.1	50	6.7	0.5	0.9	0.2	0.10	0.83	6.8	0.65	0.05
A0882072	45	29.0	1.93	1.91	7.70	1.62	2.16	0.2	92	84	709	3.99	3.4	40	42.5	1.3	1.3	0.4	0.25	3.72	15.9	0.92	0.16
A0882073	136	21.9	1.95	1.42	6.07	1.42	2.34	< 0.1	77	110	647	3.39	3.9	30	35.7	1.2	1.0	0.4	0.26	3.00	14.5	0.89	0.24
A0882074	64	25.0	2.15	1.73	7.01	1.26	1.28	0.2	91	114	489	4.00	5.1	40	40.0	1.3	1.1	0.4	0.30	3.08	16.5	0.89	0.27



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0882051	1.9	886	15.7	14.9	64.7	9.4	201	119	4.9	1.44	< 0.1	1	2.4	1.4	421	19.6	46.1	5.2	20.6	3.3	3.0	0.3	1.9
A0882052	1.5	93.1	16.8	3.9	73.8	10.6	184	139	5.4	1.37	< 0.1	1	0.5	0.2	661	25.5	55.6	6.6	25.8	4.2	3.3	0.4	2.2
A0882053	1.7	134	16.0	8.2	74.2	11.6	215	123	5.5	1.28	< 0.1	1	0.4	0.7	694	24.0	54.1	6.4	24.1	4.1	3.4	0.4	2.3
A0882054	1.4	81.4	18.2	9.8	53.5	12.6	265	137	6.4	1.67	< 0.1	1	0.5	< 0.1	512	26.1	57.9	6.4	25.2	3.6	3.6	0.4	2.6
A0882055	1.2	108	16.7	4.8	65.6	11.1	278	136	6.2	2.71	< 0.1	1	0.6	0.1	459	25.7	53.8	6.3	24.7	3.5	3.4	0.4	2.4
A0882056	1.5	90.0	17.2	2.9	63.3	11.3	408	102	7.2	1.23	< 0.1	1	0.6	< 0.1	417	23.8	49.7	5.9	23.2	4.1	3.4	0.4	2.3
A0882057	1.3	759	15.1	0.2	44.3	9.9	172	149	5.3	1.54	< 0.1	1	1.1	< 0.1	590	26.4	54.2	6.2	23.1	3.3	2.9	0.3	2.0
A0882058	1.3	78.2	19.0	15.0	71.3	12.7	215	127	6.4	1.63	< 0.1	1	0.6	< 0.1	818	19.5	44.5	5.3	20.9	3.5	3.2	0.4	2.5
A0882059	1.2	77.9	15.2	7.7	48.9	10.3	270	114	4.9	1.85	< 0.1	< 1	0.8	< 0.1	537	24.5	50.5	6.0	22.6	3.6	2.9	0.3	2.1
A0882060	1.1	195	15.6	5.8	50.6	9.9	262	163	5.2	1.86	< 0.1	1	0.3	0.2	537	28.5	57.3	6.7	25.7	3.8	3.1	0.4	2.1
A0882061	1.1	56.4	16.5	7.2	53.6	12.3	261	131	6.1	1.43	< 0.1	1	0.3	< 0.1	605	25.7	52.9	6.2	24.3	4.1	3.5	0.4	2.4
A0882062	1.3	37.2	11.6	4.7	39.5	7.2	202	103	4.0	2.89	< 0.1	< 1	0.3	< 0.1	454	17.7	36.7	4.2	16.0	2.4	2.1	0.3	1.5
A0882063	1.7	68.7	20.5	0.4	68.2	10.6	286	130	6.8	1.98	< 0.1	1	0.2	< 0.1	729	23.3	51.5	6.2	23.4	3.8	3.3	0.4	2.3
A0882064	1.6	77.5	18.2	69.8	50.7	12.2	310	143	6.6	1.61	< 0.1	1	0.2	< 0.1	611	26.3	56.2	6.4	25.3	3.9	3.7	0.4	2.5
A0882065	1.5	70.2	15.6	7.3	45.0	10.6	349	135	5.5	1.32	< 0.1	1	0.3	< 0.1	461	25.8	52.7	6.2	24.2	3.5	3.3	0.4	2.2
A0882066	1.6	61.4	19.9	< 0.1	82.1	9.8	230	105	4.2	0.73	< 0.1	< 1	0.3	< 0.1	265	18.6	41.0	5.1	21.3	3.5	2.9	0.3	2.1
A0882067	1.3	92.8	18.7	< 0.1	71.4	12.1	224	116	6.0	1.59	< 0.1	1	0.3	< 0.1	601	22.9	49.3	5.8	22.8	3.6	3.3	0.4	2.4
A0882068	1.3	69.4	17.4	0.2	52.0	10.2	296	111	5.5	1.39	< 0.1	1	0.2	< 0.1	560	20.9	46.5	5.4	20.8	3.3	3.0	0.4	2.1
A0882069	1.0	49.7	17.8	< 0.1	53.6	6.4	406	58	3.3	0.70	< 0.1	< 1	0.1	< 0.1	588	7.7	19.0	2.5	10.8	1.9	1.9	0.2	1.3
A0882070	0.8	90.2	19.3	< 0.1	40.0	6.6	543	56	1.7	0.56	< 0.1	< 1	< 0.1	< 0.1	609	9.0	22.0	2.9	12.4	2.2	2.0	0.2	1.4
A0882071	0.9	24.0	8.6	< 0.1	15.8	5.4	232	45	4.1	5.02	< 0.1	< 1	< 0.1	< 0.1	273	22.4	47.1	5.7	21.6	2.5	2.0	0.2	1.1
A0882072	0.9	104	16.7	< 0.1	51.3	11.3	233	124	5.4	1.15	< 0.1	1	0.5	< 0.1	638	22.7	48.8	5.7	22.0	3.4	3.0	0.4	2.3
A0882073	0.9	64.0	13.3	< 0.1	43.3	9.9	271	139	5.1	1.63	< 0.1	< 1	0.4	< 0.1	503	26.5	53.7	6.2	23.3	3.4	3.0	0.4	2.2
A0882074	0.9	79.7	16.0	< 0.1	44.1	11.3	200	191	6.0	1.47	< 0.1	1	0.4	< 0.1	559	31.9	65.4	7.4	27.7	3.7	3.4	0.4	2.4

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0882051	117	< 0.1	0.2	1.1	0.1	0.4	2.2	< 0.001	0.59	1400	11	6.1	1.9	0.284	0.056	0.75
A0882052	76.9	< 0.1	0.2	1.2	0.2	0.4	2.2	< 0.001	0.60	70.4	13	8.4	2.5	0.312	0.064	0.61
A0882053	91.4	< 0.1	0.2	1.3	0.2	0.4	2.1	< 0.001	0.57	328	13	8.1	2.3	0.297	0.060	0.59
A0882054	45.5	< 0.1	0.2	1.4	0.2	0.5	1.6	< 0.001	0.46	30.6	14	9.3	2.7	0.304	0.054	0.47
A0882055	52.6	< 0.1	0.2	1.3	0.2	0.5	1.9	0.001	0.57	88.7	13	9.9	3.1	0.301	0.056	0.79
A0882056	60.4	0.1	0.2	1.3	0.2	0.5	1.1	< 0.001	0.77	25.7	16	7.5	2.0	0.345	0.060	0.69
A0882057	53.6	< 0.1	0.2	1.1	0.2	0.5	1.6	< 0.001	0.50	146	11	10.0	3.1	0.262	0.047	0.58
A0882058	28.3	< 0.1	0.2	1.4	0.2	0.5	2.5	< 0.001	0.60	24.3	15	8.7	2.5	0.325	0.061	0.37
A0882059	43.3	< 0.1	0.2	1.2	0.2	0.4	1.8	< 0.001	0.46	41.5	10	6.9	2.5	0.263	0.049	0.37
A0882060	41.3	< 0.1	0.1	1.1	0.2	0.4	1.6	< 0.001	0.48	65.1	11	10.6	3.5	0.278	0.048	0.27
A0882061	47.7	< 0.1	0.2	1.3	0.2	0.5	1.6	< 0.001	0.54	21.1	13	9.1	2.7	0.322	0.064	0.37
A0882062	51.1	< 0.1	0.1	0.8	0.1	0.3	2.2	< 0.001	0.42	19.1	8	7.5	2.3	0.202	0.039	0.42
A0882063	42.8	< 0.1	0.2	1.3	0.2	0.6	2.9	< 0.001	0.76	21.6	14	8.2	2.7	0.333	0.058	0.40
A0882064	46.5	0.2	0.2	1.4	0.2	0.5	1.4	< 0.001	0.52	22.5	14	9.5	3.0	0.337	0.064	0.24
A0882065	46.2	0.1	0.2	1.2	0.2	0.4	1.0	< 0.001	0.45	18.9	11	9.8	3.0	0.281	0.055	0.26
A0882066	32.0	< 0.1	0.2	1.1	0.2	0.3	2.5	< 0.001	0.74	21.4	9	4.4	1.3	0.312	0.060	0.78
A0882067	52.5	< 0.1	0.2	1.4	0.2	0.5	1.8	< 0.001	0.56	20.8	18	8.3	2.5	0.337	0.054	0.63
A0882068	32.7	< 0.1	0.2	1.1	0.2	0.4	2.3	< 0.001	0.49	26.5	12	7.3	2.3	0.293	0.055	0.32
A0882069	29.6	< 0.1	< 0.1	0.6	< 0.1	0.2	2.5	< 0.001	0.55	23.1	6	1.2	0.4	0.199	0.045	0.29
A0882070	12.7	0.2	< 0.1	0.7	< 0.1	< 0.1	0.8	< 0.001	0.37	13.7	6	1.4	0.5	0.198	0.049	0.05
A0882071	26.8	< 0.1	< 0.1	0.5	< 0.1	0.2	2.1	0.001	0.17	7.9	3	1.1	0.4	0.130	0.034	0.39
A0882072	37.9	< 0.1	0.2	1.2	0.2	0.4	1.5	< 0.001	0.49	42.3	12	7.6	2.5	0.302	0.056	0.32
A0882073	34.6	< 0.1	0.2	1.1	0.2	0.5	1.3	0.001	0.38	27.0	9	9.2	3.4	0.255	0.044	0.40
A0882074	38.9	< 0.1	0.2	1.3	0.2	0.5	1.5	< 0.001	0.40	28.6	11	13.6	4.7	0.307	0.053	0.44



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 72a (4 Acid Digest) Meas																							
OREAS 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 97 (4 Acid) Meas																			18.9		56.9		39.7
OREAS 97 (4 Acid) Cert																			19.6		62.9		40.1
OREAS 98 (4 Acid) Meas																			43.5		118		84.1
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
DNC-1a Meas																							
DNC-1a Cert																							
OREAS 13b (4-Acid) Meas										> 5000					2440				0.84		66.6		
OREAS 13b (4-Acid) Cert										8650.000					2247.000				0.86		75		
OREAS 904 (4 ACID) Meas		18.3	0.03	0.71	6.36	1.70	0.04		97	67	411	7.01	3.9		37.5		9.8		0.53	3.83	82.6		4.27
OREAS 904 (4 ACID) Cert		16.7	0.0340	0.556	6.30	3.31	0.0460		76.0	54.0	410	6.68	5.00		40.1		7.86		0.551	3.79	83.0		4.05
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas		22.1	0.09	0.15	7.64	0.46	0.16		191	635	479	14.7	3.6		204	1.4	0.7	0.4		3.99	27.3	0.60	0.33
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 220 (Fire Assay) Meas	851																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 96 (4 Acid) Meas																			10.9		45.7		27.2
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 520 (4 Acid) Meas																							
OREAS 520 (4 Acid) Cert																							
OREAS 238 (Fire Assay) Meas	2950																						



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 238 (Fire Assay) Cert	3030																						
A0882060 Orig	22																						
A0882060 Dup	18																						
A0882062 Orig		20.4	1.74	1.00	5.62	1.33	2.03	0.1	63	82	505	2.55	2.9	60	30.3	0.8	1.1	0.3	0.40	3.49	12.6	0.63	0.40
A0882062 Dup		20.6	1.70	1.00	5.83	1.32	2.04	0.1	63	84	503	2.56	2.8	50	30.8	0.8	1.1	0.3	0.45	3.41	12.6	0.64	0.43
A0882070 Orig	< 5																						
A0882070 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	5	2	< 0.01	< 0.1	30	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							
Method Blank																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 72a (4 Acid Digest) Meas																							
OREAS 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 97 (4 Acid) Meas	67.2	587										92	3.9										
OREAS 97 (4 Acid) Cert	71.4	646										95.7	9.23										
OREAS 98 (4 Acid) Meas	167	1290										182	6.5										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
DNC-1a Meas																							
DNC-1a Cert																							
OREAS 13b (4-Acid) Meas		120		54.9						8.95													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 904 (4 ACID) Meas	2.5	25.1	16.2	99.8	59.1	31.3	25.6	154		2.02	0.2	3	1.0		211	41.1	82.7					0.9	
OREAS 904 (4 ACID) Cert	3.30	26.3	16.7	98.0	130	31.5	27.2	171		2.12	0.220	2.83	1.48		194	43.2	86.0					1.00	
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas		41.9	20.6	11.4	38.0	10.6	28.8	128	4.2	0.96	<0.1	1	<0.1		189	15.6	36.2	4.1	15.6	2.5	2.7	0.4	2.4
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	39.1	428										63	3.1										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 520 (4 Acid) Meas																							
OREAS 520 (4 Acid) Cert																							
OREAS 238 (Fire Assay) Meas																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 238 (Fire Assay) Cert																							
A0882060 Orig																							
A0882060 Dup																							
A0882062 Orig	1.3	37.5	11.7	4.8	39.9	7.2	202	104	4.0	2.88	< 0.1	< 1	0.3	< 0.1	451	17.4	36.1	4.1	15.7	2.6	2.1	0.3	1.4
A0882062 Dup	1.4	37.0	11.6	4.7	39.2	7.2	203	102	4.0	2.90	< 0.1	< 1	0.3	< 0.1	457	18.0	37.2	4.3	16.4	2.2	2.0	0.2	1.5
A0882070 Orig																							
A0882070 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	0.3	0.2	< 0.1	0.2	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid Digest) Meas																1.75
Oreas 72a (4 Acid Digest) Cert																1.74
OREAS 101b (4 Acid) Meas														0.337	0.117	
OREAS 101b (4 Acid) Cert														0.35		
OREAS 97 (4 Acid) Meas	> 10000									155						6.87
OREAS 97 (4 Acid) Cert	63100.00									147						6.07
OREAS 98 (4 Acid) Meas	> 10000									335						16.2
OREAS 98 (4 Acid) Cert	14800.0									345						15.5
DNC-1a Meas											29			0.273		
DNC-1a Cert											31			0.29		
OREAS 13b (4-Acid) Meas	2280															1.19
OREAS 13b (4-Acid) Cert	2327.0000															1.2
OREAS 904 (4 ACID) Meas	6840	0.2		3.2	0.5	0.2	1.0		0.58	13.0	12	16.2	9.7		0.105	0.06
OREAS 904 (4 ACID) Cert	6120	0.180		3.14	0.470	0.540	2.12		0.520	10.6	11.2	14.3	8.43		0.0980	0.0630
SBC-1 Meas											20			0.495		
SBC-1 Cert											20.0			0.51		
OREAS 45d (4-Acid) Meas	306			1.4	0.2	0.2	0.2		0.26	25.4	53	16.0	3.0	0.300	0.038	0.05
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 45d (4-Acid) Meas											55			0.495	0.041	0.05
OREAS 45d (4-Acid) Cert											49.30			0.773	0.042	0.049
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 96 (4 Acid) Meas	> 10000									110						4.44
OREAS 96 (4 Acid) Cert	39300									101						4.19
OREAS 923 (4 Acid) Meas											13			0.414	0.066	0.72
OREAS 923 (4 Acid) Cert											13.1			0.405	0.0630	0.691
OREAS 621 (4 Acid) Meas											6			0.188	0.037	4.70
OREAS 621 (4 Acid) Cert											6.24			0.149	0.0359	4.48
OREAS 520 (4 Acid) Meas											17			0.461	0.074	0.94
OREAS 520 (4 Acid) Cert											17.0			0.445	0.0740	1.01
OREAS 238 (Fire Assay) Meas																

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
OREAS 238 (Fire Assay) Cert																
A0882060 Orig																
A0882060 Dup																
A0882062 Orig	51.3	< 0.1	0.1	0.8	0.1	0.3	2.3	< 0.001	0.43	18.8	8	7.4	2.2	0.204	0.039	0.43
A0882062 Dup	50.9	< 0.1	0.1	0.8	0.1	0.3	2.0	< 0.001	0.41	19.4	8	7.5	2.3	0.201	0.038	0.42
A0882070 Orig																
A0882070 Dup																
Method Blank																
Method Blank																
Method Blank											< 1			0.0005	< 0.001	< 0.01
Method Blank	0.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank												< 1		0.0005	< 0.001	< 0.01
Method Blank												< 1		0.0005	< 0.001	< 0.01



Report No.: A19-14272
Report Date: 21-Nov-19
Date Submitted: 22-Oct-19
Your Reference:

Tashota Resources Inc
82 Richmond St East
Toronto On m5c1p1
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

47 Core samples were submitted for analysis.

Table with 2 columns: Analytical package requested and Testing Date. Row 1: UT-6, QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS), 2019-11-08 16:02:10

REPORT A19-14272

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: A19-14272  
 Report Date: 21-Nov-19  
 Date Submitted: 22-Oct-19  
 Your Reference:

Tashota Resources Inc  
 82 Richmond St East  
 Toronto On m5c1p1  
 Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

47 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-11-01 22:04:03

REPORT A19-14272

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

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Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935451	19	26.1	1.40	1.58	6.79	1.24	1.47	0.1	95	98	605	3.88	3.2	40	69.8	1.0	1.2	0.4	0.21	3.62	20.8	0.74	0.09
A0935452	47	25.9	1.15	1.53	6.58	1.30	2.80	0.2	86	142	864	3.84	3.5	30	59.3	1.2	1.3	0.4	0.29	3.51	19.3	0.77	0.14
A0935453	109	31.0	1.26	1.85	8.08	1.54	3.39	0.2	106	150	866	4.85	4.0	60	72.2	1.4	1.2	0.5	0.37	3.83	23.1	1.06	0.18
A0935454	8	30.1	0.53	1.72	6.77	1.41	3.30	0.1	93	132	907	4.25	4.1	40	61.3	1.1	1.4	0.5	0.31	3.34	19.4	0.81	0.22
A0935455	13	27.0	0.71	1.41	6.79	1.01	2.31	< 0.1	99	122	742	3.89	3.4	50	65.7	1.0	1.5	0.4	0.25	3.62	20.6	0.69	0.16
A0935456	73	24.7	0.97	1.44	6.02	1.23	2.77	0.1	105	137	814	4.24	2.8	40	74.0	1.2	1.2	0.5	0.27	3.52	22.5	0.84	0.17
A0935457	12	25.8	1.27	1.49	8.08	1.92	2.02	< 0.1	110	101	721	4.79	3.3	90	72.8	1.4	1.5	0.5	0.33	4.06	25.8	0.96	0.32
A0935458	11	25.9	1.09	1.66	7.72	1.62	1.57	0.1	107	95	671	4.38	3.1	80	67.3	1.5	1.4	0.5	0.28	3.87	21.3	0.95	0.25
A0935459	31	31.2	2.53	1.93	8.98	2.18	1.90	< 0.1	123	89	715	5.42	3.7	40	72.7	1.6	1.6	0.6	0.20	4.16	24.2	0.97	0.13
A0935460	9	25.8	2.45	1.58	8.07	1.88	1.68	< 0.1	92	58	530	4.14	3.6	30	53.1	1.3	1.2	0.5	0.22	3.84	18.4	0.88	0.17
A0935461	392	22.3	2.20	1.37	7.35	2.12	2.19	< 0.1	81	70	659	3.82	3.3	20	46.8	1.2	1.1	0.5	0.42	3.41	18.0	0.76	0.37
A0935462	92	25.8	1.57	1.58	8.06	3.03	2.03	< 0.1	112	86	703	4.69	3.3	30	66.2	1.4	1.4	0.6	0.46	4.03	22.4	0.88	0.25
A0935463	92	25.8	2.09	1.62	8.54	2.51	1.81	< 0.1	110	77	667	4.84	3.1	30	63.7	1.4	1.3	0.5	0.29	3.76	22.0	0.86	0.20
A0935464	76	24.9	1.95	1.55	8.13	2.86	2.18	< 0.1	109	89	752	4.43	3.2	30	62.0	1.4	1.3	0.5	0.24	3.70	21.9	0.86	0.19
A0935465	109	27.5	1.40	1.79	8.54	3.08	1.36	0.1	115	83	584	4.72	3.3	< 10	66.6	1.3	1.5	0.5	0.28	3.79	22.5	0.87	0.22
A0935466	81	28.9	1.35	1.86	7.09	1.35	1.74	0.2	122	124	702	4.78	3.3	40	72.8	1.3	1.4	0.5	0.31	3.50	22.8	0.77	0.36
A0935467	6	24.9	2.42	1.48	8.39	1.66	2.07	0.1	91	87	633	4.13	3.4	30	51.3	1.3	1.2	0.5	0.24	3.06	18.3	0.82	0.17
A0935468	5	25.2	1.66	1.62	8.27	2.14	1.95	0.1	99	64	601	4.29	3.2	40	57.5	1.3	1.4	0.5	0.21	3.63	19.6	0.83	0.14
A0935469	71	23.6	2.07	1.57	7.37	2.14	2.06	0.1	92	72	594	4.36	3.0	40	55.2	1.3	1.2	0.4	0.21	3.07	19.0	0.77	0.20
A0935470	24	23.2	2.18	1.31	7.43	2.64	1.98	< 0.1	88	69	547	3.66	3.2	20	48.8	1.1	1.3	0.4	0.19	2.80	17.6	0.78	0.12
A0935471	17	20.3	2.25	1.33	7.11	2.24	3.15	0.1	77	66	711	3.59	3.1	20	43.5	1.2	1.1	0.4	0.20	2.76	14.9	0.70	0.17
A0935472	37	11.7	0.92	0.71	3.61	1.31	0.91	< 0.1	49	39	327	2.08	1.5	10	28.5	0.7	0.7	0.3	0.11	1.77	9.9	0.41	0.08
A0935473	6	22.0	2.52	1.40	8.06	2.55	2.03	< 0.1	84	75	612	3.76	3.5	20	47.5	1.3	1.3	0.5	0.24	3.62	16.6	0.87	0.16
A0935474	45	24.6	1.96	1.44	6.27	1.04	1.79	0.2	105	120	676	4.20	4.0	30	55.7	1.1	1.4	0.4	0.32	4.18	20.9	0.79	0.24
A0935475	32	25.2	1.76	1.60	7.96	1.77	1.79	0.1	97	83	626	4.16	3.4	80	56.9	1.3	1.3	0.4	0.23	4.03	19.6	0.87	0.21
A0935476	13	24.9	2.15	1.26	8.11	1.88	2.16	< 0.1	87	59	696	3.91	3.8	40	47.6	1.2	2.2	0.5	0.26	6.65	17.4	0.82	0.43
A0935477	45	27.8	2.14	1.49	7.76	2.87	1.99	0.1	96	62	635	4.19	3.1	30	56.4	1.2	1.8	0.5	0.17	5.51	19.6	0.79	0.26
A0935478	39	24.9	2.18	1.48	7.42	2.45	2.07	0.1	91	87	612	4.09	4.3	40	47.5	1.3	1.3	0.5	0.27	4.50	18.5	0.88	0.31
A0935479	38	22.1	2.25	1.45	7.48	2.59	2.16	< 0.1	97	80	652	4.06	3.3	30	53.6	1.2	1.2	0.5	0.24	3.37	20.8	0.77	0.20
A0935480	24	25.0	1.79	1.50	8.01	2.82	1.98	< 0.1	105	77	603	4.53	3.3	20	59.6	1.3	1.4	0.5	0.26	4.01	20.2	0.84	0.23
A0935481	< 5	22.3	2.36	1.64	7.26	1.31	2.21	< 0.1	97	110	642	4.20	4.2	70	56.4	1.3	1.1	0.5	0.27	3.18	20.1	0.95	0.26
A0935482	< 5	20.5	2.55	1.49	7.19	1.34	1.82	< 0.1	94	103	561	4.28	3.6	40	55.7	1.2	1.2	0.5	0.19	3.36	19.6	0.77	0.20
A0935483	12	20.5	2.75	1.50	7.81	1.60	1.97	< 0.1	101	107	615	4.21	3.7	30	55.6	1.3	1.3	0.5	0.22	3.43	19.6	0.76	0.18
A0935484	24	19.5	2.50	1.47	8.24	1.74	1.84	< 0.1	96	75	572	4.09	3.5	30	53.4	1.2	1.2	0.5	0.21	3.39	18.8	0.81	0.19
A0935485	< 5	20.3	2.38	1.38	7.85	2.16	1.99	< 0.1	90	80	565	4.07	3.7	20	48.7	1.2	1.2	0.5	0.21	3.62	17.5	0.81	0.17
A0935486	< 5	19.5	1.92	1.38	7.28	2.65	2.23	< 0.1	91	85	639	3.87	4.2	20	49.1	1.4	1.1	0.5	0.25	3.73	18.0	0.83	0.19
A0935487	< 5	19.9	1.99	1.51	7.49	2.54	2.72	< 0.1	82	77	608	3.82	3.7	30	45.0	1.1	1.2	0.5	0.24	3.73	16.5	0.86	0.21
A0935488	9	18.8	1.72	1.37	7.37	2.66	2.71	< 0.1	85	90	654	3.76	4.1	20	46.7	1.2	1.1	0.4	0.28	3.32	17.0	0.84	0.22
A0935489	38	19.1	1.45	1.30	7.30	1.95	2.67	0.1	77	91	672	3.46	3.5	40	41.9	1.1	1.0	0.4	0.26	3.14	15.4	0.79	0.17
A0935490	188	22.3	0.76	1.21	7.47	1.99	3.11	< 0.1	89	82	704	3.80	3.6	40	50.2	1.3	1.1	0.5	0.34	3.66	16.8	0.85	0.15
A0935491	124	21.3	2.20	1.66	8.44	2.34	1.94	< 0.1	113	78	649	4.71	3.1	20	67.7	1.5	1.2	0.5	0.24	2.92	22.7	0.87	0.16
A0935492	33	21.0	2.82	1.60	8.34	1.84	2.11	< 0.1	103	88	687	4.40	3.5	20	59.7	1.4	1.0	0.5	0.67	2.33	20.5	0.90	0.19
A0935493	6	23.2	2.02	1.43	6.82	2.33	3.87	< 0.1	75	26	556	3.35	1.6	10	11.8	0.9	0.9	0.3	0.12	1.37	14.4	0.89	0.05
A0935494	< 5	19.1	> 3.00	0.97	7.76	1.72	3.02	< 0.1	70	30	483	2.62	1.8	< 10	11.4	0.7	0.8	0.3	0.15	1.54	12.1	0.46	0.03
A0935495	< 5	17.3	> 3.00	0.87	8.26	1.56	3.14	< 0.1	59	31	453	2.43	1.8	30	10.7	0.7	1.0	0.3	0.09	1.81	9.1	0.50	< 0.02
A0935496	< 5	20.9	> 3.00	0.89	6.42	1.44	2.55	< 0.1	69	45	447	2.55	1.9	40	11.9	0.6	1.0	0.2	0.11	1.40	10.3	0.35	0.04
A0935497	< 5	18.2	> 3.00	1.01	8.81	1.39	3.21	< 0.1	64	52	470	2.61	2.0	40	11.3	0.8	1.2	0.3	0.13	1.59	9.3	0.67	0.02



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935451	0.2	101	15.8	28.9	70.1	10.1	157	116	4.9	1.14	< 0.1	< 1	0.4	< 0.1	554	22.0	50.5	4.9	19.2	2.9	2.8	0.4	1.9
A0935452	0.2	122	14.6	90.8	64.8	10.3	166	129	4.4	1.51	< 0.1	< 1	0.6	< 0.1	583	20.6	48.5	4.9	18.9	3.2	2.6	0.4	2.0
A0935453	0.3	140	15.4	6.0	72.8	13.3	181	151	5.2	1.21	< 0.1	< 1	0.4	< 0.1	510	32.9	65.7	6.7	25.8	3.7	3.4	0.4	2.4
A0935454	0.1	87.6	14.6	5.6	67.1	11.2	177	144	5.2	1.32	< 0.1	1	0.2	< 0.1	637	27.1	56.9	5.8	22.6	3.7	3.1	0.4	2.1
A0935455	< 0.1	105	16.2	17.3	61.6	9.4	164	120	5.7	1.13	< 0.1	1	0.5	< 0.1	644	20.4	50.0	4.7	18.4	3.1	2.6	0.4	1.8
A0935456	0.3	104	16.0	55.4	60.5	10.7	197	102	5.5	3.53	< 0.1	1	0.6	< 0.1	530	17.6	44.5	4.1	16.6	3.0	2.6	0.4	2.1
A0935457	0.4	94.1	18.0	13.8	85.5	14.5	187	117	6.0	1.35	< 0.1	1	0.6	< 0.1	549	30.5	61.0	6.2	23.5	4.1	3.5	0.4	2.6
A0935458	0.3	123	17.8	55.6	76.8	14.2	157	114	5.6	1.59	< 0.1	2	0.4	< 0.1	582	30.0	59.6	6.1	22.9	4.0	3.4	0.4	2.5
A0935459	0.2	96.0	20.0	60.7	81.5	15.2	266	134	6.5	1.80	< 0.1	1	0.4	< 0.1	529	33.1	65.1	6.7	25.1	4.6	3.8	0.6	2.8
A0935460	0.2	91.8	16.7	0.3	69.5	12.5	227	136	5.6	1.77	< 0.1	1	0.3	< 0.1	507	31.1	60.6	6.2	23.3	3.9	3.2	0.5	2.4
A0935461	0.2	74.2	15.7	1.7	72.5	11.7	232	121	5.3	1.60	< 0.1	< 1	0.3	< 0.1	601	28.3	54.3	5.5	20.3	3.4	3.0	0.4	2.1
A0935462	0.3	106	18.5	1.9	97.3	13.6	231	125	6.5	1.88	< 0.1	1	0.5	< 0.1	681	30.6	59.3	6.1	23.9	3.8	3.7	0.5	2.6
A0935463	0.3	79.6	18.5	7.8	86.3	12.9	252	112	5.3	1.48	< 0.1	1	0.3	< 0.1	569	28.1	56.0	5.7	22.3	4.1	3.3	0.5	2.5
A0935464	0.1	78.1	18.4	48.9	89.4	13.5	258	117	5.7	1.32	< 0.1	1	0.3	< 0.1	586	27.6	55.6	5.7	22.4	3.5	3.3	0.5	2.5
A0935465	0.2	88.6	18.6	95.5	99.0	12.8	203	121	6.4	1.49	< 0.1	1	0.4	< 0.1	652	28.7	57.7	6.0	22.9	3.6	3.3	0.5	2.4
A0935466	0.3	96.8	18.7	190	59.6	11.9	220	114	6.4	1.40	< 0.1	1	0.5	< 0.1	588	23.0	52.8	5.1	19.7	3.3	2.8	0.4	2.2
A0935467	0.3	82.6	17.1	30.5	66.1	12.6	270	127	4.9	1.78	< 0.1	1	0.2	< 0.1	520	31.0	60.0	6.1	23.3	3.4	3.2	0.4	2.2
A0935468	0.2	103	18.4	12.3	82.5	12.7	250	123	4.1	1.63	< 0.1	1	0.4	< 0.1	634	28.3	57.3	5.8	23.5	3.2	3.0	0.4	2.3
A0935469	0.2	81.0	16.8	40.4	72.9	12.2	266	112	2.6	1.31	< 0.1	1	0.1	< 0.1	538	28.2	55.0	5.7	21.7	3.2	3.0	0.4	2.2
A0935470	< 0.1	68.2	16.8	132	80.6	10.2	255	120	5.1	1.38	< 0.1	1	0.3	< 0.1	626	26.3	52.4	5.3	20.6	3.2	2.8	0.4	2.0
A0935471	0.4	66.0	15.3	159	68.7	11.2	292	113	5.0	1.33	< 0.1	< 1	0.2	< 0.1	512	23.1	46.8	4.9	18.3	3.0	2.4	0.4	2.0
A0935472	0.2	48.1	9.1	20.5	41.1	6.2	124	56	3.0	0.66	< 0.1	< 1	0.1	< 0.1	290	13.0	26.0	2.7	10.3	1.7	1.5	0.2	1.1
A0935473	0.3	78.4	17.1	10.6	81.5	11.9	275	132	5.5	1.34	< 0.1	1	0.3	< 0.1	571	29.4	58.8	5.9	22.4	3.9	3.1	0.4	2.2
A0935474	0.2	113	17.4	11.9	58.7	10.9	255	150	7.8	1.55	< 0.1	1	0.3	< 0.1	510	31.4	68.4	6.2	22.6	3.8	3.2	0.4	2.0
A0935475	0.3	129	16.9	39.6	78.8	13.9	269	126	4.8	1.72	< 0.1	1	0.3	< 0.1	548	31.1	61.5	6.0	23.4	3.9	3.4	0.4	2.4
A0935476	0.4	72.2	18.5	9.9	101	11.4	307	136	7.0	2.11	< 0.1	1	0.2	< 0.1	608	31.0	61.8	6.1	23.3	3.2	3.0	0.4	2.2
A0935477	0.2	85.6	18.0	1.0	105	11.7	280	113	4.4	1.66	< 0.1	1	0.2	< 0.1	584	26.3	53.8	5.3	20.6	3.8	3.0	0.4	2.1
A0935478	0.2	81.3	16.3	0.9	91.0	12.3	257	160	6.0	1.83	< 0.1	1	0.1	< 0.1	555	34.4	65.8	6.6	24.3	3.4	3.3	0.4	2.2
A0935479	< 0.1	69.5	17.3	7.9	81.7	10.9	224	118	5.8	1.42	< 0.1	1	0.1	< 0.1	537	26.3	53.9	5.4	20.7	3.1	2.9	0.4	2.2
A0935480	0.2	83.6	18.5	7.7	97.6	12.2	210	121	6.3	1.39	< 0.1	1	0.2	< 0.1	618	28.8	57.5	5.9	22.5	3.5	3.3	0.4	2.4
A0935481	0.4	85.4	16.2	7.0	60.5	13.5	259	161	5.1	1.25	< 0.1	1	0.3	< 0.1	477	36.0	70.1	6.7	24.6	4.3	3.4	0.4	2.4
A0935482	< 0.1	78.7	16.4	52.0	59.6	11.4	260	138	3.4	0.95	< 0.1	1	< 0.1	< 0.1	478	27.8	54.8	5.5	20.8	3.3	3.0	0.4	2.2
A0935483	0.3	79.3	17.4	89.2	63.9	12.3	263	136	4.3	1.06	< 0.1	1	< 0.1	< 0.1	492	28.2	57.2	5.7	21.5	3.7	3.0	0.4	2.3
A0935484	0.1	76.2	16.8	9.8	69.8	12.2	283	132	5.6	1.10	< 0.1	1	0.1	< 0.1	510	28.6	56.2	5.7	22.2	3.1	3.2	0.5	2.4
A0935485	0.2	76.3	16.5	2.4	81.1	11.6	297	141	5.4	1.12	< 0.1	1	0.1	< 0.1	541	30.2	58.0	5.9	22.4	3.3	3.2	0.4	2.2
A0935486	0.2	76.0	15.8	0.9	88.9	12.0	254	163	5.1	1.81	< 0.1	< 1	0.2	< 0.1	559	33.3	63.2	6.5	24.2	3.5	3.2	0.5	2.3
A0935487	0.2	74.2	16.1	1.5	91.1	11.8	328	139	5.0	0.92	< 0.1	1	0.1	< 0.1	525	31.0	60.2	6.1	23.1	3.1	2.8	0.4	2.2
A0935488	0.2	68.9	15.9	1.4	89.6	12.2	278	154	5.5	1.06	< 0.1	< 1	0.1	< 0.1	506	32.0	62.1	6.4	23.9	3.3	3.0	0.4	2.2
A0935489	< 0.1	70.8	14.8	1.4	76.3	10.3	250	131	4.8	1.00	< 0.1	< 1	0.2	< 0.1	518	28.8	55.6	5.7	21.7	3.3	2.8	0.4	2.1
A0935490	< 0.1	89.5	15.4	0.2	84.5	12.1	230	136	5.5	1.29	< 0.1	1	0.2	< 0.1	641	27.5	55.3	5.5	21.2	3.1	3.1	0.4	2.3
A0935491	< 0.1	82.3	18.1	1.9	84.3	13.4	304	116	5.4	1.13	< 0.1	1	0.1	< 0.1	522	29.2	58.8	6.1	23.3	3.3	3.5	0.5	2.6
A0935492	< 0.1	85.0	17.9	1.3	64.7	13.5	317	136	5.9	1.29	< 0.1	1	0.1	< 0.1	431	32.3	63.0	6.4	24.6	3.7	3.6	0.5	2.6
A0935493	0.1	59.4	16.3	6.7	63.8	8.8	208	54	1.1	0.17	< 0.1	< 1	< 0.1	< 0.1	561	9.6	21.6	2.5	11.5	2.4	2.0	0.3	1.5
A0935494	0.1	56.2	17.5	5.7	48.4	6.9	469	57	3.3	0.47	< 0.1	< 1	< 0.1	< 0.1	597	10.2	21.8	2.6	10.4	2.1	1.6	0.3	1.3
A0935495	< 0.1	61.0	18.9	0.7	45.5	6.4	754	51	2.7	0.22	< 0.1	< 1	< 0.1	< 0.1	503	9.4	20.4	2.5	10.7	1.8	1.6	0.3	1.2
A0935496	< 0.1	53.8	19.6	3.5	40.7	5.0	493	57	3.8	0.25	< 0.1	< 1	0.1	< 0.1	586	5.8	15.5	1.6	7.2	1.5	1.3	0.2	1.1
A0935497	< 0.1	71.4	19.1	1.2	44.7	8.2	825	60	3.4	0.29	< 0.1	< 1	0.2	< 0.1	528	13.2	28.9	3.4	14.0	2.9	2.2	0.3	1.6



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0935451	46.2	< 0.1	0.2	1.1	0.1	0.4	1.8	< 0.001	0.56	20.9	13	6.1	2.0	0.320	0.060	0.28
A0935452	48.9	< 0.1	0.2	1.2	0.1	0.3	1.6	< 0.001	0.54	31.2	11	5.4	2.1	0.298	0.058	0.25
A0935453	53.3	< 0.1	0.2	1.4	0.2	0.4	1.5	< 0.001	0.51	33.6	14	9.2	2.7	0.337	0.067	0.65
A0935454	49.4	< 0.1	0.2	1.2	0.2	0.3	1.7	< 0.001	0.51	25.0	11	8.5	2.9	0.310	0.057	0.24
A0935455	49.9	< 0.1	0.2	1.1	0.2	0.4	1.9	< 0.001	0.59	22.6	12	6.2	2.2	0.327	0.062	0.30
A0935456	54.1	< 0.1	0.2	1.2	0.2	0.4	1.4	< 0.001	0.54	25.1	13	4.7	2.0	0.314	0.054	0.29
A0935457	79.1	< 0.1	0.2	1.5	0.2	0.5	1.5	< 0.001	0.60	24.4	17	8.9	2.4	0.340	0.061	0.82
A0935458	65.8	< 0.1	0.2	1.5	0.2	0.5	1.7	< 0.001	0.56	25.1	17	8.7	2.3	0.329	0.057	0.58
A0935459	50.6	< 0.1	0.3	1.6	0.2	0.4	1.3	< 0.001	0.51	15.3	16	9.7	2.9	0.339	0.052	0.21
A0935460	44.4	< 0.1	0.2	1.3	0.2	0.4	1.3	< 0.001	0.43	18.8	13	10.0	3.2	0.307	0.051	0.26
A0935461	47.6	< 0.1	0.2	1.2	0.2	0.4	1.4	< 0.001	0.44	34.3	11	8.4	2.5	0.278	0.046	0.31
A0935462	57.4	< 0.1	0.2	1.5	0.2	0.5	1.4	< 0.001	0.54	26.9	16	9.3	2.6	0.340	0.053	0.40
A0935463	51.6	0.2	0.2	1.4	0.2	0.3	0.7	< 0.001	0.50	16.3	16	8.6	2.4	0.323	0.054	0.27
A0935464	47.5	0.2	0.2	1.4	0.2	0.4	1.0	< 0.001	0.52	17.0	15	8.2	2.5	0.318	0.054	0.23
A0935465	55.6	< 0.1	0.2	1.4	0.2	0.5	1.8	< 0.001	0.57	18.3	16	8.5	2.5	0.353	0.058	0.25
A0935466	51.3	< 0.1	0.2	1.4	0.2	0.5	1.8	< 0.001	0.56	37.7	15	6.4	2.3	0.367	0.054	0.22
A0935467	51.1	< 0.1	0.2	1.3	0.2	0.3	1.3	< 0.001	0.43	20.0	12	9.2	2.8	0.293	0.052	0.22
A0935468	40.3	0.1	0.2	1.3	0.2	0.3	1.7	< 0.001	0.53	18.5	13	8.6	2.7	0.308	0.051	0.26
A0935469	45.7	0.2	0.2	1.3	0.2	< 0.1	0.4	< 0.001	0.46	22.1	13	8.0	2.6	0.281	0.052	0.20
A0935470	38.5	0.1	0.2	1.1	0.2	0.4	1.4	< 0.001	0.50	16.8	11	7.4	2.3	0.283	0.050	0.14
A0935471	41.0	0.2	0.2	1.2	0.2	0.4	1.3	< 0.001	0.42	19.3	10	6.7	2.4	0.264	0.047	0.15
A0935472	23.1	< 0.1	0.1	0.6	< 0.1	0.2	0.7	< 0.001	0.26	9.7	7	4.0	1.2	0.153	0.026	0.09
A0935473	41.4	< 0.1	0.2	1.2	0.2	0.5	1.4	< 0.001	0.50	20.4	12	9.5	3.0	0.293	0.051	0.19
A0935474	54.0	< 0.1	0.2	1.2	0.2	0.6	1.4	< 0.001	0.57	30.3	12	8.0	2.9	0.348	0.061	0.23
A0935475	45.7	0.1	0.2	1.4	0.2	0.3	1.4	< 0.001	0.57	25.7	15	9.3	2.6	0.303	0.056	0.32
A0935476	42.0	< 0.1	0.2	1.2	0.2	0.4	1.3	< 0.001	0.87	23.3	11	9.9	3.9	0.272	0.046	0.17
A0935477	42.3	0.2	0.2	1.2	0.2	< 0.1	0.7	< 0.001	0.68	16.0	13	7.9	2.5	0.300	0.051	0.15
A0935478	47.9	0.1	0.2	1.3	0.2	0.5	1.8	< 0.001	0.56	19.3	11	11.4	3.8	0.298	0.050	0.29
A0935479	44.9	< 0.1	0.2	1.2	0.2	0.5	1.5	< 0.001	0.49	16.3	13	8.1	2.5	0.309	0.050	0.19
A0935480	50.3	0.1	0.2	1.3	0.2	0.5	1.5	< 0.001	0.55	15.0	14	8.6	2.7	0.322	0.053	0.19
A0935481	44.9	< 0.1	0.2	1.4	0.2	0.4	1.3	< 0.001	0.45	15.5	14	11.9	3.5	0.295	0.051	0.38
A0935482	51.1	< 0.1	0.2	1.3	0.2	0.2	0.4	< 0.001	0.45	15.7	12	8.3	2.8	0.310	0.058	0.16
A0935483	47.8	< 0.1	0.2	1.3	0.2	0.2	0.5	< 0.001	0.45	16.4	12	8.5	2.8	0.313	0.056	0.15
A0935484	47.2	< 0.1	0.2	1.3	0.2	0.4	1.0	< 0.001	0.47	14.5	13	8.8	2.6	0.302	0.054	0.15
A0935485	46.7	0.1	0.2	1.3	0.2	0.3	0.9	< 0.001	0.50	15.6	12	9.5	3.0	0.289	0.049	0.18
A0935486	45.4	0.1	0.2	1.3	0.2	0.4	1.2	< 0.001	0.52	15.9	11	11.1	3.9	0.293	0.050	0.25
A0935487	41.2	0.4	0.2	1.2	0.2	0.3	0.8	< 0.001	0.53	16.9	10	9.7	2.9	0.259	0.048	0.19
A0935488	40.6	0.3	0.2	1.3	0.2	0.4	1.1	< 0.001	0.52	17.4	10	10.3	3.5	0.275	0.048	0.21
A0935489	34.6	< 0.1	0.2	1.2	0.2	0.4	1.4	< 0.001	0.51	15.4	10	8.9	2.7	0.263	0.044	0.28
A0935490	43.2	< 0.1	0.2	1.3	0.2	0.4	1.8	< 0.001	0.62	14.5	12	8.2	2.5	0.299	0.051	0.49
A0935491	47.7	0.3	0.2	1.4	0.2	0.4	0.9	< 0.001	0.49	15.0	16	8.7	2.4	0.319	0.051	0.22
A0935492	48.8	0.2	0.2	1.4	0.2	0.4	0.9	< 0.001	0.40	16.9	14	9.6	2.9	0.310	0.051	0.22
A0935493	56.5	0.4	0.1	0.8	0.1	< 0.1	0.8	< 0.001	0.32	6.4	9	1.4	0.5	0.212	0.052	0.12
A0935494	26.8	0.3	0.1	0.7	0.1	0.2	1.7	< 0.001	0.23	7.0	6	1.3	0.5	0.226	0.047	0.09
A0935495	8.6	0.4	< 0.1	0.7	< 0.1	0.1	0.6	< 0.001	0.25	8.1	5	1.2	0.5	0.188	0.042	0.07
A0935496	14.4	< 0.1	< 0.1	0.6	< 0.1	0.2	2.0	< 0.001	0.25	8.1	4	0.7	0.4	0.215	0.044	0.27
A0935497	16.3	< 0.1	0.1	0.8	< 0.1	0.2	1.1	< 0.001	0.23	10.4	5	1.6	0.5	0.202	0.048	0.11



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-4 Meas																							
GXR-4 Cert																							
SDC-1 Meas		36.6	1.53	1.03	7.84	2.13	1.00		41	44	862	4.64	1.1	100	33.7	3.3	3.0	1.2		3.86	17.8	1.50	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
SDC-1 Meas		30.1	1.36	0.95	8.10	2.35	0.89		80	44	815	4.56	1.4	50	31.9	3.4	2.6	1.2		4.20	16.8	1.36	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
SDC-1 Meas		34.4	1.61	1.07	8.73	2.93	1.05		33	38	882	4.83	0.9	40	33.5	3.4	3.0	1.3		4.01	17.7	1.31	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
GXR-6 Meas																							
GXR-6 Cert																							
Oreas 72a (4 Acid Digest) Meas										187		9.24			> 5000						148		
Oreas 72a (4 Acid Digest) Cert										228		9.63			6930.00						157		
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas				1.32		2.39			82		995	11.0			9.3	14.0		5.0			45.9	6.65	
OREAS 101b (4 Acid) Cert				1.23		2.36			77		927	10.7			8.2	15		5.2			45	8.1	
OREAS 101b (4 Acid) Meas				1.27		2.24			76		926	10.6			8.9	13.2		4.9			45.7	6.62	
OREAS 101b (4 Acid) Cert				1.23		2.36			77		927	10.7			8.2	15		5.2			45	8.1	
OREAS 101b (4 Acid) Meas				1.23		2.46			74		952	10.6			9.2	14.0		5.7			45.9	6.37	
OREAS 101b (4 Acid) Cert				1.23		2.36			77		927	10.7			8.2	15		5.2			45	8.1	
OREAS 97 (4 Acid) Meas																			22.2		68.4		44.3
OREAS 97 (4 Acid) Cert																			19.6		62.9		40.1
OREAS 98 (4 Acid) Meas																			44.1		118		89.2
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
OREAS 98 (4 Acid) Meas																			44.6		131		89.7
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
OREAS 98 (4 Acid) Meas																			42.0		126		96.8
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
DNC-1a Meas		4.6	1.29				7.39		137	132		6.34			254						55.3	0.55	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas		4.6	1.44				8.32		150	166		7.07			270						56.2	0.50	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas																							
DNC-1a Cert																							
OREAS 13b (4-Acid) Meas										> 5000					2230				0.98		77.3		
OREAS 13b (4-Acid) Cert										8650.00					2247.000				0.86		75		

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 13b (4-Acid) Meas										> 5000					2080				0.84		73.5		
OREAS 13b (4-Acid) Cert										8650.0 00					2247.0 000				0.86		75		
OREAS 13b (4-Acid) Meas										> 5000					2080				0.88		73.6		
OREAS 13b (4-Acid) Cert										8650.0 00					2247.0 000				0.86		75		
OREAS 904 (4 ACID) Meas		15.9	0.04	0.63	7.13	3.42	0.05		86	56	414	7.09	4.9		40.5		9.3		0.62	4.18	86.1		4.13
OREAS 904 (4 ACID) Cert		16.7	0.0340	0.556	6.30	3.31	0.0460		76.0	54.0	410	6.68	5.00		40.1		7.86		0.551	3.79	83.0		4.05
OREAS 904 (4 ACID) Meas		15.0	0.04	0.58	6.56	3.33	0.05		78	48	407	6.68	2.7		40.0		8.8		0.57	4.10	83.8		3.95
OREAS 904 (4 ACID) Cert		16.7	0.0340	0.556	6.30	3.31	0.0460		76.0	54.0	410	6.68	5.00		40.1		7.86		0.551	3.79	83.0		4.05
OREAS 904 (4 ACID) Meas		15.6	0.04	0.59	6.43	3.84	0.05		75	52	415	6.82	5.0		41.6		8.1		0.60	3.88	86.8		3.97
OREAS 904 (4 ACID) Cert		16.7	0.0340	0.556	6.30	3.31	0.0460		76.0	54.0	410	6.68	5.00		40.1		7.86		0.551	3.79	83.0		4.05
SBC-1 Meas		175							0.3	220	112			3.4	90.2	3.2	3.3	1.1		7.87	23.7	1.67	0.72
SBC-1 Cert		163							0.40	220.0	109			3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
SBC-1 Meas		161							0.3	228	103			3.4	85.0	3.0	3.1	1.2		7.84	22.5	1.51	0.68
SBC-1 Cert		163							0.40	220.0	109			3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
SBC-1 Meas		161							0.4	206	94			3.5	83.0	3.3	3.2	1.2		7.93	21.8	1.41	0.65
SBC-1 Cert		163							0.40	220.0	109			3.7	82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
OREAS 45d (4-Acid) Meas		20.2	0.09	0.20	7.55	0.44	0.19		181	538	475	13.8	3.8		232	1.2	0.7	0.5		3.85	29.0	0.58	0.36
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas		22.5	0.10	0.21	8.68	0.40	0.19		135	523	487	14.6	2.4		234	1.3	0.9	0.5		4.15	30.1	0.53	0.32
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas		21.5	0.09	0.20	8.07	0.42	0.18		197	495	493	14.5	4.4		234	1.3	0.7	0.5		3.97	29.5	0.52	0.31
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 220 (Fire Assay) Meas	857																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	868																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	872																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 96 (4 Acid) Meas																			11.8		49.6		26.9
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 96 (4 Acid) Meas																			10.7		48.6		27.6
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3



Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 96 (4 Acid) Meas																			10.3		49.1		27.4
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 923 (4 Acid) Meas		35.4	0.35	2.04	8.50	2.95	0.53	0.3	91	84	986	6.39	3.8		37.7	2.6	2.5	1.0	1.84	6.76	23.6	1.24	20.1
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 923 (4 Acid) Meas		28.6	0.33	1.69	7.58	2.44	0.47	0.4	90	77	952	6.50	3.7		37.2	2.5	2.4	1.0	2.03	7.37	24.0	1.20	19.5
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 923 (4 Acid) Meas		30.2	0.35	1.76	7.45	1.39	0.43	0.4	88	78	1050	6.89	3.8		37.5	2.6	2.4	1.0	1.66	7.00	23.0	1.13	24.2
OREAS 923 (4 Acid) Cert		31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42		35.8	2.86	2.42	0.960	1.60	6.70	23.1	1.37	21.4
OREAS 621 (4 Acid) Meas		14.9	1.40	0.41	6.83	2.13	1.94	278	32	27	506	3.51	4.7		26.0		1.8		68.9	3.16	30.3		3.80
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas		13.0	1.26	0.41	6.20	1.70	1.85	242	34	30	516	3.62	4.3		27.6		1.6		57.2	3.44	28.5		3.78
OREAS 621 (4 Acid) Cert		14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41		26.2		1.69		69.0	3.28	29.3		3.93
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 520 (4 Acid) Meas		16.9	1.31	1.18	5.21	3.43	3.96		238	41	2290	15.2	3.5		75.1	2.1	1.1	0.7	0.42	0.80	191	1.19	2.77
OREAS 520 (4 Acid) Cert		16.9	1.35	1.19	5.63	3.46	4.10		257	36.4	2420	16.4	3.53		76.0	2.21	1.06	0.760	0.450	0.800	203	1.29	2.94
OREAS 522 (4 Acid) Meas		16.2	0.62	1.18	3.99	2.79	3.79		169	39	4030	24.0	3.0		70.2	2.0	0.8	0.7	1.23	0.67	> 500	1.64	8.47
OREAS 522 (4 Acid) Cert		16.2	0.633	1.12	3.95	2.83	3.65		164	29.6	3970	24.6	2.96		70.0	1.97	0.700	0.660	1.31	0.640	550	1.88	8.72
OREAS 522 (4 Acid) Meas		15.1	0.60	1.04	3.60	2.78	3.58		162	43	3970	23.7	3.1		70.6	2.0	0.8	0.7	1.23	0.71	> 500	1.61	8.91
OREAS 522 (4 Acid) Cert		16.2	0.633	1.12	3.95	2.83	3.65		164	29.6	3970	24.6	2.96		70.0	1.97	0.700	0.660	1.31	0.640	550	1.88	8.72
Oreas 77b (4 Acid Digest) Meas		19.2	0.46	2.87	2.04	0.37	3.34	1.0	33	346	724	30.7	1.2		> 5000		0.5		1.59	2.47	> 500		3.28
Oreas 77b (4 Acid Digest) Cert		18.8	0.434	2.59	1.94	0.361	3.06	1.20	33.6	280	640	29.9	1.15		113000		0.470		1.62	2.32	1550		3.44
Oreas 77b (4 Acid Digest) Meas		17.1	0.38	2.23	1.53	0.33	2.84	1.1	27	240	649	29.2	1.2		> 5000		0.4		1.48	2.34	> 500		3.33
Oreas 77b (4 Acid Digest) Cert		18.8	0.434	2.59	1.94	0.361	3.06	1.20	33.6	280	640	29.9	1.15		113000		0.470		1.62	2.32	1550		3.44
OREAS 238 (Fire Assay) Meas	2890																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3050																						
OREAS 238 (Fire Assay) Cert	3030																						
A0935453 Orig																							
A0935453 Dup																							

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935457 Orig		27.3	1.32	1.48	8.48	1.97	2.09	0.1	113	105	738	4.92	3.3	50	73.2	1.5	1.6	0.5	0.33	4.12	25.9	0.98	0.31
A0935457 Dup		24.3	1.22	1.50	7.68	1.87	1.96	< 0.1	108	96	704	4.66	3.3	120	72.4	1.4	1.5	0.5	0.33	3.99	25.8	0.95	0.33
A0935460 Orig	12																						
A0935460 Dup	6																						
A0935464 Orig		25.9	2.00	1.59	8.32	2.86	2.23	< 0.1	108	90	763	4.53	3.2	30	62.8	1.4	1.4	0.5	0.24	3.78	22.3	0.90	0.20
A0935464 Dup		24.0	1.90	1.50	7.94	2.87	2.13	< 0.1	109	88	742	4.32	3.2	20	61.1	1.3	1.3	0.5	0.24	3.62	21.4	0.82	0.18
A0935469 Orig	71																						
A0935469 Dup	70																						
A0935477 Orig		28.0	2.16	1.44	7.99	2.82	2.01	0.1	95	58	631	4.06	3.1	30	55.4	1.2	1.8	0.5	0.15	5.54	19.5	0.80	0.26
A0935477 Dup		27.7	2.12	1.55	7.54	2.93	1.96	0.1	97	65	640	4.32	3.1	20	57.3	1.1	1.8	0.5	0.19	5.49	19.8	0.78	0.26
A0935480 Orig	26																						
A0935480 Dup	22																						
A0935495 Orig	< 5	17.2	> 3.00	0.88	8.02	1.52	3.08	< 0.1	62	30	466	2.44	1.8	30	10.7	0.6	1.0	0.3	0.10	1.78	8.9	0.47	< 0.02
A0935495 Dup	< 5	17.5	> 3.00	0.87	8.51	1.60	3.20	< 0.1	57	33	440	2.41	1.8	20	10.7	0.7	1.0	0.3	0.08	1.84	9.2	0.54	0.02
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	4	8	5	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	2	4	1	< 0.01	< 0.1	80	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	3	6	9	< 0.01	< 0.1	120	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	2	6	2	< 0.01	< 0.1	80	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	2	7	1	< 0.01	< 0.1	110	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	2	4	8	< 0.01	< 0.1	70	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-4 Meas																							
GXR-4 Cert																							
SDC-1 Meas		104	19.5	< 0.1	104		176	39	< 0.1			< 1	< 0.1		591	42.8	92.3		40.4	7.1	6.9	0.9	5.9
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas		99.3	17.5	< 0.1	120		159	46	9.3			2	0.3		594	39.0	87.3		38.1	7.0	7.1	1.1	6.1
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas		103	19.5	< 0.1	116		173	30	0.4			< 1	< 0.1		620	40.0	90.6		38.8	7.0	6.6	1.1	6.1
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas																							
GXR-6 Cert																							
Oreas 72a (4 Acid Digest) Meas				7.7																			
Oreas 72a (4 Acid Digest) Cert				14.7																			
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
OREAS 101b (4 Acid) Meas						131				20.1						745	1320	114	363	46.4	38.4	5.0	26.3
OREAS 101b (4 Acid) Cert						133				20.1						754	1325	127	388	48	40	5.4	27
OREAS 101b (4 Acid) Meas						133				20.0						729	1320	115	366	41.3	38.8	5.0	25.2
OREAS 101b (4 Acid) Cert						133				20.1						754	1325	127	388	48	40	5.4	27
OREAS 101b (4 Acid) Meas						123				20.6						723	1270	110	370	46.0	37.6	5.0	26.3
OREAS 101b (4 Acid) Cert						133				20.1						754	1325	127	388	48	40	5.4	27
OREAS 97 (4 Acid) Meas	75.4	650										102	7.0										
OREAS 97 (4 Acid) Cert	71.4	646										95.7	9.23										
OREAS 98 (4 Acid) Meas	152	1240										180	6.7										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
OREAS 98 (4 Acid) Meas	178	1460										> 200	10.6										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
OREAS 98 (4 Acid) Meas	158	1330										> 200	8.6										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
DNC-1a Meas		64.2	12.2		3.5	16.1	137	34	1.3				0.8		97	3.7			4.8				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas		71.3	14.1		3.5	17.0	148	40	1.5				0.9		103	3.6			4.7				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas																							
DNC-1a Cert																							
OREAS 13b (4-Acid) Meas		139		58.1						9.50													
OREAS 13b (4-Acid) Cert		133		57						9.0													



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 13b (4-Acid) Meas		134		53.3						10.0													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 13b (4-Acid) Meas		134		51.1						9.30													
OREAS 13b (4-Acid) Cert		133		57						9.0													
OREAS 904 (4 ACID) Meas	2.4	27.4	16.3	92.7	146	32.4	25.4	178		2.30	0.2	3	1.3		194	43.8	89.6					1.0	
OREAS 904 (4 ACID) Cert	3.30	26.3	16.7	98.0	130	31.5	27.2	171		2.12	0.220	2.83	1.48		194	43.2	86.0					1.00	
OREAS 904 (4 ACID) Meas	2.4	27.9	16.1	92.8	148	33.3	25.7	108		2.12	0.2	3	1.2		191	43.1	89.4					1.0	
OREAS 904 (4 ACID) Cert	3.30	26.3	16.7	98.0	130	31.5	27.2	171		2.12	0.220	2.83	1.48		194	43.2	86.0					1.00	
OREAS 904 (4 ACID) Meas	2.0	24.7	15.4	92.4	140	32.2	25.2	185		2.16	0.2	3	1.0		196	43.5	89.0					1.0	
OREAS 904 (4 ACID) Cert	3.30	26.3	16.7	98.0	130	31.5	27.2	171		2.12	0.220	2.83	1.48		194	43.2	86.0					1.00	
SBC-1 Meas		201	23.8	25.7	121	30.3	178	121	14.0	2.67		3	1.4		729	43.2	95.9	10.5	42.5	7.6	7.4	0.9	5.7
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas		197	21.7	25.7	115	28.5	171	121	15.4	2.18		3	1.0		746	39.7	90.9	10.0	41.1	7.4	7.4	1.1	6.1
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas		202	23.9	24.9	117	28.7	169	116	15.2	2.24		3	0.9		717	40.2	89.1	9.7	40.3	7.5	7.0	1.1	5.9
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	40.9	19.3	11.3	38.6	11.4	28.7	134	5.3	1.26	< 0.1	1	< 0.1	< 0.1		172	17.5	37.1	3.6	14.1	2.3	2.4	0.3	2.3
OREAS 45d (4-Acid) Cert	45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82	< 0.1		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas	49.7	20.8	9.4	42.7	11.5	29.4	91	1.5	0.47	< 0.1	< 1	< 0.1	< 0.1		177	16.5	38.3	3.6	14.3	2.5	2.6	0.4	2.5
OREAS 45d (4-Acid) Cert	45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82	< 0.1		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas	42.9	19.0	11.6	38.6	10.4	28.8	157	13.4	2.27	< 0.1	2	< 0.1	< 0.1		177	15.7	35.1	3.5	13.4	2.7	2.4	0.4	2.1
OREAS 45d (4-Acid) Cert	45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82	< 0.1		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	41.3	448										61	3.0										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 96 (4 Acid) Meas	40.3	469										59	3.8										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	
OREAS 96 (4 Acid) Meas	37.0	429										62	3.6											
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09											
OREAS 923 (4 Acid) Meas	6.0	346	18.0	5.3	165	28.0	39.8	130	12.8	0.99	0.5	13	1.1		425	44.4	86.0	9.2	35.4	6.2	5.8	0.8	4.8	
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05	
OREAS 923 (4 Acid) Meas	6.2	355	17.1	8.2	182	27.9	41.2	134	14.6	1.04	0.5	13	1.2		425	42.9	86.6	9.3	36.0	6.3	5.9	0.9	4.9	
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05	
OREAS 923 (4 Acid) Meas	5.9	347	18.3	5.4	127	26.8	42.2	138	14.5	0.98	0.6	14	1.2		367	42.0	88.0	9.2	35.8	5.2	5.7	0.9	4.7	
OREAS 923 (4 Acid) Cert	6.54	345	20.3	7.61	166	26.4	43.0	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05	
OREAS 621 (4 Acid) Meas	4.8	> 10000	23.2	70.9	78.4	13.2	62.3	174	8.5	13.5	1.6	5	69.1			19.4	47.9						0.4	
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6						0.460	
OREAS 621 (4 Acid) Meas	4.4	> 10000	23.1	66.2	74.3	11.2	67.5	168	8.9	13.6	1.8	5	85.7			19.5	46.6							0.5
OREAS 621 (4 Acid) Cert	5.64	52200	24.6	77.0	84.0	11.1	91.0	168	8.61	13.6	1.83	5.25	139			21.6	46.6							0.460
OREAS 621 (4 Acid) Meas																								
OREAS 621 (4 Acid) Cert																								
OREAS 520 (4 Acid) Meas	1.0	19.9	16.4	102	103	20.3	81.9	126	1.4	53.3	0.1	4	1.1	< 0.1		69.0	78.7	6.2	21.1	3.6	4.0	0.5	3.6	
OREAS 520 (4 Acid) Cert	1.76	22.7	18.7	153	111	20.8	104	134	5.68	65.0	0.110	4.76	3.21	0.360		85.0	86.0	6.69	22.1	4.02	4.08	0.640	3.66	
OREAS 522 (4 Acid) Meas	2.5	30.7	15.0	409	85.9	18.7	75.0	121	5.4	212	0.2	8	3.5	0.4		53.7	79.1	6.9	24.9	3.9	4.0	0.6	3.1	
OREAS 522 (4 Acid) Cert	2.74	30.2	16.0	490	82.0	18.5	199	112	5.66	206	0.230	9.32	7.93	1.14		171	148	9.76	27.2	4.17	3.87	0.590	3.24	
OREAS 522 (4 Acid) Meas	2.2	29.9	14.1	443	80.4	18.1	70.3	125	6.0	214	0.2	9	5.5	0.8		44.7	60.8	6.1	23.1	3.7	3.9	0.6	3.4	
OREAS 522 (4 Acid) Cert	2.74	30.2	16.0	490	82.0	18.5	199	112	5.66	206	0.230	9.32	7.93	1.14		171	148	9.76	27.2	4.17	3.87	0.590	3.24	
Oreas 77b (4 Acid Digest) Meas		237	4.2	1540	20.9	6.9	33.2	48	3.2		0.1	2	6.3	1.2	65	15.4	29.2							
Oreas 77b (4 Acid Digest) Cert		205	4.61	2050	19.1	6.55	34.4	37.9	3.26		0.112	1.59	9.100	1.35	118	15.8	27.7							
Oreas 77b (4 Acid Digest) Meas		197	3.9	1540	18.4	6.4	32.4	42	3.0		0.1	1	5.7	1.1	71	15.0	27.3							
Oreas 77b (4 Acid Digest) Cert		205	4.61	2050	19.1	6.55	34.4	37.9	3.26		0.112	1.59	9.100	1.35	118	15.8	27.7							
OREAS 238 (Fire Assay) Meas																								
OREAS 238 (Fire Assay) Cert																								
OREAS 238 (Fire Assay) Meas																								
OREAS 238 (Fire Assay) Cert																								
A0935453 Orig																								
A0935453 Dup																								

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A0935457 Orig	0.5	93.7	17.8	15.0	88.3	14.7	188	117	6.2	1.30	< 0.1	1	0.5	< 0.1	575	31.2	61.6	6.3	24.0	4.1	3.8	0.4	2.6
A0935457 Dup	0.3	94.6	18.1	12.5	82.6	14.4	186	118	5.9	1.40	< 0.1	1	0.7	< 0.1	522	29.8	60.3	6.1	23.1	4.1	3.3	0.4	2.6
A0935460 Orig																							
A0935460 Dup																							
A0935464 Orig	0.1	79.3	19.0	49.0	91.3	13.9	265	119	5.3	1.34	< 0.1	1	0.3	< 0.1	589	28.1	57.4	5.8	23.0	3.6	3.4	0.5	2.6
A0935464 Dup	0.1	76.8	17.8	48.8	87.5	13.1	252	114	6.1	1.30	< 0.1	1	0.4	< 0.1	582	27.1	53.9	5.6	21.9	3.4	3.2	0.5	2.3
A0935469 Orig																							
A0935469 Dup																							
A0935477 Orig	0.2	84.5	18.1	1.2	104	11.7	276	113	3.3	1.65	< 0.1	1	0.3	< 0.1	572	26.6	53.9	5.5	21.1	3.9	3.0	0.4	2.1
A0935477 Dup	0.2	86.7	18.0	0.8	106	11.7	283	112	5.6	1.67	< 0.1	1	0.2	< 0.1	595	26.0	53.6	5.2	20.1	3.7	2.9	0.4	2.0
A0935480 Orig																							
A0935480 Dup																							
A0935495 Orig	< 0.1	61.0	19.0	0.7	44.1	5.8	744	52	3.3	0.26	< 0.1	< 1	< 0.1	< 0.1	499	8.5	18.4	2.3	9.8	1.6	1.5	0.2	1.1
A0935495 Dup	< 0.1	61.0	18.8	0.8	46.9	7.0	763	51	2.1	0.17	< 0.1	< 1	< 0.1	< 0.1	508	10.3	22.4	2.7	11.6	2.1	1.8	0.3	1.3
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	0.3	< 0.2	0.6	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.18	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.2	0.5	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.06	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank	< 0.1	1.3	0.2	0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.09	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.2	0.5	0.2	0.2	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	0.9	0.2	0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.19	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	1.4	0.2	0.4	< 0.2	< 0.1	0.2	< 1	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-4 Meas											8			0.274	0.142	1.83
GXR-4 Cert											7.70			0.29	0.120	1.77
SDC-1 Meas	31.7		0.5	3.5		< 0.1	0.1		0.60	22.1	15	12.1	2.6	0.129	0.058	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
SDC-1 Meas	28.8		0.4	3.3		0.3	0.1		0.62	23.6	15	13.2	2.8	0.491	0.058	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
SDC-1 Meas	29.3		0.5	3.3		< 0.1	< 0.1		0.63	23.3	14	12.0	2.9	0.0861	0.052	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
GXR-6 Meas											28				0.035	0.02
GXR-6 Cert											27.6				0.0350	0.0160
Oreas 72a (4 Acid Digest) Meas	303															1.60
Oreas 72a (4 Acid Digest) Cert	316															1.74
Oreas 72a (4 Acid Digest) Meas																1.59
Oreas 72a (4 Acid Digest) Cert																1.74
OREAS 101b (4 Acid) Meas	431		1.9	13.8	1.7					24.0		42.0	394	0.349	0.110	
OREAS 101b (4 Acid) Cert	412		2.08	13.9	1.96					23		36.4	387	0.35		
OREAS 101b (4 Acid) Meas	425		1.9	13.6	1.6					22.8		40.8	384	0.367	0.111	
OREAS 101b (4 Acid) Cert	412		2.08	13.9	1.96					23		36.4	387	0.35		
OREAS 101b (4 Acid) Meas	419		2.2	14.0	1.7					22.3		37.8	384	0.351	0.110	
OREAS 101b (4 Acid) Cert	412		2.08	13.9	1.96					23		36.4	387	0.35		
OREAS 97 (4 Acid) Meas	> 10000									154						6.78
OREAS 97 (4 Acid) Cert	63100.00									147						6.07
OREAS 98 (4 Acid) Meas	> 10000									308						15.3
OREAS 98 (4 Acid) Cert	14800.0									345						15.5
OREAS 98 (4 Acid) Meas	> 10000									332						15.6
OREAS 98 (4 Acid) Cert	14800.0									345						15.5
OREAS 98 (4 Acid) Meas	> 10000									324						15.0
OREAS 98 (4 Acid) Cert	14800.0									345						15.5
DNC-1a Meas	92.3			2.0						5.9	29			0.261		
DNC-1a Cert	100			2.0						6.3	31			0.29		
DNC-1a Meas	106			2.0						7.3	28			0.274		
DNC-1a Cert	100			2.0						6.3	31			0.29		
DNC-1a Meas											29			0.277		
DNC-1a Cert											31			0.29		
OREAS 13b (4-Acid) Meas	2210															1.14
OREAS 13b (4-Acid) Cert	2327.000															1.2

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
OREAS 13b (4-Acid) Meas	2110															1.13
OREAS 13b (4-Acid) Cert	2327.0 000															1.2
OREAS 13b (4-Acid) Meas	2140															1.12
OREAS 13b (4-Acid) Cert	2327.0 000															1.2
OREAS 904 (4 ACID) Meas	6310	0.3		3.3	0.4	0.7	2.4		0.55	11.5	11	17.1	9.2		0.100	0.06
OREAS 904 (4 ACID) Cert	6120	0.180		3.14	0.470	0.540	2.12		0.520	10.6	11.2	14.3	8.43		0.0980	0.0630
OREAS 904 (4 ACID) Meas	6080	0.2		3.2	0.4	0.6	2.1		0.55	11.0	11	17.0	8.9		0.094	0.06
OREAS 904 (4 ACID) Cert	6120	0.180		3.14	0.470	0.540	2.12		0.520	10.6	11.2	14.3	8.43		0.0980	0.0630
OREAS 904 (4 ACID) Meas	5850	0.2		3.2	0.4	0.6	2.2		0.53	10.5	11	15.2	8.9		0.098	0.06
OREAS 904 (4 ACID) Cert	6120	0.180		3.14	0.470	0.540	2.12		0.520	10.6	11.2	14.3	8.43		0.0980	0.0630
SBC-1 Meas	33.6		0.4	3.4	0.4	1.0	1.7		0.89	34.5	21	13.2	5.2	0.476		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SBC-1 Meas	32.6		0.4	3.3	0.4	1.0	1.5		0.94	37.1	19	12.9	5.3	0.502		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SBC-1 Meas	31.0		0.5	3.2	0.4	1.0	1.6		0.90	34.2	19	11.6	4.8	0.505		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
OREAS 45d (4-Acid) Meas	349			1.4	0.2	0.3	0.2		0.26	20.3	55	15.6	2.8	0.273	0.038	0.05
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 45d (4-Acid) Meas	390			1.5	0.2	< 0.1	< 0.1		0.25	22.0	50	16.5	2.9	0.297	0.036	0.05
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 45d (4-Acid) Meas	375			1.5	0.2	0.9	1.1		0.25	22.4	52	14.6	2.8	0.801	0.039	0.05
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 96 (4 Acid) Meas	> 10000									94.4						4.32
OREAS 96 (4 Acid) Cert	39300									101						4.19
OREAS 96 (4 Acid) Meas	> 10000									98.2						4.17
OREAS 96 (4 Acid) Cert	39300									101						4.19



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
OREAS 96 (4 Acid) Meas	> 10000									95.9						4.01
OREAS 96 (4 Acid) Cert	39300									101						4.19
OREAS 923 (4 Acid) Meas	4300		0.4	2.7	0.3	0.9	4.7		0.86	82.9	13	17.3	3.1	0.395	0.065	0.71
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 923 (4 Acid) Meas	4180		0.3	2.7	0.3	1.1	5.2		0.89	87.3	13	19.2	3.2	0.405	0.062	0.67
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 923 (4 Acid) Meas	4390		0.4	2.7	0.4	1.1	5.0		0.90	87.3	12	17.1	3.2	0.397	0.060	0.66
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	4.85		0.860	83.0	13.1	16.5	3.06	0.405	0.0630	0.691
OREAS 621 (4 Acid) Meas	3460			1.1	0.1		2.3		1.97	> 5000	7	5.8	2.8	0.181	0.038	4.54
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 621 (4 Acid) Meas	3500			1.0	0.1		2.2		2.08	> 5000	6	7.2	2.8	0.182	0.034	4.38
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		2.35		1.96	13600	6.24	7.48	2.83	0.149	0.0359	4.48
OREAS 621 (4 Acid) Meas											3			0.178	0.032	4.20
OREAS 621 (4 Acid) Cert											6.24			0.149	0.0359	4.48
OREAS 520 (4 Acid) Meas	2620		0.3	2.2	0.3	< 0.1	6.1	0.033	0.27	5.7	17	8.0	17.8	0.387	0.070	0.90
OREAS 520 (4 Acid) Cert	2930		0.310	2.20	0.340	0.470	43.8	0.0310	0.260	5.85	17.0	9.62	17.9	0.445	0.0740	1.01
OREAS 522 (4 Acid) Meas	8350		0.3	2.0	0.3	0.4	109	0.064	0.28	9.8	10	3.1	42.0	0.349	0.080	2.33
OREAS 522 (4 Acid) Cert	9160		0.280	1.97	0.310	0.440	135	0.0980	0.290	12.5	10.9	7.53	42.2	0.344	0.0890	2.50
OREAS 522 (4 Acid) Meas	8320		0.3	2.0	0.3	0.4	132	0.100	0.29	9.9	10	2.9	44.6	0.362	0.080	2.32
OREAS 522 (4 Acid) Cert	9160		0.280	1.97	0.310	0.440	135	0.0980	0.290	12.5	10.9	7.53	42.2	0.344	0.0890	2.50
Oreas 77b (4 Acid Digest) Meas	3380					0.3	2.9	0.014	1.39	58.4	4	7.1	1.8	0.0630		
Oreas 77b (4 Acid Digest) Cert	3430					0.280	3.07	0.0220	1.37	61.0	3.51	6.61	1.71	0.0640		
Oreas 77b (4 Acid Digest) Meas	3020					0.2	2.8	0.022	1.42	57.7	4	6.3	1.8	0.0641		
Oreas 77b (4 Acid Digest) Cert	3430					0.280	3.07	0.0220	1.37	61.0	3.51	6.61	1.71	0.0640		
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
A0935453 Orig											12			0.339	0.062	0.30
A0935453 Dup											13			0.334	0.064	0.30



Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
A0935457 Orig	78.6	< 0.1	0.2	1.5	0.2	0.5	1.5	< 0.001	0.60	24.4	17	9.2	2.5	0.339	0.061	0.82
A0935457 Dup	79.6	< 0.1	0.2	1.5	0.2	0.5	1.6	0.001	0.60	24.5	17	8.6	2.3	0.341	0.061	0.81
A0935460 Orig																
A0935460 Dup																
A0935464 Orig	49.1	0.3	0.2	1.4	0.2	0.3	0.7	< 0.001	0.53	17.6	14	8.5	2.6	0.302	0.052	0.23
A0935464 Dup	45.9	0.1	0.2	1.4	0.2	0.5	1.3	< 0.001	0.50	16.4	15	7.9	2.5	0.333	0.055	0.23
A0935469 Orig																
A0935469 Dup																
A0935477 Orig	42.4	0.2	0.2	1.2	0.2	< 0.1	0.5	< 0.001	0.67	15.9	13	8.0	2.5	0.296	0.051	0.15
A0935477 Dup	42.3	0.2	0.2	1.2	0.2	0.3	0.9	< 0.001	0.69	16.1	12	7.7	2.5	0.304	0.052	0.14
A0935480 Orig																
A0935480 Dup																
A0935495 Orig	8.8	0.3	< 0.1	0.6	< 0.1	0.2	0.8	< 0.001	0.25	8.1	5	1.0	0.5	0.209	0.044	0.07
A0935495 Dup	8.5	0.4	0.1	0.7	< 0.1	0.1	0.5	< 0.001	0.24	8.1	4	1.4	0.5	0.167	0.041	0.07
Method Blank																
Method Blank																
Method Blank																
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	0.7	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	0.6	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	0.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank	0.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			0.0010	< 0.001	< 0.01

Invoice and supplier	Core Logging	Supervision	Mileage (assumes \$0.50 /km)	Accommodation	Meals	Drilling mob & demob	Drilling @ footage	Drilling misc & moves	Drilling supplies	Equipment rental	Misc supplies & serv	Core cutting	Analyses	TOTALS
Colin invoice B12-08	\$1,400		\$361	\$288	\$39									
Colin invoice B12-13	\$8,900		\$2,677	\$442										
Magnussen invoice 1						\$5,460	\$3,220	\$640	\$2,036					
Magnussen invoice 2							\$3,820	\$2,080	\$120					
Magnussen invoice 3							\$5,360	\$3,520	\$758					
Magnussen invoice 4							\$9,000	\$1,200	\$240					
Magnussen invoice 5						\$2,500	\$9,240	\$1,120	\$1,267					
D Kalik (in Magnussen invoices)										\$250				
Belham invoice						\$2,025								
G White	\$1,800		\$193	\$96	\$44									
DP Diamond Blades											\$1,286			
Danny Rivard (used blades)											\$250			
Russell K page 1		\$450	\$153											
Russell K page 2		\$900	\$333										\$1,426.30	
		\$500	\$184		\$18								\$1,342.80	
Russell K page 3 & 4		\$1,750	\$542		\$159								\$2,146.55	
Russell K page 5		\$0	\$0		\$0								\$2,358.75	
Russell K page 6		\$1,400	\$597		\$72								\$1,230.90	
Russell K page 7		\$700	\$210		\$44								\$4,399.21	
Sapawe Corner 1				\$500									\$650.10	
Sapawe Corner 2				\$750	\$45								\$4,152.01	
Sapawe Corner 3												\$858	\$2,741.55	
Sapawe Corner 4											\$750	\$1,602	\$1,785.00	
Sapawe Corner 5											\$200	\$720	\$1,297.20	
Sapawe Corner 6												\$1,464	\$2,629.65	
<b>TOTALS</b>	<b>\$12,100</b>	<b>\$5,700</b>	<b>\$5,250</b>	<b>\$2,076</b>	<b>\$421</b>	<b>\$9,985</b>	<b>\$30,640</b>	<b>\$8,560</b>	<b>\$4,421</b>	<b>\$250</b>	<b>\$2,486</b>	<b>\$4,644</b>	<b>\$26,160.02</b>	<b>\$112,693</b>
Less reported Work Report 1942	-\$1,050		-\$1,031	-\$288	-\$57	-\$5,665	-\$8,806							-\$16,897
Less reported Work Report 2057	-\$3,200	-\$1,750	-\$1,480	-\$384	-\$108	-\$2,560	-\$8,240	-\$2,825	-\$120	\$0	-\$1,010	-\$2,752	-\$4,915.00	-\$29,344
<b>TOTALS REMAINING</b>	<b>\$7,850</b>	<b>\$3,950</b>	<b>\$2,739</b>	<b>\$1,404</b>	<b>\$256</b>	<b>\$1,760</b>	<b>\$13,594</b>	<b>\$5,735</b>	<b>\$4,301</b>	<b>\$250</b>	<b>\$1,476</b>	<b>\$1,892</b>	<b>\$21,245</b>	<b>\$66,452</b>
	<b>\$11,800</b>		<b>\$2,739</b>	<b>\$1,660</b>		<b>\$1,760</b>	<b>\$23,630</b>			<b>\$1,726</b>		<b>\$1,892</b>	<b>\$21,245</b>	<b>\$66,452</b>
	<b>Supervision &amp; logging</b>	<b>mileage</b>		<b>Accom &amp; meals</b>		<b>Contractor</b>	<b>Direct drilling costs</b>			<b>Misc supplies &amp; services</b>		<b>Core cutting</b>	<b>Analysis</b>	
			<b>5478 km</b>				<b>680 feet @ \$34.75/foot</b>						<b>340 samples</b>	
													<b>@ \$62.58</b>	